



I

Undergraduate Research Week

APRIL 20-26, 2025

Welcome

2025 Undergraduate Research Week

Welcome to Undergraduate Research Week 2025 and its signature event, the 18th annual Undergraduate Research Symposium!

Each year, I look forward to this moment in the academic year. Our campus is awash in Spring blooms; students are studying, relaxing, and playing on the quad. There's a certain excitement in the air as Commencement is but a few short weeks away, and our campus community prepares to celebrate the hard work of our undergraduate researchers during Undergraduate Research Week (URW). This year the URW again achieves a new milestone with a record number of Symposium presentations and numbers of campus departments, units, and programs participating across the Week. We are also grateful for yet another banner year of student awards support from our colleges and research institutes, recognizing the best of student presentations.

Undergraduate research brings together the research and teaching mission of the University of Illinois. By engaging in the research process, our undergraduates develop both breadth and depth of disciplinary knowledge, deepen their understanding of the scholarly process, hone academic and personal skills that prepare them for their lives beyond graduation, and contribute to the Illinois research enterprise. This would not be possible without the continuing support of our faculty, staff, students, and community partners. The presentations you will find within this program reflect the caliber of our students, the range and diversity of academic disciplines across our campus, and the institutional support and commitment to undergraduate research as an important component of the Illinois experience. As is true of

the mentors who support them, our students and their research hold the potential to change the world for the better.

I am always thankful for the hard work of the Office of Undergraduate Research team, without whom the planning of such a large-scale event would be impossible: Dr. Chris Holmes, our Associate Director; Dr. Max Tetrick, our new Coordinator of Research Programs (welcome Max!); our Graduate Student Interns — Lisa Surber-Cunningham, a Ph.D. candidate in Evolution, Ecology & Behavior, and Paul Un, a Ph.D. student in Political Science; and our Social Media & Communications intern, Rhea Kumar, an undergraduate student majoring in Bioengineering. We have an incredible team, and their commitment to supporting undergraduate research is reflected in this URW program.

Last but hardly least, many thanks to the Office of the Provost and our Advisory Board for their ongoing support and counsel, and to our Undergraduate Research Ambassadors who continue to make their mark in supporting both their undergraduate colleagues and OUR programming and events.



Karen Rodriguez'G, Ph.D.
Director, Office of Undergraduate Research

The Office of Undergraduate Research



Christopher Holmes, Ph.D.
Associate Director



Max Tetrick, Ph.D.
Coordinator of Research Programs



Lisa Surber-Cunningham, M.S.
Programs Specialist



Paul Un, M.A.
Graduate Student Intern



Rhea Kumar
Social Media & Communications Intern

Sign up for the Office of Undergraduate Research e-newsletter to receive occasional emails about research programs, events, and opportunities.

Sign up at:
go.illinois.edu/subscribeOUR



Messages from Campus Leadership



John Coleman

Provost & Executive Vice
Chancellor for Academic Affairs

On behalf of the University of Illinois Urbana-Champaign, thank you and congratulations to the student researchers and supportive faculty and staff who make Undergraduate Research Week and Symposium such a success. We are grateful to the Office of Undergraduate Research for making this important opportunity available to our students.

As I think back to my own time as an undergraduate student, the opportunity to engage in research was a pivotal experience and I trust that our student researchers participating this year have likewise found their experience to be meaningful, challenging, and rewarding. When our students are able to learn and discover as partners with our world-class faculty in the research process, they deepen their curiosity and build their confidence. We know Illinois students are creative and driven, and I am proud of their efforts during this year's Undergraduate Research Week. I extend my gratitude to everyone who makes these opportunities possible.



Susan Martinis

Vice Chancellor for
Research & Innovation

Undergraduate student researchers are vital for the future of our institution — and — our planet! Indeed, their innovations are critical to solving the most vexing of challenges that face society.

We need their bright ideas, their creativity, and, most of all, their curiosity.

I am always energized and inspired when I engage with our student researchers, and I am grateful that they choose Illinois as a place to learn, grow, and dream about what is possible.



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Undergraduate Research Week Events

Research Workshops – Undergraduate Research Week Edition

All week

The Office of Undergraduate Research (OUR) regularly hosts workshops to support students in their undergraduate research journeys at the University of Illinois. As part of our celebration of Undergraduate Research Week, OUR will be conducting sections of our Getting Started in Undergraduate Research and Research to Resume workshops. In collaboration with the National and International Scholarships Program, we are also offering a workshop titled “Where Research Can Take You.”

Getting Started in Undergraduate Research Workshop

During this workshop, we will discuss the various forms of undergraduate research that take place on campus, guide students to develop a plan of action to locate research opportunities on campus, and discuss ways to contact faculty research mentors.

This workshop will take place on Monday, April 21, at 3:00 PM.

For workshop location and registration, please visit:
go.illinois.edu/OURWorkshops

Research to Resume Workshop

During this workshop, we will discuss strategies to successfully communicate research skills and experiences through job, graduate school, and internship application documents.

This workshop will take place on Tuesday, April 22, at 4:00 PM.

For workshop location and registration, please visit:
go.illinois.edu/OURWorkshops

Where Can Research Take You?

You are invited to hear from the [National and International Scholarships Program](#) (NIS) about opportunities to continue your research (and earn funding) or to utilize your research experience as a launching pad to other (funded) opportunities. NIS assists high-achieving students in figuring out their pathways to doing great things; many students find that a nationally competitive scholarship allows them to reach for their loftiest goals. This online, 30-minute power session is designed to help you explore scholarship options that will further support your work.

The session is open to undergraduates of all majors and will take place on Thursday, May 1, 11:00 AM – 11:30 PM.

Register at:
go.illinois.edu/WhereCanResearchTakeYou

Communication Research Showcase

Department of Communication

Wednesday, April 16, 4:30 PM – 5:30 PM

Lincoln Hall, Room 4103

702 S. Wright St., Urbana

Our accomplished undergraduate students are showcasing their communication research experiences and projects during the 2024-2025 academic year at our highly anticipated fifth annual research event. Made possible by the generous sponsorship of the Joe Wenzel Fund, this significant occasion is set to highlight the outstanding achievements and creative pursuits with their faculty and graduate student mentors in the form of a poster presentation. A reception with in-person presentations will kick off the event on Wednesday, and posters will remain on display until Friday for asynchronous interaction.

Examining Communal Coping Strategies Among Undergraduates With Long-Distance Relatives Experiencing Illness or the Challenges of Aging

Jeremy Carroll, Senior, Communication, LAS

Exploring Medical Mentorship: Understanding Relational Satisfaction Through Turning Points

William Monroe, Senior, Communication, LAS

From Risk to Resilience: Applying Protection Motivation Theory to Enhance Risk Communication for Floodplain Communities Along the Shunganunga Creek

Zoe Caryl, Senior, Atmospheric Sciences, LAS

Gateways to Violence: The Role of Gun Accessibility in Mass Shootings

Cara Shannon, Junior, Communication, LAS

Leyi Xu, Senior, Communication, LAS

Sitong He, Junior, Communication, LAS

Persuasive Strategies Used in Prescribed Weight Loss Medication Advertisements on Social Media

Allison Stortzum, Sophomore, Communication, LAS

Public Perception of Technology

Elizabeth Rodriguez, Junior, Communication, LAS

Recasting Credibility Work Using a Culture-Centered Approach: South Asian Women's Experiences Managing Chronic Health Issues

Ivon Guzaro Cruz, Sophomore, Communication, LAS

Women Athletes & The Role of Media on Gender Identity

Lori Hallford, Junior, Communication, LAS

Jasmine Baxter, Junior, Psychology & Sociology, LAS

ISUR Research Expo

The Grainger College of Engineering

Illinois Scholars Undergraduate Research Program

Tuesday, April 22, 4:00 – 6:00 PM

Illini Union, Rooms A, B, C, and South Lounge

1401 W. Green St., Urbana

The Grainger College of Engineering Illinois Scholars Undergraduate Research (ISUR) Program Research Expo showcases the various science and engineering projects our scholars and their mentors have been working on this year. ISUR is a two-semester, structured mentored research experience for undergraduate students in science and engineering. Through the learning-by-apprenticeship model, students learn about the research process, develop their research and technical communication skills, and gain experience needed for graduate school acceptance or research in industry.

Under the ISUR umbrella are the following programs: DaRin Butz Foundation Research Program (DRBF), and the Semiconductor Research Corporation Undergraduate Research Program (SRC URP).

This year, we also have presentations from students participating in other undergraduate research programs in Grainger Engineering: IBM-IL Discovery Accelerator Institute Undergraduate Research Experience (IIDAI URE), Illinois Materials Research Science and Engineering Center (I-MRSEC) REM, and CS Student Ambassadors/Research Scholars (CS STARS).

ISUR Scholars

Synthesizing an Anti-Cancer Microgel System: Leveraging Gelatin-Based Microgels as a Novel Drug Delivery Platform for Targeted Anti-Tumor Activity

Terence Amador, Senior, Chemical & Biomolecular Engineering, ENG

Wi-Fi Identity Leakage: Using 802.11 Information Elements for Device De-anonymization

Eduardo Aranda, Sophomore, Undeclared, DGS

Identification of a New — Radiation Hard — Cherenkov Radiator for the New Zero Degree Calorimeter for the ATLAS Experiment at CERN for the High-Luminosity LHC Era

Henry Bonzak, Junior, Physics, ENG

Python-Driven Tool Path Design for Free-Form Thermoset Printing

Rohil Bose, Sophomore, Mechanical Engineering, ENG

Exploring the Behavior of Cancer Stem Cell Populations Encapsulated Within Microgel Environments: A Comprehensive Characterization Study

Annika Carrillo Diaz De Leon, Senior, Bioengineering, ENG

Evaluating Morphological Differences in Immune-Cancer Cell Interactions

Stephanie Espino, Junior, Bioengineering, ENG

Plasma-Assisted Electrochemical Degradation of GenX

Piper Fernau, Junior, Nuclear, Plasma & Radiological Engineering, ENG

Modernizing Scanning Tunneling Microscopy (STM) With Raspberry Pi and Digital Signal Processing (DSP) for Optimized Design, Integration, and Real-Time Data Processing

Matilde Figueroa-Carrillo, Senior, Electrical & Computer Engineering, ENG

Understanding a Vascularization Timeline for the Development of an In Vitro Wound Model

Huamin Gao, Senior, Chemical & Biomolecular Engineering, ENG

Comparative Effects of Regular vs Charcoal Stripped FBS on Human Mesenchymal Stem Cell Growth and Differentiation

Delaney Marringa, Junior, Mechanical Engineering, ENG

Investigating the Impact of Comorbidities on Endometriosis Pathophysiology Using 2D and 3D In Vitro Models

Jennifer Martinez, Senior, Bioengineering, ENG

State Anxiety Detection and Monitoring Using Multimodal Wearables Sensors: Wear Study

Roshni Mathew, Junior, Electrical & Computer Engineering, ENG

Amanda Schultz, Junior, Mechanical Engineering, ENG

Purification of Molten Fluoride Salts Through Hydrofluorination & Electrodeposition

Joshua Miao, Junior, Materials Science & Engineering, ENG

Trophoblast Invasion: Using Tissue Engineering to Light Up the Black Box

Sia Mittal, Senior, Chemical & Biomolecular Engineering, ENG

Functionalizing Ovarian ECM for Development of Ovary-Specific GelMA Hydrogels

Rene Mohammadi, Senior, Mechanical Engineering, ENG

Tracking C2C12 Differentiation Stages Using Model-Based on FTIR Imaging Data

Varshini Muruges, Senior, Bioengineering, ENG

miRNA Quantification From Adipose Tissue From Obese Mice Models
Trisha Patnaik, Senior, Bioengineering, ENG

Extractive Summarization for Mathematical Reasoning
Vishesh Prasad, Senior, Computer Engineering, ENG

Crumpled MoS₂ FET Biosensor for Dopamine Detection
John Puthiaparambil, Junior, Electrical & Computer Engineering, ENG

Metamaterials for Ultra-Strong Coupling in Terahertz Spectroscopy
Samuel Rosner, Junior, Physics, ENG

On-The-Fly Mixing of Reactive Elements in 3D Printing of Thermoset Polymers
Krishna Sampat, Junior, Materials Science & Engineering, ENG

Mechanophore Activation in Lamellar Phase Separated Triblock Copolymer
Staci Strader, Senior, Materials Science & Engineering, ENG

Multiple-Nanowire Superconducting Quantum Interference Devices: Classification, Symmetries, and Vorticity Stability Regions
Cliff Sun, Sophomore, Physics, ENG

Phenotypic Influence on Tumor Metastasis and Clustering
Darian Tabrizi, Sophomore, Bioengineering, ENG

Tuning Microvasculature in Hydrogels for Improved In Vitro Modeling
Ryan Yao, Senior, Materials Science & Engineering, ENG

Engineered 2D and 3D Platforms for Liver Co-Culture
Katie Zobus, Junior, Bioengineering, ENG

DaRin Butz Foundation Research Scholars

Molecular Degradation and Characterization of Photo-Cured Polymer Networks
Elena Granzeier, Junior, Materials Science & Engineering, ENG

Synthesis Characterization and Properties of Steel-Copper Metallic Composites via Additive Manufacturing
Mia Mikolajczak, Junior, Materials Science & Engineering, ENG

Dendritic Spine and Protein Reconstruction to Study Synaptic Changes in Alzheimer's
Navya Nair, Sophomore, Physics, ENG

Optimizing a New Reaction Plane Detector for Advancing ATLAS Heavy Ion Physics Program in LHC Run 4
Nivedha Vasanth, Junior, Physics, ENG

Mobile Manipulation System for Last Mile Delivery
Gloria Wang, Junior, Computer Science, ENG

Semiconductor Research Corporation Undergraduate Research Program

Electron Optics in Electrostatically Doped Graphene p-n Junctions
Jaelynn-Darshawn Abdullah, Senior, Electrical & Computer Engineering, ENG

Building the Defect Model of Iron Doped Strontium Titanate for Photo-ionics
Julie Arias, Junior, Materials Science & Engineering, ENG

Sparse Cost Models: Transfer Learning With Intelligent Data Selection
Max Gendeh, Senior, Electrical & Computer Engineering, ENG

Electroplating Indium Deposition for Laser Devices Heat Dissipation
Andrew Jung, Junior, Electrical & Computer Engineering, ENG

LLM Applications in Aiding Verifiable High-Level Synthesis Design
Olivia Kapusniak, Sophomore, Electrical & Computer Engineering, ENG

Automated Data Mapping in Scalable Software Frameworks for Processing-Using-Memory Architectures
Nandini Rao, Sophomore, Electrical & Computer Engineering, ENG

Room Temperature VUV-Assisted Deposition of Dielectric Thin Films
Linus Ringstad, Junior, Nuclear Engineering & Physics, ENG

Integration of Research Solar Array With ECE Building Microgrid
Milosh Sasic, Senior, Electrical & Computer Engineering, ENG

Machine Learning Classification of Solar Panel Anomalies Through IoT-Based Data Collection
Rohan Shah, Sophomore, Electrical & Computer Engineering, ENG

Computing Lower Bounds of Matrix Multiplication Tensors
Christopher Suarez, Junior, Computer Science, ENG

Emission Enhancement With Cubic GaN/InGaN Light Emitting Diodes
Sarah Wilson, Junior, Electrical & Computer Engineering, ENG

IBM-Illinois Discovery Accelerator Institute URE Scholars

Autonomous Chemoenzymatic Robots With Large Language Models
Hrishita Baheti, Sophomore, Materials Science & Engineering, ENG
Preeti Kamma, Senior, Bioengineering, ENG

Leveraging Reinforcement Learning for Web Automation
Yuhao Cheng, Senior, Electrical & Computer Engineering, ENG
Tong Li, Senior, Electrical & Computer Engineering, ENG

Enhancing Side-Channel Defenses in AES-GCM Using High-Level Synthesis
Edward Dzieza, Junior, Electrical & Computer Engineering, ENG

Sound Code Generation by Combining Large Language Models and Formal Methods Such as Program Synthesis and Verification
David Fu, Senior, Computer Science, ENG
Aryan Gupta, Junior, Computer Science, ENG

Extraction and Fusion of Neural Representations From Existing Climate Models
Samuel Gerstein, Junior, Computer Science, ENG
Dhanish Natarajan, Sophomore, Statistics + Computer Science, ENG

NoC Simulator and Analysis of Scheduler Designs for AdaptNIC
Marissa Lanz, Senior, Electrical & Computer Engineering, ENG

Optimization of Machine Learning Applications With a Novel ML Compiler
Krish Patel, Senior, Electrical & Computer Engineering, ENG
Vishesh Prasad, Senior, Electrical & Computer Engineering, ENG

Multi-Spectrum Fusion of Foundation Models for Geospatial Data
Pranav Penmatcha, Junior, Computer Science, ENG
Davis Zhang, Senior, Computer Science, ENG

OpenRTLSet: A Fully Open-Source Dataset for Large Language Model-Based Verilog Module Design
Shalini Sivakumar, Senior, Computer Science, ENG
Xing Zhao, Senior, Computer Science, ENG

I-MRSEC REM

Electron Optics in Electrostatically Doped Graphene p-n Junctions
Jaelynn-Darshawn Abdullah, Senior, Electrical & Computer Engineering, ENG
Johan Martinez, Junior, Electrical & Computer Engineering, ENG

Gallium Nitride as a Replacement for Silicon in Microelectronics
Taly Escamilla, Senior, Mechanical Engineering, ENG

All-Armchair Graphene Nanoribbon FET: First Principles Approach
Tomas Jaramillo, Junior, Material Science & Engineering, ENG

CS Student Ambassadors/Research Scholars (CS STARS)

Analyzing the Impact of AI in Solving Computational Theory Homework Problems
Shyamala Vasireddy, Sophomore, Computer Science, ENG

Anomaly Detection in Wearable Data for Monitoring of Parkinson's Disease Using Machine Learning Approaches
Celina Anwar, Sophomore, Computer Science, ENG
Shivi Narang, Freshman, Computer Science + Bioengineering, ENG

Assessing Second-Chance Testing Policies: Implications for Performance and Study Behavior
Kajal Patel, Junior, Computer Science, ENG

Automatically Translating Programming Benchmarks With LLMs
Nancy Wang, Sophomore, Computer Science + Math, LAS
Sneh Saraff, Sophomore, Computer Science + Math, LAS

Building AI Chatbots for Assisting Supportive Responses to Suicidal Ideation on Online Communities
Maya Ajit, Sophomore, Computer Science, ENG
Sherry Gong, Sophomore, Computer Science, ENG

Community-Building Wall Displays in Makerspaces
Janine Leong, Sophomore, Computer Science + Economics, LAS
Mayumi Suzue-Pan, Freshman, Computer Science, ENG

Computational Insights Into Metabolomic and Metagenomic Data Using Graph Walks
Prisha Singh, Sophomore, Computer Science + Math, LAS

Computer Vision for Camouflaged Detection
Sana Naffakh, Junior, Computer Science, ENG

CoPR: Chain-of-Thought Perception Reasoning in Multimodal Large Language Models
Sofia Stoica, Freshman, Computer Science, ENG

Creating a Web Interface for the Collection and Editing of User Interaction Data
Savannah Lau, Sophomore, Computer Science, ENG

CS K12 Education Curricula Website
Isabella Marquez, Freshman, Computer Science, ENG

Data-Augmented Peer Evaluation
Linna Niu, Junior, Computer Science + Statistics, LAS

Detecting Programming Plans in Open-Ended Code Submissions
Claire Zheng, Sophomore, Computer Science, ENG

Enabling the Learning and Practice of Effective Teamwork Behaviors Using Cross-Tool Log Data
Ritika Vithani, Junior, Computer Science + Economics, LAS

Enhanced Visual Under-Canopy Robotic Navigation Using mmWave Radar
Natasha Bhatia, Freshman, Computer Science + Economics, LAS

Enhancing Large Language Models-Assisted Coding: The Impact of Prompt Engineering and Subgoal-Based Reasoning Training
Aditi Shukla, Sophomore, Computer Science + Economics, LAS

Evaluating Certainty and Correctness in Citances
Alice Fan, Freshman, Computer Science, ENG
Sundar Sneha, Sophomore, Computer Science + Statistics, LAS

Evaluating Demographic and Attitudinal Differences in Search Behavior
Helena Ilic, Sophomore, Computer Science, ENG

Evaluating Positive Friction in Conversational Agents
Nicole Hu, Sophomore, Computer Science + Economics, LAS
Sophie Lin, Freshman, Computer Science, ENG

Evaluating the Adherence to Deepfake Policies on Social Media Platforms Agents
Samika Karumuri, Freshman, Computer Science, ENG
Khushi Patel, Sophomore, Computer Science, ENG

Evaluating the Lexical Variation Focused Content Moderation Approach

Sriya Gottiparthi, Freshman, Computer Science + Philosophy, LAS
Eunice Mok, Sophomore, Computer Science, ENG

Examining Initial Motivation and Persistent for Non-CS Majors Taking CS Courses

Junmee Park, Sophomore, Computer Science + Education, EDU

Expert Definitions of Data Collection Consent

Sailaja Nallacheruvu, Senior, Computer Science, ENG

Exploring the Use and Impact of AI in Online Upper-Level Computer Science Courses

Aarthi Balaji, Senior, Computer Science, ENG

Improving Effective Learning in PrairieLearn

Samantha Sprague, Sophomore, Computer Science, ENG

Improving the Accessibility of Mathematical and Other STEM Content in Engineering Courses Through Machine Learning Models

Grace Sletten, Freshman, Computer Science, ENG
Sonika Tamilarasan, Sophomore, Computer Science + Economics, LAS

Improving User Experience of GitHub Repositories and DISCOVERY Clicker in University Classrooms

Michelle Ru, Junior, Computer Science + Chemistry, LAS
Louisa Zhang, Sophomore, Computer Science, ENG

Interactive Python Learning Tool

Yohali Bopeya, Freshman, Computer Science, ENG
Ila Petrovic, Sophomore, Computer Science + Math, LAS

Lecture Video Key Frame Identification

Enya Chen, Freshman, Computer Science + Linguistics, LAS
Ashley Li, Freshman, Computer Science + Linguistics, LAS
Charitha Nannapaneni, Sophomore, Computer Science + Statistics, LAS

Machine Learning for Human Pose Detection Using Apple IMU Sensors

Naina Singh, Sophomore, Computer Science + Statistics, LAS

Machine Learning on Graphs

Angelina Zhou, Freshman, Computer Science + Statistics, LAS

Machine Unlearning

Laasyasri Rangu, Sophomore, Computer Science, ENG

ML-Based Optimizations for Dynamic Memory Allocation on GPUs

Manvitha Veeramreddy, Junior, Computer Science, ENG

Optimizing Algorithms for Cancer Signal Detection in Large Genomic Datasets

Ranjana Rajagopalan, Sophomore, Computer Science, ENG
Vani Ramesh, Sophomore, Computer Science, ENG
Sahana Sankar, Freshman, Computer Science, ENG
Andrea Turek, Freshman, Computer Science, ENG

Packing Trees and Forests in Highly Connected Graphs

Annie Zeng, Junior, Computer Science + Math, LAS

Paper Models of List and ListNode Java Objects

Amy Wang, Junior, Computer Science, ENG

Performing Scene Reconstruction in the ILLIXR Testbed Using Open3D

Anhiti Mandal, Sophomore, Computer Science + Math, LAS
Yana Rudianyn, Sophomore, Computer Science, ENG

PLAID: Supporting Computing Instructors to Identify Domain-Specific Programming Plans at Scale

Yoshee Jain, Junior, Computer Science, ENG

POINT VR: Developing Visualizations for Gravity & General Relativity Simulations in Virtual Reality

Anisha Jog, Senior, Computer Science, ENG
Devanshi Sawhney, Sophomore, Computer Science, ENG

Policy-Rich Enforcement With Burst Controlled Phantom Queue Policers

Nikhita Punati, Junior, Computer Science, ENG

REBAR: Retrieval-Based Reconstruction for Time-Series Contrastive Learning

Pia Robinson, Freshman, Computer Science, ENG
Prisha Thoguluva, Sophomore, Computer Science, ENG
Alexia Rendon, Junior, Computer Science + Advertising, COM

Steering Knowledge Selection Behaviors in LLMs

Nishi Uppuluri, Junior, Computer Science + Linguistics, LAS

Tactical Provenance

Anushree Tibrewal, Senior, Computer Science, ENG

The Role of Social Barriers in Affecting High School Students' Motivations in CS

Skyla Jin, Freshman, Computer Science + Advertising, LAS

Using LLMs to Reduce Stigma Against Reproductive Wellbeing

Adya Daruka, Freshman, Computer Science, ENG
Ashley Hua, Sophomore, Computer Science + Math, LAS

Utilizing HAS RRT Algorithms in Binding Site Experiments

Hetvi Patel, Sophomore, Computer Science, ENG
Eleni Voudouri, Sophomore, Computer Science, ENG

Robot Action Demonstration in Extended Reality (RADER) Unity Package

Omosefe Edomwande, Freshman, Computer Science, ENG
Grace He, Junior, Computer Science + Advertising, COM

Visualizing Layer-Wise Attention Dynamics

Shreya Jangada, Sophomore, Computer Science, ENG
Tia Kashyap, Sophomore, Computer Science + Statistics, LAS

AHS Undergraduate Research Expo

College of Applied Health Sciences
Wednesday, April 23, 2:00 – 3:00 PM
Huff Hall, 1st Floor
1206 S. 4th St., Champaign

College of Applied Health Sciences students who will be presenting at the Undergraduate Research Symposium have the opportunity to present their research to AHS faculty, staff, and students. The day before the Symposium students will display their research posters in Huff Hall and share their work with others in AHS.

3rd Annual NCSA Student Research Conference

National Center for Supercomputing Applications
Wednesday, April 23, 2:00 – 6:30 PM
NCSA Building, Main Lobby
1205 W. Clark St., Urbana

This event showcases student research conducted at NCSA, and features oral presentations, a poster session, and an industry panel and corporate dinner. The event includes NCSA SPIN participants.

IGB Undergraduate Research Showcase

Carl R. Woese Institute for Genomic Biology
Wednesday, April 23, 3:00 – 5:00 PM
Carl R. Woese Institute for Genomic Biology, Room 612
1206 W. Gregory Dr., Urbana

The Undergraduate Research Showcase is a platform to share work completed by undergraduates working in IGB-affiliated laboratories. The event aims to host those currently involved and hoping to get involved with research, to build up undergraduate engagement in genomics research.

Cancer Center at Illinois UG Research Poster Session

Cancer Center at Illinois
Wednesday, April 23, 3:30 – 5:00 PM
Beckman Institute, Room 5602
405 N. Matthews Ave., Urbana

Undergraduates affiliated with the Cancer Center at Illinois will present posters showcasing the research to which they have contributed.

Sports Innovations at the University of Illinois Walking Tour

Illinois Distributed Museum, University of Illinois Archives
Thursday, April 24, 3:00 – 4:30 PM
Memorial Stadium
1402 S. 1st St., Champaign

Darren Zhu, a junior studying history, will give a walking tour around the University of Illinois campus for the Illinois Distributed Museum. His tour will focus on locations related to sports innovations. The tour will last about an hour and a half and start at Memorial Stadium on the west side (First Street side) and will end at Freer Hall.

Register at:
go.illinois.edu/SportsInnovations

(Registration is not required but if you have accommodation requests you can submit them through registration or email Kristen Wilson at klallen3@illinois.edu).

Parkland College Honors Symposium

Parkland College
Thursday, April 24, 11:00 AM – 1:00 PM
Parkland College, Room U-140
2400 W. Bradley Ave., Champaign

Parkland College students have participated in Undergraduate Research Week at the University of Illinois Urbana-Champaign since 2013, under the Ethnography of the University Initiative. This initiative has students use a variety of ethnographic, archival, and related methods to examine their home institutions. Starting in 2022, Parkland students doing course-embedded research continued this collaboration and participated in the symposium at their home institution hosted by Parkland's Honors Program. For the past two years, the Parkland Honors Symposium has also welcomed the participation of Psi Beta students, the Community College National Honors Society in Psychology.

Anthropology Ethnography of the University Student Presentations

The Effects of the Current Political Climate on LGBTQIA+ Students at Parkland

Violet Lewis, Parkland College

Immigration Resources at Parkland College

Naeshya Prabakar, Parkland College

Making My Way: Distance Commuted by Parkland Students

Amber Hafermann, Parkland College

The Struggles of First-Generation College Students at Parkland

Roselyn Cox Garcia, Parkland College

Under the Dome: The Parkland Planetarium

Sydney Beckman, Parkland College

Amari Blackwell, Parkland College

Andrew Clennon, Parkland College

Shelby Izard, Parkland College

Backpack Essentials: What Do Students Carry With Them?

Addisyn Wilson, Parkland College

Clarissa Dunahee, Parkland College

How Does Financial Aid Impact a Student's Investment in Their Education?

Adam Skousen, Parkland College

Lily Statler, Parkland College

Jq Manuel, Parkland College

How Interior Design Affects Life at Parkland

Lisette Gasser, Parkland College

Hannah Humphrey, Parkland College

Payton Mobile, Parkland College

Soren Schrag, Parkland College

Demographic Diversity at Parkland

Charlene Baylis, Parkland College

Harold Indra, Parkland College

Sarah Jacobson, Parkland College

Erica Dailey, Parkland College

Grayson Jagodzinski, Parkland College

Psi Beta Student Presentations

Schizophrenia vs. Television: How Does It Impact Those Affected?

Astor Hunt, Parkland College

Passion for Purple: Individual Differences in Strength of Color Preferences

Eleanor Klein, Parkland College

Impacts of Self-Diagnosing and the Role of Social Media

Sara Steffens, Parkland College

Self-Connection: What Is It and Why Does It Matter?

Iman Rainey, Parkland College

Presentations by Students Graduating with Honors

Adam Skousen, Parkland College

Sara Steffens, Parkland College

Thommy Thi, Parkland College

11th Annual Department of Economics Research Symposium

Department of Economics

Thursday, May 1, 4:00 – 5:30 PM

Zoom: go.illinois.edu/URWEconomics

The Department of Economics conducts an Economics Research Symposium every spring. They are a valuable experience for Economics students who want to present research they have been working on during the academic year. Research projects are from independent studies, research courses, or any class where the student worked on a project, paper, or research. Some of the research is in the proposal form or will be ongoing, while others are completed projects.

Celebration of Social Research Methods Colloquium

Department of Sociology

Wednesday, May 7, 11:00 – 11:50 AM

Literatures, Cultures & Linguistics Building, Atrium

707 S. Mathews Ave., Urbana

Students in SOC 380 - Social Research Methods will design, develop, and present a professional-quality research poster that showcases a mastery of social research methods. These presentations are the capstone of the course and will include either a) a detailed plan for data collection and analysis, or b) pilot data collected for the proposed study. The cohort will include 49 students.

Illinois Mathematics Lab Poster Session

Department of Mathematics

Thursday, May 8, 1:00 – 4:00 PM

Illini Union, Room 314B

1401 W. Green St., Urbana

The Illinois Mathematics Lab provides a framework for undergraduates to engage in mathematics research, visualization, and experimentation in small groups under the guidance of a faculty member and a graduate student. On May 8, students will present the results of their Spring 2025 work at our poster session. The public is welcome to drop in at any time 1 p.m. – 4 p.m.

The Asymptotics of Localizing Entanglement

Akanksha Chablani, Senior, Mathematics & Computer Science, ENG

Leo Lee, Junior, Mathematics & Computer Science, ENG

Hanyang Sha, Sophomore, Computer Engineering, ENG

Abbie Vaughan-Lee, Sophomore, Mathematics & Physics, LAS/ENG

ColorTaiko!

Arjun Chatterjee, Freshman, Business, BUS

Matthew Guerra, Sophomore, Computer Science, ENG

Christopher Monzon, Junior, Computer Science, ENG

Nick Wong, Senior, Statistics, LAS

Linda Yan, Senior, Statistics & Computer Science, ENG

Yixu Zheng, Junior, Mathematics, LAS

Developing Software to Find Arithmetic Progressions of Primes

Amy Bradu, Junior, Mathematics, LAS

Shubhankar Desai, Junior, Mathematics & Computer Science, ENG

Alexander Mok, Junior, Mathematics & Computer Science, ENG

Rafael Rojas, Junior, Mathematics, LAS

Steven Zhen, Sophomore, Mathematics, LAS

Exploring I-Functions of Calabi-Yau Manifolds

Sayed Ahmad Dastgheib, Sophomore, Physics, LAS, ENG

Mia Greer, Junior, Mathematics, LAS

Sean Lu, Senior, Mathematics & Computer Science, ENG

Andrew McQueen, Junior, Mathematics, LAS

Fibonacci Meets Cantor and Collatz

Carine Li, Senior, Accountancy, BUS

Amogh Suresh, Senior, Mathematics, LAS

Sylvia Xia, Junior, Mathematics, LAS

Historical Mathematical Models

Joules Apura, Sophomore, Mathematics, LAS
Dashiell Cloud, Junior, Physics, ENG
Dylan Jenks, Senior, Mathematics, LAS
Wentao Qi, Junior, Mathematics, LAS
Jadzia Taborski, Sophomore, Mathematics, LAS

The Mathematics of Poker-Like Games

Maanas Belambe, Junior, Statistics & Computer Science, ENG
Aryan Gupta, Engineering Mechanics & Statistics, ENG/LAS
Adam Raizer, Freshman, Mathematics, LAS
Mihir Tandon, Freshman, Computer Engineering, ENG

Mean Field Last Passage Percolation With Continuous Weights

Charles Cooper, Senior, Mathematics & Computer Science, ENG
Jules Goduco-Bunting, Senior, Mathematics, LAS
Jiya Patidar, Junior, Mathematics & Computer Science, ENG
Srujan Roplekar, Sophomore, Mathematics, LAS

PathForms: Path Transformations on Colored Graphs

Haochen Ding, Sophomore, Computer Engineering, ENG
Maxwell Liu, Junior, Mathematics & Computer Science, ENG
Diya Mathew, Freshman, Mathematics & Computer Science, ENG
Ruoqi Wang, Junior, Mathematics & Computer Science, ENG

Spatial Spreading of Altruism

Mira Ryu, Junior, Mathematics, LAS
Joseph Settelmyer, Junior, Mathematics, LAS
Prisha Singh, Sophomore, Mathematics, LAS
Yinbo Tang, Senior, Mathematics, LAS

Stochastic Process and Differential Equation Models for Cross-Scale Evolutionary Dynamics

Ali Alhaji, Junior, Mathematics, LAS
Tiger Gao, Junior, Mathematics & Computer Science, ENG
Yiming Gao, Senior, Mathematics, LAS
Ahaan Kanaujia, Senior, Mathematics & Computer Science, ENG
Mavin Khanday, Sophomore, Mathematics & Computer Science, ENG
Justin Lee, Senior, Mathematics & Computer Science, ENG
Jonas Liang, Junior, Mathematics, LAS
Jiaqi Tang, Sophomore, Mathematics, LAS
Xiangyu Tan, Junior, Mathematics, LAS
Yichen Zhou, Junior, Statistics, LAS

Visualizing Spaces of Curves in 3-manifolds

Amarisa Chalermwatananon, Sophomore, Mathematics, LAS
Cathy Guo, Junior, Mathematics, LAS
Gabe Lewis, Senior, Mathematics, LAS
Tyler Wang, Junior, Mathematics, LAS

Voting Paradoxes in the Real World

Will Lande, Sophomore, Econometrics & Quantitative Economics, LAS
Ayush Shastry, Junior, Statistics, LAS

Psychology Honors Poster Fair

Department of Psychology
Thursday, May 8, 3:00 – 5:00 PM
Psychology Atrium, Room 1005
603 E. Daniel St., Champaign

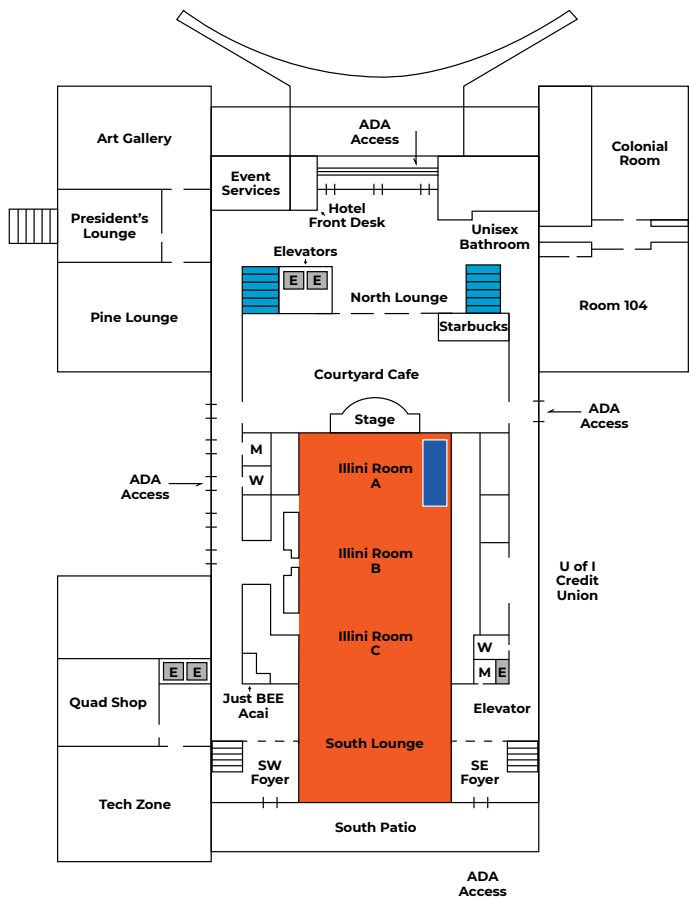
Students from the Psychology Honors Program and the Capstone Undergraduate Research Program will present posters describing the research that formed the basis of their Bachelor's thesis. This thesis, which is the culmination of at least two semesters spent working with a faculty advisor on a research project, is submitted to the department for consideration of graduation with distinction.

2025 Undergraduate Research Symposium

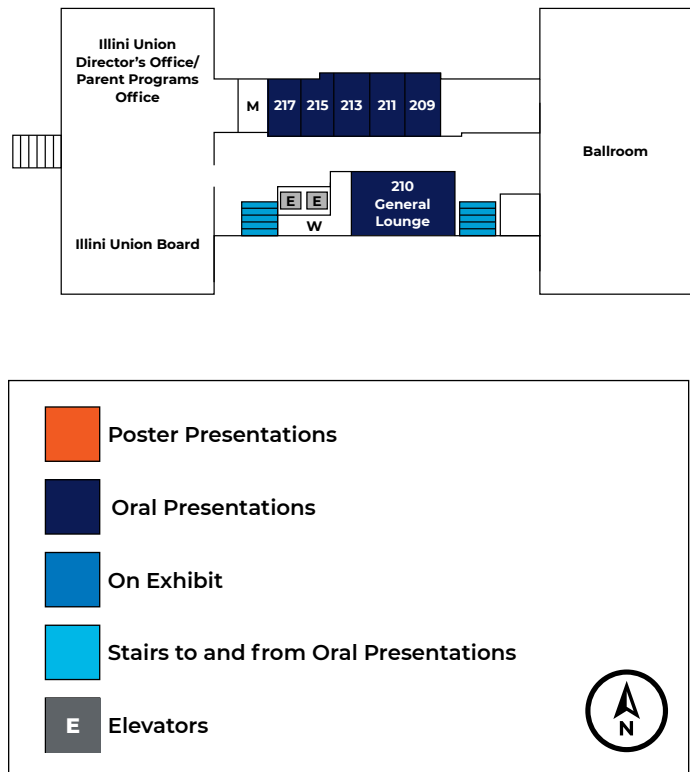
April 24, 2025
9:00 AM – 5:00 PM
Illini Union, 1401 W. Green St., Urbana
Posters in Illini Rooms, A, B, C & South Lounge
Oral Presentations on 2nd Floor

Event Map

Illini Union Main Level



Illini Union Second Level



On Exhibit

Innovation, Technology, and Society

10:45 AM – 12:00 PM, Illini Room B

OE-1. *Advancements in Real-Time Captioning for Engineering Education: ScribeAR*

Himnish Jain, Junior, Computer Science, ENG

Yifan Zhu, Junior, Mathematics + CS, LAS

(Research Mentor(s): Lawrence Angrave, Computer Science & Colin Lualdi, Physics)

OE-2. *Classifying Mental States Using Neural Oscillations Data From EEG*

Sally Kim, Sophomore, Neural Engineering, ENG

Mark Dai, Freshman, Neural Engineering, ENG

Tanisha Kholiya, Freshman, Computer Science + Bioengineering, ENG

(Research Mentor(s): Jenny Amos, Bioengineering)

OE-3. *Implementation of a Polarimeter and Photodiode for Quantum Networks*

Donggeon Park, Senior, Engineering Physics, ENG

(Research Mentor(s): Virginia Lorenz, Physics & Jaehoon Choi, Electrical & Computer Engineering)

OE-4. *Mutual Aid: An Image of the City*

Felicity Daleccio, Junior, Urban Studies & Planning, FAA

(Research Mentor(s): Faranak Miraftab, Urban & Regional Planning & Marwah Maqpool Malik, Urban & Regional Planning)

OE-5. *Our World, Captioned: Empowering Accessibility With Low-Cost Devices and Custom Speech Models*

Himnish Jain, Senior, Computer Science, ENG

Eisha Peyyeti, Senior, Computer Science, ENG

(Research Mentor(s): Lawrence Angrave, Computer Science & Colin Lualdi, Physics)

OE-6. *Development of Auxetic-Based Artificial Muscles for Wearable Rehabilitation Devices Using Soft Robotics*

Jacen Wong, Senior, Chemistry, LAS

Aryan Chandra, Sophomore, Bioengineering, ENG

Shashwath Thiagarajan, Sophomore, Mechanical Engineering, ENG

Jack Dohrn, Sophomore, Neural Engineering, ENG

Bernie Dohrn, Sophomore, Neural Engineering, ENG

(Research Mentor(s): Holly Golecki, Bioengineering)

Oral Presentations

Cells & Molecules I

9:00 – 10:15 AM, Room 209

Augmenting Language Models to Capture Peptide-Protein Interaction

Joseph Clark, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Diwakar Shukla, Chemical & Biomolecular Engineering)

Decoding Epistatic Interactions in Proteins via Attention Map Analysis of Language Models

Jinxi Xia, Junior, Mathematics, LAS

(Research Mentor(s): Huimin Zhao, Chemical & Biomolecular Engineering & Saman Shafaei, Chemical & Biomolecular Engineering)

Epistasis Constrains Evolution in Human H1N1 Influenza A Virus Neuraminidase

Lucia Rodriguez, Senior, Chemistry, LAS

(Research Mentor(s): Nicholas Wu, Biochemistry & Ruipeng Lei, Biochemistry)

Quantifying Oligomerization States of Optogenetic Proteins VfaUOV and AtCRY2 Within Cells

Yushan Li, Junior, Molecular & Cellular Biology, LAS

(Research Mentor(s): Kai Zhang, Biochemistry & Tyler Camp, Biochemistry)

Education & Learning

9:00 – 10:15 AM, Room 210

Factors That Contribute to Student Perception of Tutor Authority

Emily Kennedy, Sophomore, Geography & Geographic Information Science, LAS

(Research Mentor(s): Carolyn Wisniewski, Center for Writing Studies)

Opening Minds: Education for Global Competency as a Key to Creativity

Lu Xian Xin, Junior, English Education, University of Macau

Grace Williamson, Sophomore, History, LAS

Weng Chin Chan, Junior, English Education, University of Macau

(Research Mentor(s): Allison Witt, Education Policy, Organization & Leadership)

Understanding Through Touch: A New Form of Communication

Abecha Fajar, Senior, School of Information Sciences, SIS

(Research Mentor(s): Deana McDonagh, Beckman Institute & Nick Bonanno, Illinois Leadership Center)

What Keeps Students From the Writing Centers

Graciela Best, Sophomore, History, LAS

(Research Mentor(s): Carolyn Wisniewski, Center for Writing Studies)

Health Modalities

9:00 – 10:15 AM, Room 211

Changes in Global Cognition During a Latin Dance and MIND Diet Intervention

Ximena Salazar, Senior, Interdisciplinary Health Sciences, AHS

(Research Mentor(s): Susan Aguiñaga, Health & Kinesiology & Diana Morales, Health & Kinesiology)

Cognitive Decline Mediates the Association Between Vision Impairment and Depression
Angela Jiang, Senior, Integrative Biology, LAS
(Research Mentor(s): Chung-Yi Chiu, Health & Kinesiology & Huaijin Xu, Health & Kinesiology)

Evaluating the Persuasiveness of LLM-based Chatbots in Health Communication
Atharva Sindwani, Sophomore, Computer Science & Advertising, COM
(Research Mentor(s): Leona Su, Advertising)

Leveraging Advanced Quantitative Imaging to Foster Women's Health Across the Lifespan
Mariam Vaid, Sophomore, Integrative Biology, LAS
(Research Mentor(s): Josh Leonardis, Health & Kinesiology)

Plants & Animals

9:00 – 10:15 AM, Room 213

*Analyzing Behavioral Differences Between Tame and Aggressive Silver Fox Kits (*Vulpes vulpes*) Relating to the Nest Box*
Selena Ding, Senior, Animal Sciences, ACES
(Research Mentor(s): Samantha Beckfield, Animal Sciences & Anna Kukekova, Animal Sciences)

*Examining Validity of Plant-stress Hypothesis in Tomato (*Solanum lycopersicum*) Withstanding Flooding Stress*
Michael Somerville, Senior, Integrative Biology, LAS
(Research Mentor(s): Esther Ngumbi, Entomology)

*The Effect of Noise Pollution on *Daphnia dentifera**
Sai Akshita Bhattiprolu, Senior, Integrative Biology, LAS
(Research Mentor(s): Carla Cáceres, Evolution, Ecology & Behavior & Molly Fredericks, Evolution, Ecology & Behavior)

The Evolution of Circadian Rhythm in Antarctic Notothenioids
Eliana Eng, Senior, Integrative Biology, LAS
(Research Mentor(s): Christina Cheng-De Vries, Evolution, Ecology & Behavior)

Social Issues & Policy I

9:00 – 10:15 AM, Room 215

Indifference, Inclusion, or Irresponsibility? Exploring the Dynamic Between European Union States and Refugees Through the Spanish Lens
Caroline Munkhdelger, Senior, Global Studies, LAS
(Research Mentor(s): Brian Dill, Sociology & Rana Khoury, Political Science)

Recognizing Interest Groups in News Articles About Emissions Rules
Xiaoran Zhou, Senior, School of Information Sciences, SIS
(Research Mentor(s): Heng Zheng, School of Information Sciences & Jodi Schneider, School of Information Sciences)

Understanding the Role of Social Capital in Greek Wildfire Adaptation
Linnea Turner, Senior, Natural Resources & Environmental Sciences, ACES
(Research Mentor(s): Chloe Wardropper, Natural Resources & Environmental Sciences)

Watergate Constitutional? An Evaluation of Nixon's Domestic Policy Ranking
Hezhen Qu, Freshman, Public Policy & Law, ACES
(Research Mentor(s): Jonathan Coppess, Agriculture & Consumer Economics & Isaac DiIanni, Economics)

Youth Health & Wellness

9:00 – 10:15 AM, Room 217

Exploring the Impacts of High School-Sanctioned Adaptive Sports on Adolescents With Physical Disabilities: Parent and Stakeholder Perspectives
Martha Szczepanski, Junior, Kinesiology, AHS
(Research Mentor(s): Jenna Fesemyer, Recreation & Tourism)

How a Mindful Intervention Impacts Preschool Expulsion Risk and Teacher-Student Relationships
Sufiya Shazia, Senior, Psychology, LAS
(Research Mentor(s): Jacinda Dariotis, Human Development & Family Studies)

Introduction of a Unified Model in Youth Physical Activity
Jonathan Weldy, Senior, Kinesiology, AHS
(Research Mentor(s): Tanner Wheat, Health & Kinesiology & Kevin Richards, Health & Kinesiology)

The Moderating Effect of Social Competence on the Association Between Adverse Childhood Experiences (ACEs) and Negative Mental Health Outcomes in Adolescents
Anya Altangerel, Junior, Psychology, LAS
(Research Mentor(s): Jacinda Dariotis, Human Development & Family Studies & Rachel Jackson, Human Development & Family Studies)

Artificial Intelligence & Machine Learning

10:45 AM – 12:00 PM, Room 209

A Review of Generative Design and its Industrial Applications
Elliot Finn, Junior, Systems Engineering & Design, ENG
(Research Mentor(s): Molly Goldstein, Industrial & Enterprise Systems Engineering)

Decoding Music Perception From EEG: A Modern Deep Learning Approach
Siddharth Gurumurthi, Junior, Computer Engineering, ENG
Kedar Manda, Junior, Computer Science + Philosophy, LAS
Tanisha Mandal, Freshman, Neural Engineering, ENG
Parthiv Adimulam, Sophomore, Computer Engineering, ENG
Samuel Kim, Sophomore, Neural Engineering, ENG
(Research Mentor(s): Eric Modesitt, Beckman Institute)

Efficient Utility-Preserving Machine Unlearning With Implicit Gradient Surgery

Tianbai Yu, Sophomore, Statistics, LAS

(Research Mentor(s): Shiji Zhou, Tsinghua University & Han Zhao, Electrical & Computer Engineering)

Handling Scene Detection of Lecture Videos With Annotations

Ashley Li, Freshman, CS + Linguistics, LAS

Enya Chen, Freshman, Computer Science + Linguistics, LAS

Charitha Nannapaneni, Freshman, CS + Linguistics, LAS

(Research Mentor(s): Lawrence Angrave, Siebel School of Computing & Data Science)

Health & Wellness I

10:45 AM – 12:00 PM, Room 210

Effect of Inflammation on Vitamin A and Carotenoid Status

Michael Pitello, Sophomore, Nutrition & Health, ACES

(Research Mentor(s): Jaume Amengual, Food Science & Human Nutrition & Donald Chaves, Food Science & Human Nutrition)

Ergonomic Impact of Chair Recline on Neck Pain, Shoulder Kinematics, and Headache Severity in Females

Inna Chong, Senior, Kinesiology, AHS

Savanna Rudy, Senior, Kinesiology, AHS

(Research Mentor(s): Whitney Wolff, Health & Kinesiology & Josh Leonardis, Health & Kinesiology)

Examining the Effects of a MIND Diet on Cognitive Function: A Randomized Controlled Trial

Vanessa Camp, Senior, Molecular & Cellular Biology, LAS

Lily Barthel, Junior, Interdisciplinary Health Sciences, AHS

(Research Mentor(s): Tori Holthaus, Nutritional Sciences)



The Association Between Shoulder Pain Level and the Rotator Cuff Tendon Thickness of Manual Wheelchair Users

Fangyu Cao, Sophomore, Dance, FAA

(Research Mentor(s): Matthew Hanks, Health & Kinesiology & Dustin Tran, Health & Kinesiology)

Numbers & Computation

10:45 AM – 12:00 PM, Room 211

Differential Equation Models for Cross-Scale Evolutionary Dynamics

Junhang Liang, Junior, Statistics, LAS

Jiaqi Tang, Sophomore, Engineering Physics, ENG

(Research Mentor(s): Daniel Cooney, Mathematics)

Improving Primitive Variable Recovery in Neutron Star Simulations Using the Einstein Toolkit

Dhruv Srivastava, Junior, Physics, ENG

(Research Mentor(s): Roland Haas, National Center for Supercomputing Applications)

Review and Revamp of Compositional Data Transformation: A New Framework Combining Proportion Conversion and Contrast Transformation

Yiqian Zhang, Senior, Statistics, LAS

(Research Mentor(s): Liangliang Zhang, Case Western Reserve University)

The Evans Function as a Bound on Spectral Distance

George Bayliss, Sophomore, Physics, ENG

(Research Mentor(s): Jared Bronski, Mathematics)

Science & Technology

10:45 AM – 12:00 PM, Room 213

Active Learning for Sets of Complementary Chemical Reaction Conditions

Sofia Sivilotti, Senior, CS + Chemistry, LAS

(Research Mentor(s): Nick Jackson, Chemistry & David Friday, Chemistry)

Efficiency Droop Contributors in Indium Gallium Nitride Green Light-Emitting Diodes

Jason Li, Junior, Physics, ENG

(Research Mentor(s): Can Bayram, Electrical & Computer Engineering)

Generating Single Hotspots in HMX-Based Plastic-Bonded Explosives Under Shock Compression

Ryan Eisenstadt, Junior, Physics, ENG

(Research Mentor(s): Dana Dlott, Chemistry)

Investigating Nitrocellulose Reaction Dynamics Under Shock Compression

Tylor Takahashi, Junior, Chemistry, LAS

(Research Mentor(s): Dana Dlott, Chemistry & Dhana Sellan, Chemistry)

Social Issues & Policy II

10:45 AM – 12:00 PM, Room 215

An Exploratory Spatial Data Analysis on How Rurality Shapes Park Access for Youth

Kevin Dai, Freshman, Electrical Engineering, ENG
(Research Mentor(s): Benjamin Campbell, Health & Kinesiology)

Challenges and Perceptions of Nepal's Childcare Institutions: Care Practices and the Implementation of Government Policies

Srijana Sapkota, Senior, Global Studies, LAS
(Research Mentor(s): Valeria Bonatti, Global Studies & Judith Havlicek, Social Work)

Parent-Led Fundraising Organizations' Impact on Chicago Public Elementary Schools

Lucille Owen, Sophomore, Learning & Education Studies, EDU
(Research Mentor(s): Paul Bruno, Education Policy, Organization & Leadership)

Poor Decision-Making or Cognitive Overload? Exploring Cognitive Load as a Mediating Factor Between Poverty and Child Maltreatment

Maddie Brown, Senior, Social Work, SSW
Ethan Kye, Senior, Social Work, SSW
(Research Mentor(s): Alexis Krones, Social Work & William Schneider, Social Work)

Cells & Molecules II

12:15 – 1:30 PM, Room 209

Gene Regulatory Mechanisms of Neuronal Specification in Drosophila Optic Lobe Medulla

Joseph Thalackan, Junior, Neuroscience, LAS
(Research Mentor(s): Xin Li, Cell & Developmental Biology & Tejus Sreelal, Cell & Developmental Biology)

Nematode Nutrition: The Effects of Supplemental Glycine on Caenorhabditis elegans Lifespan

Robert Houston, Sophomore, Integrative Biology, LAS
(Research Mentor(s): Rose Marks, Plant Biology)

The Role of Nedd4-2 Mutations in Tubulin Effectiveness in Periventricular Nodular Heterotopia (PVNH)

Sophia Azim, Senior, Brain & Cognitive Science, LAS
(Research Mentor(s): Nien-Pei Tsai, Molecular & Integrative Physiology & Yingxin Wang, Molecular & Integrative Physiology)

The Role of VacA in Helicobacter pylori Pathogenesis: Understanding VacA's Host Cell Surface Interactions

Ivilyn Tan, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Steven Blanke, Microbiology & Megan Ringling, Microbiology)

Data & Information

12:15 – 1:30 PM, Room 210

A Local Pressure Diffusion Model for Influence Maximization in Social Networks

Curt Stutsman, Senior, Computer Engineering, ENG
(Research Mentor(s): Abhishek Umrawal, Electrical & Computer Engineering)

Analyzing the Consistency of Retraction Phrases Among Different Journals in Crossref Data

Luyang Si, Senior, School of Information Sciences + Data Science, SIS
(Research Mentor(s): Jodi Schneider, School of Information Sciences & Malik Salami, School of Information Sciences)

Estimating Causal Effect of Cover Crop Implementation on Crop Yield Using an Instrumental Variable

William Wang, Senior, Statistics, LAS
Zitao Zhang, Junior, Computer Science + Statistics, LAS
(Research Mentor(s): Chan Park, Statistics)

Exploring Chess Players' Responses to Success and Failure via Machine Learning

Raphael Chen, Freshman, Information Sciences + Data Science, SIS
(Research Mentor(s): Nigel Bosch, School of Information Sciences)

Media & Culture

12:15 – 1:30 PM, Room 211

"Llena Eres de Gracia": The Dichotomy Between Virginity and Pleasure

Emma Ortega, Senior, English, LAS
(Research Mentor(s): Charlesia McKinney, English)

Exploring Japanese Boys' Love Media at UI-CON 2025

Megan Tafalla, Senior, English, LAS
(Research Mentor(s): Lindsey Stirek, Art & Design)

The Interstates Project: The American Mirage, Our Nation's Mother Road, and the Death of the American Highway

William Hohe, Senior, Photography, FAA
Charlotte Watson, Senior, Graphic Design, FAA
(Research Mentor(s): Melissa Pokorny, Art & Design & Luke Batten, Art & Design & Jena Marble, Graphic Design)

Uman Tok: Tailoring Hope, Renewing Futures in Sierra Leone

Nathan Gonzales, Sophomore, Journalism, COM
Elena Cleary, Senior, Agricultural Communications, ACES
Nour Longi, Senior, Journalism, COM
Piper Pascarella, Junior, Journalism, COM
Faith Lee, Senior, Journalism, COM
Maggie Knutte, Senior, Journalism, COM
(Research Mentor(s): Charles 'Stretch' Ledford, Journalism & Alison Davis, Journalism)

Nature & Environment

12:15 – 1:30 PM, Room 213

A Morphological Analysis of Terrestrial Arthropod Coprolites From Pennsylvanian Coal Balls of the Illinois Basin

Sarah Johnson, Senior, Integrative Biology, LAS
(Research Mentor(s): Scott Lakeram, Plant Biology & Surangi Punyasena, Plant Biology)

A Study on Biophilia and How to Measure It in Architecture

Sasha Reese, Junior, Architectural Studies, FAA
(Research Mentor(s): Julie Zook, Architecture)

Deep Learning Approach to Monitoring Freshwater Aquatic Wildlife
Noel Dunning, Senior, CS + Animal Sciences, ACES
 (Research Mentor(s): Isabella Condotta, Animal Sciences)

Nature's Engineering: How Veins Organization Influences the Strength and Flexibility of a Dragonfly Wing
Tymoteusz Kavu, Senior, Aerospace Engineering, ENG
 (Research Mentor(s): Siti Fauziyah, Entomology & Marianne Alleyne, Entomology)

Social Science & Human Behavior

12:15 – 1:30 PM, Room 215

From Risk to Resilience: Applying Protection Motivation Theory to Enhance Risk Communication for Floodplain Communities Along the Shunganunga Creek
Zoe Caryl, Senior, Atmospheric Sciences, LAS
 (Research Mentor(s): Joseph Trujillo-Falcón, Climate, Meteorology & Atmospheric Sciences & Kelvin Droegemeier, Climate, Meteorology & Atmospheric Sciences)

Meta-Analysis on the Association Between Depression and Intimate Power Dynamics
Ella Schuch, Senior, Psychology, LAS
 (Research Mentor(s): Brian Ogolsky, Human Development & Family Studies & Eleanor Junkins, Human Development & Family Studies)

Parenting and Psychopathology in Hispanic/Latinx Families: Exploring Differences Between U.S.-Born and Immigrant Parents
Flor Quiroz, Senior, Psychology, LAS
 (Research Mentor(s): Violeta Rodriguez, Psychology)

On the Path to Political Unity: Governance and Religious Diversity in Plato, Al-Farabi, and Kant
Alunood Aldhawi, Senior, Philosophy, LAS
 (Research Mentor(s): Helga Varden, Philosophy & Jochen Bojanowski, Philosophy)

Health & Wellness II

2:00 – 3:15 PM, Room 209

Adequate and Proper Nutrition for the Children: The First Solid Foundation for a Healthy Future - What Do Parents Need to Do?
Anh Hao Bui, Sophomore, Community Health, AHS
 (Research Mentor(s): Nguyen Khac Minh, Da Nang University of Medical Technology & Pharmacy)

Narrative Thematic Analysis on Mental Health Outcomes for Aging Athletes
Jada Cardine, Senior, Kinesiology, AHS
 (Research Mentor(s): Caitlin Clarke, Health & Kinesiology)

Psychological Motivation Factor That Enhance Confidence and Participation in Sports Among Students With Poor Physical Fitness
Lifan Zhao, Junior, Statistics, LAS
Max Zhang, Junior, Information Sciences + Data Science, SIS
Luyang Si, Senior, Information Sciences + Data Science, SIS
 (Research Mentor(s): Peter Darch, School of Information Sciences)

User Burden in Digital Health
Gabriella Schneider, Senior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Mimi Trinh, Health & Kinesiology & Wendy Rogers, Health & Kinesiology)

Human Behavior & Perception

2:00 – 3:15 PM, Room 210

"When You Hear Me, You Do Not See Me": The Moderating Role of Language in the Relationship Between Political Ideology and Perceptions of Integration Success
Charlie Cervenka, Sophomore, Psychology, LAS
 (Research Mentor(s): Yarden Ashur, Psychology & Dov Cohen, Psychology)

How Does Visual Impairment Affect Health Literacy and Health Behaviors in Adult Populations?
Kristin Cho, Senior, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Soyoung Choi, Health & Kinesiology)

Predicting What We See: Exploring Statistical Regularities in Face and Object Perception
Kaiyue Jin, Senior, Psychology, LAS
 (Research Mentor(s): Diane Beck, Psychology & Zhenan Shao, Psychology)

Self-Report Bias in Heavy Drinkers: The Role of AUD Severity and Impulsivity
Jana Ji, Senior, Psychology, LAS
 (Research Mentor(s): Catharine Fairbairn, Psychology & Camille Lansang, Psychology)

Social Change & Identity

2:00 – 3:15 PM, Room 211

Asexuality, Prejudice, and Discrimination
Katrina Phillips, Senior, Gender & Women's Studies, LAS
 (Research Mentor(s): Toby Beauchamp, Gender & Women's Studies)

Moroccan Feminism: The Rise of Islamic Feminism From Mid-Twentieth Century Until the Arab Spring
Rachel Simpson, Senior, Global Studies, LAS
 (Research Mentor(s): David Schrag, Global Studies)

Student Protest During Donald Trump's Second Term
Josephine Thannert, Senior, Global Studies, LAS
 (Research Mentor(s): Joseph Coyle, Anthropology)

The Relations Between Cinematic Spaces and Cycles of Oppression in Kenji Mizoguchi's Street of Shame
Rory McFadden, Senior, Media & Cinema Studies, COM
 (Research Mentor(s): Jenny Oyallon-Koloski, Media & Cinema Studies)

Social Science & Technology

2:00 – 3:15 PM, Room 213

Demographic Differences in Social Media Use: The Role of Stress, Loneliness, and Coping Among U.S. College Students

Jose Patino, Sophomore, Human Development & Family Studies, ACES

Iskra Shtereva, Junior, Human Development & Family Studies, ACES

Indira Linares Tzintzun, Junior, Human Development & Family Studies, ACES

(Research Mentor(s): Gyuri Kim, Human Development & Family Studies & Eva Li, Human Development & Family Studies)

Investigating Unintended Consequences of Automated Traffic Law Enforcement in Commuting

Chris Raymond-Bertrand, Senior, Industrial Engineering, ENG

(Research Mentor(s): Chrysafis Vogiatzis, Industrial & Systems Engineering & Eleftheria Kontou, Civil & Environmental Engineering)

Technology on Trial: Reimagining Asylum Adjudication in a Digital Age

Leana Shin, Senior, Political Science, LAS

(Research Mentor(s): Meicen Sun, School of Information Sciences)

The TikTok Ban and Gen-Z: How “Losing a Good Friend” Resulted in “Feeling Human Again”

Ella Hiles, Sophomore, Psychology, LAS

(Research Mentor(s): V. N. Vimal Rao, Statistics & Cavan Bonner, Psychology)

Technology & Health

2:00 – 3:15 PM, Room 215

Development of a High-Throughput Ultrasound-Triggered Drug Activation System

Harbin Li, Senior, Electrical Engineering, ENG

(Research Mentor(s): Yun-Sheng Chen, Beckman Institute & Shensheng Zhao, Beckman Institute)

Graph Neural Network for Enhanced Protein Solubility Prediction

Ziyu Li, Junior, Mathematics, LAS

(Research Mentor(s): Huimin Zhao, Chemical & Biomolecular Engineering & Saman Shafaei, Chemical & Biomolecular Engineering)

Identification of Immune-Related Adverse Events in Cancer Patients Receiving Checkpoint Inhibitor Immunotherapy: A Natural Language Processing Approach

Alexander Kim, Freshman, Chemistry, LAS

(Research Mentor(s): Theresa Walunas, Northwestern University)

Microbiome-Driven Clusters Predict Risk of Severe Disease Outcomes in Inflammatory Bowel Disease

Niharika Bhattacharjee, Senior, Computer Science, ENG

(Research Mentor(s): Ravishankar Iyer, Electrical and Computer Engineering)



Artificial Intelligence & Machine Learning II

3:45 – 5:00 PM, Room 209

A.I. Bigotry: Tracing the Source of Existing Biases in A.I. Models Used to Predict Recidivism

Cedric Dredd, Junior, Business + Data Science, BUS

(Research Mentor(s): Hailat Tibebe, School of Information Sciences)

Industry Influence on Global AI Policy

Wenqi Shan, Freshman, Information Sciences + Data Science, SIS

(Research Mentor(s): Madelyn Sanfilippo, School of Information Sciences)

Navigating the Future: Investigating the Use of Artificial Intelligence in Students' Writing

Arianna Gandhi, Sophomore, Advertising, COM

(Research Mentor(s): Carolyn Wisniewski, Center for Writing Studies)

Simulating User Agents for Embodied Conversational AI

Daniel Philipov, Sophomore, Computer Science, ENG

(Research Mentor(s): Gokhan Tur, Siebel School of Computing and Data Science & Dilek Hakkani-Tür, Siebel School of Computing and Data Science)

Cells & Molecules III

3:45 – 5:00 PM, Room 210

Characterization of Rbg2: DRGs as Model Proteins for Reanalysis of the Cation-Dependent GTPase Motif

Jonathan Ouyang, University High School

(Research Mentor(s): Christopher Hawk, Biochemistry)

Developing a Tool for Targeted, Ubiquitin-Independent Protein Degradation

Meghan McCann, Senior, Biochemistry, LAS
(Research Mentor(s): Kai Zhang, Biochemistry & Yu-En Huang, Biochemistry)

Inhibition Of Tumor Glucocorticoid Production Inhibits Tumor Growth

Yuanyuan Cheng, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Matthew Taves, Animal Sciences)

Understanding of Herpesviral Genome Maintenance in Rapidly Dividing Transformed Cells

Hyojeong Yun, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Kathrine Van Etten, Pathobiology)

Humanities & The Arts

3:45 – 5:00 PM, Room 211

I Don't Like This: An Exploration of Discomfort in Dance

Nawal Assougdam, Senior, Dance, FAA
(Research Mentor(s): Roxane D'Orléans Juste, Dance & Serouj Aprahamian, Dance)

Justice as a Tool of Empire: The Guise of an "Adequate Administration of Justice" in British India

Noah Yeager, Junior, History, LAS
(Research Mentor(s): Marco Jaimes, History)

Punk: The Only Way Out

Tessa Olson, Senior, Dance, FAA
(Research Mentor(s): Betsy Brandt, Dance)

The Italian Expositions: National Identity and Cultural Modernism on Display During the Fin de Siècle

Justin Wytmar, Senior, History, LAS
(Research Mentor(s): Mark Micale, History)

Social Science & Culture

3:45 – 5:00 PM, Room 213

A Causal Inquiry Into the Effect of Sugar Beet Cultivation on Caribbean Slavery

Gustave Lackner, Senior, Economics, LAS
(Research Mentor(s): Isaac DiIanni, Economics)

Analysis of the Current Situation and Problems of Commercial Development of Yangmeizhu XieJie (Street) From the Perspective of Merchants

Linyi Qi, Freshman, Anthropology, LAS
(Research Mentor(s): Tan Meng, Chinese Academy of Social Sciences)

One Hundred Days of Confusion: British Perspectives on the Failure of the Qing Dynasty's 1898 Reform Movement

Lyndon Shi, Freshman, History, LAS
(Research Mentor(s): Marco Jaimes, History & Yujie Pu, East Asian Languages & Cultures)

The Role of Cognitive Interventions on Team Performance With Asian American Athletes Through Cross-Cultural Coaching

Ethan Mok-Chih, Junior, Psychology, LAS
(Research Mentor(s): Whitney Wolff, Health & Kinesiology)

Society, Culture, & the Human Experience

3:45 – 5:00 PM, Room 215

Little Stories for Little Children: Yiddish Children's Book Art and Diaspora Nationalism in the Soviet Union

Evan Price, Senior, Information Sciences, SIS
(Research Mentor(s): Kristin Romberg, Art History)

Brown Bodies, Orange Blood: Hindu Nationalism and Perceptions of Associated Material Culture in India

Neha Samuel, Sophomore, Psychology, LAS
(Research Mentor(s): Erin Riggs, Anthropology)

Determining Possible Racial and Ethnic Barriers to Local GSAs – First-Hand Accounts From GSA Participants

Fynn Levery, Senior, Social Work, SSW
(Research Mentor(s): Rachel Garthe, Social Work & Chris Fleming, Social Work)

Staging Authenticity: Battle of the Bamboo and the Evolution of Indigenous Filipino Cultural Expression in the Midwest

Gabrielle Wolf, Senior, Anthropology, LAS
(Research Mentor(s): Jennifer Delfino, Anthropology)

Technology in Practice

3:45 – 5:00 PM, Room 217

Developing an Accessible Solution for Video Content: Converting Videos and Transcripts Into Easily Downloadable Formats

Daniel Ding, Senior, Computer Science, ENG
(Research Mentor(s): Lawrence Angrave, Siebel School of Computing and Data Science)

Design and Development of a Soft Robotic Heart Model for Use in K-12 Education

Andy Granados, Freshman, Bioengineering, ENG
(Research Mentor(s): Holly Golecki, Bioengineering)

Video Analysis of Proxemic Interactions Between Older Adults and an Assistive Robot

Robert Mattas, Freshman, Kinesiology, AHS
(Research Mentor(s): Wendy Rogers, Health & Kinesiology & Yao-Lin Tsai, Health & Kinesiology)

Poster Presentations

PA Session - Cells & Molecules

9:00 – 10:15 AM, Illini Rooms ABC & South Lounge

1. Advancing Transdermal Drug Delivery: A Review of Industry Collaborations and Emerging Technologies

Dilshan Bath, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Amee Bindra, Carle Illinois College of Medicine)

2. Assessing the Role of FFA2 and FFA3 in Maintaining Ileal Function and Integrity

Ashley Equihua, Senior, Nutrition & Health, ACES
(Research Mentor(s): Nupur Pandya, University of Illinois, Chicago & Brian Layden, University of Illinois, Chicago)

3. Building Understanding of the Lutein Epoxide Cycle's Contribution to Photosynthesis

Mia Eschman, Junior, Plant Biotechnology, ACES
(Research Mentor(s): Laurie Leonelli, Agricultural & Biological Engineering & Komal Attri, Institute for Genomic Biology)

4. Canine TCC Cell and EV Metabolic Changes After Chemotherapy Treatment

Katerina Baxter, Senior, Bioengineering, ENG
(Research Mentor(s): Stephen Boppart, Bioengineering & Jaena Park, Bioengineering)

5. Characterization of Liver-Specific Adeno-Associated Vectors Encoding the Two Carotenoid-Cleaving Enzymes

Eva Hu, Junior, Dietetics & Nutrition, ACES
(Research Mentor(s): Jaime Amengual Terrasa, Food Science & Human Nutrition & Amparo Blanco Cirer, Food Science & Human Nutrition)

6. Deep Mutational Scanning of Influenza A Virus NEP Reveals Pleiotropic Mutations in its N-Terminal Domain

Evan Shao, Junior, Biochemistry, LAS
(Research Mentor(s): Qiwen Teo, Biochemistry)

7. Development and Characterization of Monoclonal Antibodies Against African Swine Fever Virus

Nicolas Hernandez, Senior, Animal Sciences, ACES
Seungjae Cho, Sophomore, Chemistry, LAS
Catherine Park, Sophomore, Animal Sciences, ACES
(Research Mentor(s): Ying Fang, Pathobiology & Chi Chen, Pathobiology)

8. Development of a Robust Protocol for Single-Cell Proteomics Using LC-MS

Hana Choi, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Jonathan Sweedler, Chemistry & Elena Romanova, Chemistry)

9. Ensuring Validity in a Viral Maternal Immune Activation Model: Preventing Postnatal Influenza Transmission and Maternal Care Confounds Using Cross-Fostering

Arianna Mendez, Senior, Animal Sciences, ACES
(Research Mentor(s): Adrienne Antonson, Animal Sciences & Arnav Kaushik, Neuroscience Program)

10. Establishment of a Mouse Embryonal Carcinoma Cell Lineage for the Study of Immunotherapies

Brayden Rennels, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Michael Spinella, Comparative Biosciences & Ratnakar Singh, Comparative Biosciences)

11. Genomic Analysis of Honey Bee Disease Transmission in Industrial Agriculture

Aidan Allenfort, Sophomore, Molecular & Cellular Biology, LAS
(Research Mentor(s): Rachel Whitaker, Microbiology & Edward Andrews, Microbiology)

12. Immune Response to La Crosse Encephalitis Virus Glycoprotein-pseudotyped Vesicular Stomatitis Virus Vaccine

Matt Beard, Junior, Integrative Biology, LAS
(Research Mentor(s): Ianko Iankov, Mayo Clinic)

13. Impact of Neutrophil-EVs on Triplet Negative Breast Cancer

Marwan Abughazaleh, Junior, Integrative Biology, LAS
(Research Mentor(s): Erik Nelson, Molecular & Integrative Physiology & Natalia Krawczynska, Molecular & Integrative Physiology)

14. Investigating FcoH: A Potential Virulence Factor in *Flavobacterium columnare*

Allie Elsayed Suliman, Sophomore, Chemistry, LAS
(Research Mentor(s): Anastasia Manesis, Chemistry & Aiden Houck, Chemistry)

15. Investigating Fibroblast-Macrophage Crosstalk in Hypermobile Ehlers-Danlos Syndrome: Implications for Inflammation and Wound Healing

Sam Christoff, Junior, Animal Sciences, ACES
(Research Mentor(s): Ali Nunes, Chemical & Biomolecular Engineering)

16. Maternal Infection and Its Impact on Placental Integrity: Unraveling Consequences for Fetal Health

Alexander Byrne, Junior, Neuroscience, LAS
(Research Mentor(s): Adrienne Antonson, Neuroscience & Izan Chalen-Parades, Animal Sciences)

17. Non-Glycine Collagen Mutations in hEDS: A Mouse Model Study of Collagen Organization Using Second-Harmonic Generation (SHG) Imaging

Rohan Mandhan, Senior, Mechanical Engineering, ENG
(Research Mentor(s): Amy Wagoner-Johnson, Mechanical Science & Engineering & Christina Laukaitis, Carle Illinois College of Medicine)

18. Pumpkin Metabolites Produced When Battling Fungi

Jack Gerbasi, Sophomore, Integrative Biology, LAS
(Research Mentor(s): Amit Rai, Crop Science & Mainak Dutta, Crop Science)

19. Quantitative Opioid Peptidomics in Mouse Cortex Using Isotopic Labeling Mass Spectrometry

Erin Davy, Junior, Biochemistry, LAS
(Research Mentor(s): Yanqi Tan, Chemistry & Jonathan Sweedler, Chemistry)

20. Resolving Small Tissue Vesicles by Expansion Microscopy
Dmitry Yurchanka, Senior, Bioengineering, ENG
Allison O'Callaghan, Sophomore, Biochemistry, LAS
 (Research Mentor(s): Andrew Smith, Bioengineering & Vladimir Kolossov, Bioengineering)

21. RpoS Dependent Polyamine Tolerance in Salmonella
Nosheen Ahmed, Senior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Jim Slauch, Microbiology & Yumi Iwadate, Microbiology)

22. The Impact of Prenatal Phthalate Exposure on Alzheimer's Disease Pathophysiology Using the 3xTg-AD Mouse Model
Swathi Chirumamilla, Junior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Howard Gritton, Comparative Biosciences & Selin Aktuna, Comparative Biosciences)

23. The Role of TipN in Peptidoglycan Antibiotic Resistance and Polar Tethering
Corey Trela, Junior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Morgan Letzkus, Microbiology & Paola Mera, Microbiology)

24. Tunneling of Body Wall Muscle Cells in *Caenorhabditis elegans* and *Pristionchus pacificus*
Bridget Brokaw, Senior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Ellie Conklin, Neuroscience & Nathan Schroeder, Crop Sciences)

25. Ventral Tegmental Area (VTA) Dopamine Neurons Regulate Food Motivation During Lactation
Emma Borrowman, Junior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Patrick Sweeney, Molecular & Integrative Physiology & Tanya Pattnaik, Molecular & Integrative Physiology)

PB Session - Health & Wellness

9:00 – 10:15 AM, Illini Rooms ABC & South Lounge

27. A Thematic Analysis of Barriers and Facilitators to Healthcare Accessibility for Individuals with Multiple Sclerosis
Quinn Ham, Junior, Community Health, AHS
 (Research Mentor(s): Vaishnavi Sridharan, Health & Kinesiology & Chung-Yi Chiu, Health & Kinesiology)

28. Analyzing Youth Substance Use Trends in Illinois: The Role of GIS in Understanding Geographic Patterns
Sara Zarea, Freshman, Economics, LAS
 (Research Mentor(s): Benjamin Campbell, Health & Kinesiology)

29. Applying User-Experience Strategies to Enhance an Older Adults' mHealth App
Gabriela Gryc, Junior, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Mimi Trinh, Applied Health Sciences & Wendy Rogers, Applied Health Sciences)

30. Beyond the Frontlines: Characterizing the Mental Health Symptomatology of Healthcare Workers
Bianca Varela, Freshman, Kinesiology, AHS
 (Research Mentor(s): Rachel Hoopsick, Health & Kinesiology)

31. Biomechanical Assessments of the Shoulder in Wheelchair Athletes
Ravi Shah, Freshman, Bioengineering, ENG
Harsh Patel, Freshman, Molecular & Cellular Biology, LAS
Akash Patel, Freshman, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Yih-Kuen Jan, Health & Kinesiology & Jack Guo, Health & Kinesiology)

32. Changes in Protein and Fiber Density Intake in a 3-Month Weight Loss Intervention for Illinois Rural Residents
Yusra Ansari, Junior, Nutrition & Health, ACES
Nayanika Madhav, Junior, Nutrition & Health, ACES
 (Research Mentor(s): Kayla Lammy, Food Science & Human Nutrition & Manabu Nakamura, Food Science & Human Nutrition)

33. Community Survey of Latina Women to Aid in Intervention to Reduce Pain and Prevent Postpartum Depression
Cecilia Santiago, Junior, Kinesiology, AHS
 (Research Mentor(s): Sandraluz Lara-Cinisomo, Health & Kinesiology)

34. Community Workers as Navigators: Helping Family Caregivers Access Vital Support and Resources
Katherine Hopkins, Senior, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Andiaara Schwingel, Health & Kinesiology & Babatope Ayokunle Ogunjesa, Community Health)

35. Comparison of Methods to Assess Diet Quality in Children Living in Champaign-Urbana
Maria Myers, Senior, Chemistry, LAS
 (Research Mentor(s): Sheena Martenies, Health & Kinesiology)

36. Cultural Considerations for Engaging Hispanic/Latino Populations in Aging and Disability Research
Fatima Pantoja Lara, Sophomore, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Wendy Rogers, Health & Kinesiology)

37. Development and Validation of a mHealth Fall Management Program: A Mixed-Methods Multi-Stage Study
MaryAnne Nguyen, Senior, Chemistry, LAS
 (Research Mentor(s): Laura Rice, Kinesiology & Community Health & Sahel Moein, Kinesiology & Community Health)

38. Evaluating Depression and Anxiety Screening Patterns Among Perinatal Latinas Amidst COVID-19
Sylvia Merz, Junior, Psychology, LAS
 (Research Mentor(s): Sandraluz Lara-Cinisomo, Health & Kinesiology)

39. Evaluating the Acquired Capability for Suicide Scale in Military Populations: A Confirmatory Factor Analysis
Yihe Fan, Junior, Statistics, LAS
 (Research Mentor(s): Chung-Yi Chiu, Health & Kinesiology & Huaijin Xu, Health & Kinesiology)

40. Evaluating the Relationship Between Gut Permeability and Inflammatory Markers in Adults With Overweight and Obesity
Shivam Patel, Junior, Biology, LAS
 (Research Mentor(s): Maria Sanabria Veaz, Nutrition & Human Health & Hannah Holscher, Nutrition & Human Health)

41. Exploring ICT-Based Interventions to Promote Moderate-Intensity Aerobic Exercise in Breast Cancer Survivors: A Literature Review
Joel Emil, Junior, Kinesiology, AHS
 (Research Mentor(s): Chung-Yi Chiu, Health & Kinesiology & Xin Chen, University of Kansas)

42. Gender Differences in Dominant vs. Non-Dominant Shoulder Range of Motion in Individuals With Disabilities: A Comparative Analysis
Kendell MacDonald, Junior, Kinesiology, AHS
 (Research Mentor(s): Matthew Hanks, Health & Kinesiology & Jungsun Moon, Health & Kinesiology)

43. Improving the Quality of Care Through Cultural Humility Training
Lorena Magallanes, Junior, Psychology, LAS
 (Research Mentor(s): Margarita Teran-Garcia, Nutritional Sciences)

44. Investigating Social Cohesion Among Older Adults in the Lifetime Fitness Program
Shae Madula, Senior, Kinesiology, AHS
Judith Mensah, Sophomore, Community Health, AHS
 (Research Mentor(s): Emerson Sebastiao, Health & Kinesiology)

45. Leveling Up Coordination: A Remotely Delivered Grid Game Intervention for Low-Active Adults
Dona Chong, Sophomore, Interdisciplinary Health Sciences, AHS
Ethan Mok-Chih, Junior, Psychology, LAS
Jackson Praet, Junior, Kinesiology, AHS
 (Research Mentor(s): Sean Mullen, Health & Kinesiology)

46. Mapping Current Literature to STARRS Questionnaires for Military Suicide Risk Assessment
Dana Shuaibi, Senior, Interdisciplinary Health Sciences, AHS
En Ci (Grace) Chang, Junior, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Chung-Yi Chiu, Health & Kinesiology & Huaijin Jin, Health & Kinesiology)

47. Menopause Status Effects on Coracoid Shape
Greta Pearl, Senior, Kinesiology, AHS
 (Research Mentor(s): Joshua Leonardis, Kinesiology & Community Health)

48. Multiple Sclerosis Health Literacy From a Socio-Ecological Perspective: A Qualitative Study
Diksha Keshav, Senior, Community Health, AHS
 (Research Mentor(s): Chung-Yi Chiu, Health & Kinesiology & Mojtaba Khaliji, Health & Kinesiology)

49. Nutritional Habits and Depression Status in College Students
Annamarie Zlatic, Junior, Dietetics & Nutrition, ACES
Nicoletta Spiliopoulos, Junior, Brain & Cognitive Science, LAS
Avery Schultz, Junior, Dietetics & Nutrition, ACES
Nathan Coates, Freshman, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Elizabeth Brandley, Nutritional Sciences)

50. Optimizing Intelligibility of Digits in Noise for Auditory Testing
Daniel Hogan, Junior, Statistics, LAS
Ellie Choe, Sophomore, Integrative Biology, LAS
 (Research Mentor(s): Dan Fogerty, Speech & Hearing Science)

51. Role of Stress in Predisposing Higher Gut Barrier Permeability in Mice With C. Rodentium-Induced Colitis
Zara Abdullah, Junior, Psychology, LAS
 (Research Mentor(s): Jacob Allen, Health & Kinesiology & Maria Elisa Caetano-Silva, Health & Kinesiology)

52. Saving Seconds, Saving Lives: Evaluating AED Availability and Student Readiness at UIUC
Amauri Middleton, Senior, Psychology, LAS
Aditya Shaha, Sophomore, Interdisciplinary Health Sciences, AHS
Giuliana Ramirez, Junior, Biology, LAS
Riya Patel, Freshman, Finance + Data Science, BUS
Ria Shah, Sophomore, Community Health, AHS
Isra Shaikh, Sophomore, Psychology, LAS
Manasa Maskey, Sophomore, Molecular & Cellular Biology, LAS
Akash Patel, Freshmen, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Paul Nguyen, Sudden Cardiac-death Awareness Research Foundation)

53. Sex-Based Comparison of Functional Test Performance in Older Adults: Preliminary Analysis From the ALERT Project
Ian Jun, Senior, Kinesiology, AHS
 (Research Mentor(s): Emerson Sebastiao, Health & Kinesiology)

54. Social Cohesion Among Older Adults in the Lifetime Fitness Program: Does Participation Frequency Matter?
Judith Mensah, Sophomore, Community Health, AHS
Shae Madula, Senior, Kinesiology, AHS
 (Research Mentor(s): Emerson Sebastiao, Health & Kinesiology)

55. The Effects of Lower-Extremity Resistance Training on Mobility, Power, and Walking Speed in Active Older Adults: Preliminary Analysis
Ashley Kim, Senior, Kinesiology, AHS
 (Research Mentor(s): Emerson Sebastiao, Health & Kinesiology)

56. The Future of Telepsychiatry: How Can Remote Mental Health Care Impact Accessibility and Mental Health Outcomes in Underserved Populations?
Lexi Sofolo, Junior, Psychology, LAS
 (Research Mentor(s): Timothy Hale, Health & Kinesiology)

57. The Impact of Minimum Required Physical Education Time on Childhood Obesity Prevalence in Selected U.S. States
Kristel Ong, Senior, Community Health, AHS
 (Research Mentor(s): Rafael Tassitano, Applied Health Sciences)

58. The Influence of Menopause on Glenoid Morphology and Shoulder Pain
Katie Naveja, Junior, Kinesiology, AHS
 (Research Mentor(s): Josh Leonardis, Health & Kinesiology & Whitney Wolff, Health & Kinesiology)

59. The Role of Mobile Health Technology (mHealth) in Managing Diabetes and Hypertension in Food-Insecure, Low-Income Populations: A Literature Review
Ian Zubrickas, Freshman, Kinesiology, AHS
 (Research Mentor(s): Rafael Guimaraes, Health & Kinesiology & Kristen DiFilippo, Health & Kinesiology)

60. *The Role of Tattoos in Body Image*

Magali Escobedo, Junior, Interdisciplinary Health Sciences, AHS
(Research Mentor(s): Toni Liechty, Recreation, Sport & Tourism)

PC Session - Humanities, Culture & Society

9:00 – 10:15 AM, Illini Rooms ABC & South Lounge

62. *Bilingual Metrics: Computationally Assessing English-Spanish Bilingualism Across Contexts*

Gautham Velupally, Freshman, Statistics & Computer Science, LAS
(Research Mentor(s): Jonathan Pye, Spanish & Portuguese)

63. *Ethnic Identity and Coping Styles Among Latinx College Students*

Sofia Anderson, Senior, Psychology, LAS
(Research Mentor(s): Raymond La, Psychology & Carla Hunter, Psychology)

64. *Following the Frame: Does Polarized Media Undermine Public Support Towards Social Movements?*

Jennifer Garwacki, Senior, Political Science, LAS
(Research Mentor(s): Thomas Rudolph, Political Science)

65. *Graphic Witness in Media: “Three Billboards Outside Ebbing, Missouri” and Beyond*

Francesca Dumitrescu, Senior, Media & Cinema Studies, COM
(Research Mentor(s): CL Cole, Media & Cinema Studies)

66. *Guardians of the Fallacy: Fact-Checking Repeated Misinformation and Examining its Impact on Candidate Trait Perceptions*

Dacia Leaky, Senior, Political Science, LAS
(Research Mentor(s): Aleks Ksiazkiewicz, Political Science)

67. *Multicultural Incorporation Through Art Education*

Calista Pollack, Junior, Art Education, FAA
Katherine Luu, Junior, Art Education, FAA
(Research Mentor(s): Jennifer Bergmark, Art Education)

68. *Perceived vs. Actual Errors: A Study of Spanish Accent Mark Accuracy Across Writing Modalities*

Noah Boyer-Edwards, Freshman, Anthropology, LAS
Keegan Mullins, Sophomore, Linguistics, LAS
Kami Parker, Junior, Spanish, LAS
(Research Mentor(s): Luis Gaytán Soto, Spanish & Portuguese)

69. *Qualitative Review on the Access, Acceptance and Attitude Towards Sustainability in Zambia*

Christopher Alvarado, Sophomore, Agricultural & Biological Engineering, ACES
(Research Mentor(s): Ann-Perry Witmer, Agricultural & Biological Engineering)

70. *Rationalizing Sexual Morality: Medicalizing Homosexuality in Quebec News Media*

Anjolie Yarza, Junior, Community Health, AHS
(Research Mentor(s): Robin Turner, French & Italian)

71. *Sentiment Analysis Within the #BritishLatinos Hashtag Community*

Renee George, Freshman, CS + Linguistics, LAS
(Research Mentor(s): Jonathan Pye, Spanish & Portuguese)

72. *How Students’ Perceptions of Institutional Support Impacts Their Sense of Belonging After Transferring*

Dystonae Clark, Junior, Psychology, LAS
(Research Mentor(s): Taiylor Rayford, Educational Psychology)

73. *Finding Home: The Impact of Relationships in First-Generation Students’ Belonging*

Joselyn Villa, Sophomore, Public Policy & Law, ACES
(Research Mentor(s): Nidia Ruedas-Gracia, Educational Psychology)

74. *The Importance of Sustained Creation for Developing an Artist-Teacher Identity*

Elise McClanahan, Senior, Art Education, FAA
Jordyn Carton, Senior, Art Education, FAA
(Research Mentor(s): Jennifer Bergmark, Art Education)

75. *The Medieval Romance Genre From a Cross-Cultural Perspective*

Seda Murphy, Freshman, Natural Resources & Environmental Sciences, ACES
(Research Mentor(s): Eva Kuras, Comparative & World Literature)

76. *The Persian-Italian Connection in Renaissance Literature*

Liam Campbell, Junior, Mathematics, LAS
(Research Mentor(s): Eva Kuras, Comparative Literature)

77. *The Relationship Between Asexuality and Attachment Styles*

Katrina Powers, Senior, Psychology, LAS
(Research Mentor(s): Chris Fraley, Psychology)



78. The Role of the Poll: Polling (Dis)Trust and Increased Voter Turnout

Kenneth Dolin, Senior, Political Science, LAS

(Research Mentor(s): Thomas Rudolph, Political Science & Avital Livy, Political Science)

79. Understanding the Importance of Community-Based Theater Through the Lens of a Māori Theater

Bronwyn Garrett, Junior, Theatre, FAA

(Research Mentor(s): Kirsten Pullen, Theatre)

80. Women Athletes & the Role of Media on Gender Identity

Jasmine Baxter, Junior, Psychology, LAS

Lori Hallford, Junior, Communication, LAS

(Research Mentor(s): JungHwan Yang, Communications & Ethan Morrow, Communications)

PD Session - Science & Technology

9:00 – 10:15 AM, Illini Rooms ABC & South Lounge

82. 3D Visualizations of Binary Neutron Stars With Differing Magnetic Fields

Yinuan Liang, Junior, Physics, ENG

Cody Olson, Junior, Astrophysics, LAS

Yuheng Guo, Junior, Physics, ENG

Seyed Ahmad Dastgheib, Sophomore, Physics, ENG

(Research Mentor(s): Stuart Shapiro, Physics & Astronomy & Antonios Tsokaros, Physics)

83. A High-Throughput Imaging and Analysis Pipeline for Phenotyping MIC-Drop-Generated Zebrafish Mutants in 96-Well Plates

Abhinav Bachu, Sophomore, Molecular & Cellular Biology, LAS

(Research Mentor(s): Saba Parvez, Northwestern University)

84. Analysis of the Galactic Escape Fraction in the Lyman Continuum

Varun Satish, Junior, Astrophysics, LAS

(Research Mentor(s): Kirk Barrow, Astronomy)

85. Co-Designing Continual-Learning Edge Architectures With Hetero-Integrated Silicon-CMOS and Electrochemical Random-Access Memory

Lorenzo Bujalil Silva, Senior, Computer Engineering, ENG

Pratham Jain, Senior, Computer Engineering, ENG

Areeba Rashid, Senior, Computer Science, ENG

(Research Mentor(s): Nabila Tasnim, Siebel School of Computing & Data Science & Saugata Ghose, Siebel School of Computing & Data Science)

86. Cosmic Pinballs: Magnetized Dust Grains in Supernova Remnants

Ojas Turekar, Senior, Astrophysics, LAS

(Research Mentor(s): Brian Fields, Astronomy)

87. Derivation of Conformally Flat Metric for Generalized Schwarzschild-like Solutions

Zeyu Zeng, Freshman, Physics, ENG

(Research Mentor(s): Elena Koptieva, Physics)

88. Effect of Optical Coatings on the Light-Output Response of Trans-Stilbene and Organic Glass

Shaffer Bauer, Junior, Nuclear, Plasma & Radiological Engineering, ENG

(Research Mentor(s): Angela Di Fulvio, Nuclear, Plasma & Radiological Engineering)

89. Effects of Age on Withdrawal-Induced Anhedonia in a Rat Model of Methamphetamine Misuse

Indigo Anstee, Senior, Psychology, LAS

(Research Mentor(s): Josh Gulley, Psychology)

90. Experiential Learning in Introductory Bioengineering: Mass Transfer in Porous Materials

Madison Fanning, Junior, Bioengineering, ENG

Shreya Gustafson, Junior, Bioengineering, ENG

(Research Mentor(s): Caroline Cvetkovic, Bioengineering)

91. Ferroelectric Relaxors and Their Dependence on Electric Fields and Temperature

Ahmad Maatah, Senior, Physics, ENG

(Research Mentor(s): Eugene Colla, Physics)

92. Identification of a Septuple Open Cluster System Using a Hierarchical Density-Based Clustering and Gaussian Mixture Model in Gaia DR3 Data

Ferdinand Ferdinand, Sophomore, Astrophysics, LAS

(Research Mentor(s): Mochammad Ikbil Arifyanto, Bandung Institute of Technology)

93. Impact of 2-AG Inhibition on Fear and Stress Responses in Mice

Senna Charles, Senior, Psychology, LAS

(Research Mentor(s): Niharika Loomba, Northwestern University & Sachin Patel, Northwestern University)

94. Optimizing Floating Wetlands: Investigating Plant Morphology, Sediment Transport, and Drag in a Recirculating Flume

Lucy Kleczewski, Senior, Civil Engineering, ENG

(Research Mentor(s): Rafael Tinoco, Civil & Environmental Engineering & Yihui Wang, Civil & Environmental Engineering)

95. Plasma-Assisted Electrochemical Degradation of GenX

Piper Fernau, Junior, Nuclear, Plasma & Radiological Engineering, ENG

(Research Mentor(s): R. Mohan Sankaran, Nuclear, Plasma & Radiological Engineering)

96. Public Perception of Technology

Elizabeth Rodriguez, Junior, Communication, LAS

(Research Mentor(s): Sarah Benevento, Communication & Cabral Bigman, Communication)

97. Quantification of Errors in Digital Volume Correlation

Keya Patel, Senior, Bioengineering, ENG

(Research Mentor(s): Mariana Kersh, Mechanical Engineering & Mikayla Hoyle, Mechanical Engineering)

98. Reduction of a Biophysical CA1 Region of the Hippocampus Into a Mean Field/Population Rate Model

Vedha Pant, Sophomore, Information Sciences + Data Science, SIS
(Research Mentor(s): Alexandra Chatzikalymniou, Stanford University)

99. Single-Cell Metabolomic Characterization via CE-NanoESI-MS

Yash Nelavelli, Junior, Biochemistry, LAS
(Research Mentor(s): Shuangshuang Chen, Chemistry)

100. Tracking Altered Nucleo-Cytoplasmic Localization of Proteins in Hepatocytes During Development and Disease

Anuprova Bhowmik, Sophomore, CS + Chemistry, LAS
(Research Mentor(s): Auinash Kalsotra, Biochemistry & Diptatanu Das, Biochemistry)

101. Hardware Implementations of Post-Quantum Encryption Algorithms

Isaac Hegg, Sophomore, Computer Engineering, ENG
Michael Vincent, Sophomore, Computer Engineering, ENG
(Research Mentor(s): Zuofu Cheng, Electrical & Computer Engineering)

PE Session - Social Science & Human Behavior

9:00 – 10:15 AM, Illini Rooms ABC & South Lounge

102. Caregiving and Fall Prevention: How Adult Children Seek and Receive Support on Reddit

Jaahnvi Patel, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Shannon Mejia, Health & Kinesiology)

103. Discrimination, Minority Stressors, and Perceived Social Support: An Exploratory Study Among Black Queer College Students

Cache Merriweather, Senior, Psychology, LAS
(Research Mentor(s): Kevin Tan, Social Work)

104. Economic Analysis of Changes in Driving Behavior

Grace Liu, Senior, Architectural Studies, FAA
(Research Mentor(s): Julie Zook, Architecture)

105. Exploring the Effects of Nature, Mindfulness, and Music on Social-Emotional and Executive Functioning Outcomes in Early Childhood: A Scoping Review

Baani Parmar, Freshman, Community Health, AHS
(Research Mentor(s): Rachel Jackson, Family Resilience Center & Jacinda Darioti, Family Resilience Center)

106. Fire Readiness for Wheelchair Users (FEW)

Sydney Shannon, Junior, Kinesiology, AHS
(Research Mentor(s): Laura Rice, Health & Kinesiology & Weiwei Li, Health & Kinesiology)

107. Gender Minority Stress, Social Support, and Psychological Outcomes Among Transgender and Gender Nonconforming Adults

Alyssa Schramm, Senior, Psychology, LAS
(Research Mentor(s): Thomas Kwapi, Psychology & Laura Hernandez, Psychology)

108. Meta-Analysis of the Association Between Power and Satisfaction in Romantic Partnerships

Khushi Galpalli, Sophomore, Psychology, LAS
(Research Mentor(s): Eleanor Junkins, Human Development & Family Studies & Brian Ogolsky, Human Development & Family Studies)

109. Neuroticism, Extraversion, and Positive Mood Enhancement in a Social Drinking Context

Patricia Miszczak, Junior, Psychology, LAS
(Research Mentor(s): Jay Park, Psychology & Catharine Fairbairn, Psychology)

110. Non-Suicidal Self-Injury Among Youth: Reasons Why, Methods How, and Pain Experienced

Mary Fraley, Sophomore, Psychology, LAS
Saanj Mehta, Senior, Psychology, LAS
(Research Mentor(s): Benjamin Hankin, Psychology)

111. Parental Responsiveness and Infant Emotionality: Exploring Parent-Infant Daily Interaction in the Home Environment

Tianshuo Chen, Junior, Psychology, LAS
Mehak Tiwana, Junior, Psychology, LAS
Ally Saed, Sophomore, Molecular & Cellular Biology, LAS
Annick Arnaud, Junior, Psychology, LAS
Chloe Guo, Sophomore, Psychology, LAS
(Research Mentor(s): Nancy McElwain, Human Development & Family Studies & Kexin Hu, Human Development & Family Studies)

112. Perceived Economic Inequality in the Philippines: A Comparison of Liberals and Conservatives

Jasmin Zepeda, Freshman, Psychology, LAS
(Research Mentor(s): Salvador Exequiel Vargas Salfate, Psychology & Chadly Stern, Psychology)

113. Predicting Stability in Relationship Involvement Among Unmarried Couples

Lening Liu, Senior, Psychology, LAS
(Research Mentor(s): Brian Ogolsky, Human Development & Family Studies)

114. Relationship Between Resting State EEG and Behavioral Performance on Prospective Memory Task in Young Adults

Sally Grace Rogers, Junior, Neuroscience, LAS
Patricia Jurzyk, Freshman, Interdisciplinary Health Sciences, AHS
(Research Mentor(s): Raksha Mudar, Speech & Hearing Science)

115. Scrolling for Happiness? The Hidden Role of Family in Social Media's Impact on College Students

Valeria Serrano, Junior, Human Development & Family Studies, ACES
Abby Kuebrich, Junior, Human Development & Family Studies, ACES
Claire Behme, Junior, Human Development & Family Studies, ACES
(Research Mentor(s): Hayoung Choi, Human Development & Family Studies)

116. Student Use of Gesturing Through Introductory Statistical Concepts

Brisa Jasso, Sophomore, Secondary Education, EDU
(Research Mentor(s): Michelle Perry, Education)

117. The Impact of Students' Tolerance of Uncertainty on Their Learning

Madeline Hunt, Junior, Psychology, LAS

Samin Hemani, Sophomore, Information Systems, BUS
(Research Mentor(s): V. N. Vimal Rao, Statistics)

118. Investigating the Derailement — Depression Link: The Role of Mindfulness as a Potential Moderator

KaiNani Kastor, Senior, Psychology, LAS

(Research Mentor(s): Hou Xie, Educational Psychology)

119. Voter Bias & LGBT Candidate Success: A Study of Senator Tammy Baldwin

Carter Evans, Senior, Political Science, LAS

(Research Mentor(s): Gino Pauselli, Political Science)

120. A Literature Review on Approaches to Language Sampling in Persons With Mild Cognitive Impairment

Jackie Palmer, Sophomore, Kinesiology, AHS

(Research Mentor(s): Wendy Rogers, Health & Kinesiology & Alexandra Trekas, Speech & Hearing Science)

121. Word Perception of Personality Disorder Diagnostic Criteria

Alexandra Stoica, Junior, Psychology, LAS

(Research Mentor(s): V. N. Vimal Rao, Statistics)

122. Nuclear Capabilities and the Shaping of Russian Foreign Policy Rhetoric

Camille Dolce, Senior, Statistics, LAS

(Research Mentor(s): Nora Webb Williams, Political Science)

123. Impressions and Perceptions of Skin-Tone Emojis in Different Age Groups

Lilian Murdie, Senior, Psychology, LAS

Miranda Santucci, Junior, Psychology, LAS

(Research Mentor(s): Brenda Straka, Psychology & Sherlock Liu, Psychology)

PF Session - Cells & Molecules

10:45 AM – 12:00 PM, Illini Rooms ABC & South Lounge

1. A Prosthetic Reaction to Combat Urea Cycle Disorders

Mary O'Sullivan, Senior, Biology, LAS

(Research Mentor(s): Elisia Meyle, Chemistry)

2. Activity-Based Sensing Reveals Elevated Labile Copper Promotes Liver Aging via Hepatic Stem Cell Depletion

Michael Myszka, Junior, Chemistry, LAS

(Research Mentor(s): Jefferson Chan, Chemistry & Zhenxiang Zhao, Chemistry)

3. Bio-Metal Availability Alters Swarming Motility and Metabolic Secretion in *Pseudomonas aeruginosa* Under Aerobic and Anaerobic Conditions

Gillian Krughoff, Junior, Chemistry, LAS

(Research Mentor(s): Jonathan Sweedler, Chemistry & Joenisse Marie Rosado-Rosa, Chemistry)



4. Cellularly Resolved Transcriptomic and Epigenomic Transformation of the Preoptic Area During Protandrous Sex Change

Gabriel Graham, Senior, Psychology, LAS

(Research Mentor(s): Justin Rhodes, Psychology)

5. Communication Between the Hypothalamus and the Inferior Colliculus in Auditory Processing

Sinan Hashim, Senior, Molecular & Cellular Biology, LAS

(Research Mentor(s): Daniel Llano, Molecular & Integrative Physiology)

6. Parental Care Behavior in Mice Is Influenced by Genomic Imprinting of Dopa Decarboxylase (*Ddc*) Gene in Monoaminergic Neurotransmitter System

Ananya Sampathkumar, Sophomore, Neuroscience, LAS

(Research Mentor(s): Paul Bonthuis, Veterinary Medicine)

7. Design of a Six-Coordinate Heme Model for Spectroscopic Investigations of Bis-Fe(IV) Forming Enzymes

Alexandra Mazur, Junior, Chemistry, LAS

(Research Mentor(s): Anastasia Manesis, Chemistry & Riley Stein, Chemistry)

8. Determining Weaknesses of Antibiotic-Resistant Bacteria Using the Model Organism, *Caulobacter crescentus*

Kirsten Schaefer, Sophomore, Biochemistry, LAS

(Research Mentor(s): Abigail Long, Molecular & Cellular Biology & Paola Mera, Molecular & Cellular Biology)

9. Developing an On Tissue Chemical Derivatization Strategy for MALDI-MSI Applied to Neuromuscular Junctions

Taigee Woods, Senior, CS + Chemistry, LAS

(Research Mentor(s): Ashley Lenhart, Chemistry & Jonathan Sweedler, Chemistry)

10. Effect of Mechanical Force on Neurotransmission

Mohammad Zayyad, Senior, Computer Science, ENG
Calla Litteken, Freshman, Neural Engineering, ENG
 (Research Mentor(s): Saddam Hossain Joy, Mechanical Science & Engineering & Taher Saif, Mechanical Science & Engineering)

11. Effects of Chronic Exposure to Diisononyl Phthalate (DiNP) on the Female Reproductive Tract in Mice

Coby Sexton, Senior, Animal Sciences, ACES
 (Research Mentor(s): Romana Nowak, Animal Sciences)

12. Engineered 2D and 3D Platforms for Stem Cell-Derived Liver Co-Culture

Katherine Zobus, Junior, Bioengineering, ENG
 (Research Mentor(s): Brock Greci, Bioengineering)

13. Fibroblast Cell Marker Increased Within the Colonic Patches of the Hnmp I Knocked-Out Mice Colon Revealed by Spatial Transcriptomics

Thunchanok Phunratanamala, Freshman, Psychology, LAS
 (Research Mentor(s): Jack Zhang, Nutritional Sciences)

14. GoS2-Induced Resensitization to Antiestrogenic Drugs in Breast Cancer

Younan Adam, Junior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Michael Spinella, Comparative Biosciences & Ratnakar Singh, Comparative Biosciences)

15. Heterologous Expression of Terpenoids in Yeast

Ryan Vanichtheeranont, Junior, Biochemistry, LAS
 (Research Mentor(s): Bidhan De, Chemistry)

16. Impact of Pericyte Depletion on the Ability for Skeletal Muscle to Recover After a Period of Disuse

Maks Samatov, Senior, Biochemistry, LAS
 (Research Mentor(s): Marni Boppart, Health & Kinesiology)

17. Inflammation-Linked Upregulation of Neural Progenitor Cells in a Multiple Sclerosis Mouse Model

Rachel Huezo, Junior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Joshua Saylor, Comparative Biosciences & Makoto Inoue, Comparative Biosciences)

18. Investigating the Role of Marek's Disease Virus (MDV) Glycoprotein D (gD) in Cell-Free Virus Production

Mohammad Safi, Junior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Hafiz Sohaib Zafar, Veterinary Medicine & Keith Jarosinski, Veterinary Medicine)

19. Investigating the Structure of a Lipid-Modified Peptide in Bacteroidetes

Kevin Zhang, Sophomore, Chemistry, LAS
 (Research Mentor(s): Jeff Chen, Chemistry & Wilfred van der Donk, Chemistry)

20. Isolation and Characterization of Staphylococcus epidermidis Bacteriophages From Wastewater

Jenna Bui, Junior, Biochemistry, LAS
 (Research Mentor(s): Asma Hatoum-Aslan, Microbiology)

21. Laboratory-Reared Honey Bees and Brain Gene Expression Associated With Phototransduction

Amy Gomez-Lopez, Senior, Crop Sciences, ACES
 (Research Mentor(s): Gene Robinson, Institute for Genomic Biology & Melissa Flores, Neuroscience)

22. Molecular Characterization of Thalamic Reticular Neurons Involved in Auditory Processing

Enrique Sanchez, Senior, Biochemistry, LAS
 (Research Mentor(s): Daniel Llano, Molecular & Integrative Physiology)

23. Novel Murine Diet Model That Recapitulates the Key Features of Human MetALD

Arnab Roy, Junior, Biochemistry, LAS
 (Research Mentor(s): Diptatanu Das, Biochemistry & Auinash Kalsotra, Biochemistry)

24. Optimizing Fatty Alcohol Production Through Peptone Dilution

Nicole Cheung, Junior, Chemistry, LAS
 (Research Mentor(s): Joshua Ye, Chemical & Biomolecular Engineering)

25. Prebiotic Fructans Reduce Stress-Induced Glucocorticoid Signaling

Daniel De Guzman, Junior, Animal Sciences, ACES
 (Research Mentor(s): Brett Loman, Animal Sciences)

26. Characterizing the Role of Glycoprotein C in Varicella-Zoster Virus Transmission

Sarah Lichtenberg, Freshman, Biochemistry, LAS
 (Research Mentor(s): Kathrine Van Etten, Pathobiology)

27. Revolutionizing At-Home Urinalysis for Geriatric Patients: A Breakthrough in Personalized Healthcare

Arham Shah, Senior, Industrial Engineering, ENG
Karl Jackiewicz, Sophomore, Chemical Engineering, ENG
Anuprova Bhowmik, Sophomore, Computer Science + Chemistry, LAS
Trisha Penmetcha, Sophomore, Bioengineering, ENG
Larsen Prokop, Sophomore, Neuroscience, LAS
 (Research Mentor(s): Jenny Amos, Bioengineering)

28. Unraveling the Structure of the Meiotic Synaptonemal Complex in Mammalian Spermatocytes via EdU Click Chemistry and MINFLUX Nanoscopy

Evan Zakharchenko, Junior, Biochemistry, LAS
Gayathri Nair, Sophomore, Molecular & Cellular Biology, LAS
Eshaan Jayaswamy, Freshman, Biochemistry, LAS
 (Research Mentor(s): Huanyu Qiao, Comparative Biosciences)

29. Unveiling Reactivity: How MbnH Substrate Binding Offers Insight Into bis-Fe(IV)-Forming Enzymes

Nikhil Cowart, Junior, Chemistry, LAS
 (Research Mentor(s): Anastasia Manesis, Chemistry & Rachel Thomas, Chemistry)

PG Session - Learning & Human Development

10:45 AM – 12:00 PM, Illini Rooms ABC & South Lounge

32. AI-TA Integration Into Art Education: Assessing Student Learning Outcomes and Perspectives

Charlotte Shafer, Sophomore, Business + Data Science, BUS
(Research Mentor(s): Somi Lee, Art & Design & Nick Bonanno, Illinois Leadership Center)

33. Beyond the Classroom: The Role of Parental Support in Shaping First-Generation College Student Success

Stephany Serna, Junior, Psychology, LAS
(Research Mentor(s): Nidia Ruedas-Gracia, Educational Psychology)

34. Culturally Responsive Online Classrooms: Designing Learning Management Systems for Diverse Higher Education Communities

Jacob Sobel, Senior, Learning & Education Studies, EDU
Tessa Wolf, Senior, Learning & Education Studies, EDU
(Research Mentor(s): Jina Kang, Curriculum & Instruction)

35. Developing an Ecological Test: Measuring Children's Speech Comprehension in the Classroom

Megan Stemm, Senior, Speech & Hearing Science, AHS
Ella Redden, Sophomore, Speech & Hearing Science, AHS
Ava Hampe, Sophomore, Speech & Hearing Science, AHS
(Research Mentor(s): Mary Flaherty, Speech & Hearing Science)

36. Evaluating the Effect of Social Affinity on Syntactic Priming: A Replication Study

Huiying Liao, Senior, Psychology, LAS
(Research Mentor(s): Cynthia Fisher, Psychology)

37. Fostering Peer Connections: The Impact of Parents and Teachers

Amelia Gallaher, Senior, Human Development & Family Studies, ACES
(Research Mentor(s): Kelly Tu, Human Development & Family Studies)

38. Raising the Standard: Applying Systemic Quality Measures in Residential Treatment

Maia Clifford, Junior, Psychology, LAS
(Research Mentor(s): Agnes Rieger, Psychology)

39. How Coping With Peer Victimization Shapes Social Development: A Longitudinal Perspective

Rhea Razdan, Junior, Psychology, LAS
Hadyn Fischer, Senior, Psychology, LAS
(Research Mentor(s): Elena Gagliano, Psychology & Karen Rudolph, Psychology)

40. PAC-ROPHAGE: Game-Based Learning Meets the Immune System

Trisha Patnaik, Senior, Bioengineering, ENG
Madison Fanning, Junior, Bioengineering
(Research Mentor(s): Caroline Cvetkovic, Bioengineering)

41. Speech Recognition in Monolingual Versus Bilingual Spanish and English Speakers: A Behavioral and EEG Study

Carly Roberts, Senior, Speech & Hearing Science, AHS
Andrea Llavona, Sophomore, Speech & Hearing Science, AHS
Jocelyn Gomez, Junior, Speech & Hearing Science, AHS
Andrea Davila, Senior, Speech & Hearing Science, AHS
(Research Mentor(s): Mary Flaherty, Speech & Hearing Science)

42. Students' Statistical Thinking When Using Generative AI

Sanjana Gongati, Junior, Statistics, LAS
Bhuvan Kala, Junior, Statistics, LAS
(Research Mentor(s): Amos Jeng, Educational Psychology & V. N. Vimal Rao, Statistics)

43. The Impact of Real-Time Text Captioning on Speech Perception in Noise

Elyse Zheng, Senior, Speech & Hearing Science, AHS
(Research Mentor(s): Dan Fogerty, Speech & Hearing Science)

44. The Influence of Prior Reward Associations on the Spatial and Temporal Encoding of Items Into Working Memory

Shiyu Guo, Junior, Psychology, LAS
(Research Mentor(s): Jonathan Yuiquimpo, Psychology & Aaron Benjamin, Psychology)

45. The Writing Process Through Students' Eyes: Insights for Educators

Makenna Cravens, Freshman, Interdisciplinary Health Sciences, AHS
Claire Osborn, Freshman, Community Health, AHS
Ava Amabile, Sophomore, Speech & Hearing Science, AHS
Maddie Glowacki, Junior, Speech & Hearing Science, AHS
(Research Mentor(s): Meaghan McKenna, Speech & Hearing Science)

46. Undergraduate Student Perspectives and Outcomes of a Novel Exploratory Virtual Reality Neuroanatomy Learning Tool

Sinan Hashim, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Jeremy Toma, Molecular & Cellular Biology)

47. Understanding Graphs: An Eye-Tracking Study

Hector Shi, Senior, Psychology, LAS
(Research Mentor(s): Kiel Christianson, Educational Psychology)

48. Victimization, Coping, and Aggression: A Longitudinal Study of Sex-Moderated Pathways

Hadyn Fischer, Senior, Psychology, LAS
Rhea Razdan, Junior, Psychology, LAS
(Research Mentor(s): Erin Wood, Psychology & Karen Rudolph, Psychology)

PH Session - Nature, Life & Environment

10:45 AM – 12:00 PM, Illini Rooms ABC & South Lounge

50. A Comparative Study of Mechanistic and Machine Learning Models for Soybean Growth Prediction

Elan Pan, Sophomore, CS + Crop Sciences, ACES
(Research Mentor(s): Yufeng He, RIPE Project & Megan Matthews, Civil & Environmental Engineering)

51. Agricultural Soil Qualities After Ground Basalt Application and Elevated CO₂ Conditions

Jane Fornes, Junior, Natural Resources & Environmental Sciences, ACES
(Research Mentor(s): Lisa Ainsworth, Plant Biology)

52. Analyzing Sub-Daily Rainfall Variability in Illinois: Trends, Extremes, and Climate Change Implications

Sophia Tuisl, Sophomore, Earth, Society & Environmental Sustainability, LAS
(Research Mentor(s): Trent Ford, Illinois State Water Survey & Scott Lincoln, National Weather Service)

53. Associations Between Particulate Matter Oxidative Potential and its Metal Contents

Tanya Karwande, Senior, Community Health, AHS
(Research Mentor(s): Sheena Martenies, Health & Kinesiology)

54. Correlative Relationships Between Forest Management and Midwest Moths

Fern Greydinger, Senior, Natural Resources & Environmental Sciences, ACES
(Research Mentor(s): Michael Ward, Natural Resources & Environmental Sciences)

55. Cultivating Healing: The Role of Green Spaces in Childhood Trauma Recovery

Victoria Benavides, Senior, Social Work, SSW
(Research Mentor(s): Andrea Faber Taylor, Crop Sciences)

56. Downscaled Climate Model Predictions of Fire Weather Intensification Understate Historical Trends

Theo Avila, Junior, Physics, ENG
(Research Mentor(s): Ryan Sriver, Climate, Meteorology & Atmospheric Sciences)

57. Evaluating Bird Occupancy Across Citizen Science Platforms

Isabella Yap, Freshman, Natural Resources & Environmental Sciences, ACES
(Research Mentor(s): Lauren Scopel, Illinois Natural History Survey)

58. Exploring Water as a Dispersal Mechanism for *Hymenoxys texana*

Isabelle East, Senior, Biology, LAS
(Research Mentor(s): Julia Freeman, Natural Resources & Environmental Sciences & Brenda Molano-Flores, Illinois Natural History Survey)

59. Fungal Endophytes in Native Prairie Plants vs. *Lespedeza cuneata*

Ilyana Martinez, Sophomore, Parkland College
(Research Mentor(s): Ilana Fay Zeitzer, Program in Ecology, Evolution & Conservation & Anthony Yannarell, Natural Resources & Environmental Sciences)

60. Glycine Concentration-Dependent Sucker Reflex Timing in *Octopus Rubescens*: A Quantitative Assessment

Paige Henley, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Jilai Cui, Molecular & Integrative Physiology & Rhanor Gillette, Molecular & Integrative Physiology)

61. Hydrology, Non-Native Species, and Pollinator Resources in Illinois Wetlands

Wolfgang Burtner, Senior, Natural Resources & Environmental Sciences, ACES
(Research Mentor(s): Jeffrey Matthews, Natural Resources & Environmental Sciences)

62. Identifying and Characterizing a Novel Bacterial Pathogen of Pumpkin in Illinois

Allison Kokal, Junior, Plant Biotechnology, ACES
(Research Mentor(s): Sarah Hind, Crop Sciences & Ivan Mina Zavala, Crop Sciences)

63. Impact of Organic Acids on the Aerobic Stability of Total-Mixed Rations

Emma Rauch, Sophomore, Animal Sciences, ACES
(Research Mentor(s): Lizet Garcia, Animal Sciences)

64. Individual Cattle Identification Using Computer Vision

Lya Mun, Sophomore, Information Sciences + Data Science, SIS
(Research Mentor(s): Luana Benicio, Animal Sciences)

65. Investigating the Nitrogen-Photosynthesis Relationship Using the Legume-Rhizobia Model

Qingduo Li, Sophomore, Integrative Biology, LAS
(Research Mentor(s): Jiesheng Zheng, Institute for Genomic Biology & Kath Heath, Institute for Genomic Biology)

66. Laboratory Experiments on the Transport of Seaweed on Coasts

Katherine Watzke, Junior, Environmental Engineering, ENG
(Research Mentor(s): Rafael Tinoco, Civil & Environmental Engineering)

67. Life Beneath the Surface: Uncovering the Symbiotic Relationship Between Mudpuppies & Salamander Mussels Using eDNA

Savanna Palmer, Junior, Integrative Biology, LAS
(Research Mentor(s): Mark Davis, Illinois Natural History Survey)

68. Morphologies of CL-AGN Host Galaxies in Galaxy Zoo

Tanay Agrawal, Sophomore, Astrophysics, LAS
(Research Mentor(s): Margaret Elizabeth Verrico, Astronomy & French Decker, Astronomy)

69. Nature is Nurture: Exploring Nature's Equigenic Effects on Children's Psychological Health

Keira Denker, Junior, Brain & Cognitive Science, LAS
(Research Mentor(s): Andrea Faber Taylor, Crop Sciences)

70. Non-Potable Water Use for Campus Sustainability at the University of Illinois Urbana-Champaign

Rachel Kibler, Senior, Natural Resources & Environmental Sciences, ACES
(Research Mentor(s): Chloe Wardropper, Natural Resources & Environmental Science)

71. Numbers Matter: Investigating Tomato Plant Defenses Against Beet Armyworm (*Spodoptera exigua*) Herbivory

Mahnaz Kashmiri, Junior, Integrative Biology, LAS
(Research Mentor(s): Esther Ngumbi, Entomology & Minxing Zhu, Entomology)

72. Quantifying Single-Use Plastics Associated With Plant Transformation

Ellen Cha, Junior, Earth, Society & Environmental Sustainability, LAS
(Research Mentor(s): Sarah Hind, Crop Sciences & Justin Larkin, Crop Science)

73. Synthetic Endocrine Disrupting Chemicals and Their Effect on Copulatory Behavior in Mice

Aneta Dzielska, Senior, Molecular & Cellular Biology, LAS
Nirmal Nathan, Senior, Community Health, AHS
Valerie Weinshenker, Junior, Interdisciplinary Health Sciences, AHS
(Research Mentor(s): Megan Mahoney, Veterinary Medicine & Jacob Maxon, Psychology)

74. The Influence of the Lighting Environments on Body Coloration in Bluefin Killifish (*Lucania goodei*)

Morgan Wood, Junior, Integrative Biology, LAS
(Research Mentor(s): Becky Fuller, Evolution, Ecology & Behavior & Ratna Karatgi, Evolution, Ecology & Behavior)

75. 3D Tracking in Thermal Videos to Analyze the Effects of Light Pollution on Birds

Dhruv Tomar, Sophomore, Computer Science, ENG
(Research Mentor(s): Benjamin Van Doren, Natural Resources & Environmental Sciences)

76. Unveiling Hidden Pathogens: Screening Phytoplasma in Museum-Preserved Insect Vectors to Track Host-Pathogen Associations

Chantelle Diener, Junior, Natural Resources & Environmental Sciences, ACES
(Research Mentor(s): Valeria Trivellone, Prairie Research Institute & Christopher Dietrich, Prairie Research Institute)

PI Session - Science & Technology

10:45 AM – 12:00 PM, Illini Rooms ABC & South Lounge

78. A Glimpse Into General Relativity

Agastya Gaur, Sophomore, Astrophysics, LAS
(Research Mentor(s): Indranil Das, Physics)

79. Applying Physics-Informed Neural Networks to the Thermophysical Modeling of Asteroids

Luo Zhou, Freshman, Astrophysics, LAS
(Research Mentor(s): Bhaskar Mondal, Aerospace Engineering)

80. Current Stabilization for a Neutral Atom Quantum Computing Platform

Dominick Cappetta, Senior, Physics, ENG
(Research Mentor(s): Narisak Hiri-o-tuppa, Physics & Jacob Covey, Physics)

81. Designing of Needle Insertion Experimental Setup to Test Soft Solid Polymers

Neil Maushard, Sophomore, Mechanical Engineering, ENG
(Research Mentor(s): Sri Sridhar, Mechanical Science & Engineering & Shelby Hutchens, Mechanical Science & Engineering)

82. Developing a Preprocessing Metacognitive System in Machines

Naavya Shetty, Sophomore, CS + Philosophy, LAS
(Research Mentor(s): Ioan Muntean, Philosophy)

83. Does GPT Know What You're Looking At?

Zory Zhang, Senior, Mathematics & Computer Science, LAS
(Research Mentor(s): Hokin Deng, Carnegie Mellon University)

84. Embedded Thin Elastic Fibers in Viscoplastic Fluids

Mihika Dutt, Sophomore, Mechanical Engineering, ENG
(Research Mentor(s): Randy Ewoldt, Mechanical Science & Engineering)

85. Exploring the Temporal Spread of Antibiotic Resistance Within Piglets Following Antibiotic Treatment

Sanjana Jose, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Saralexis Torres, School of Information Science & Rachel Whitaker, Microbiology)

86. Hierarchical Machine Learning for Real-Time Anomaly Detection of Astronomical Transients

Arjun Chainani, Freshman, Computer Engineering, ENG
(Research Mentor(s): Gautham Narayan, Astronomy & Amanda Wasserman, Astronomy)

87. L1448: Three Polarization Types in One Source

Szygy Butte, Senior, Astronomy, LAS
(Research Mentor(s): Leslie Looney, Astronomy)

88. Magnetic Fields in the L1551 Star-Forming Region

Reid Faistl, Junior, CS + Astronomy, LAS
(Research Mentor(s): Leslie Looney, Astronomy)

89. Measuring Submicron Thermal Patterns From Gold Nanoparticles Using Wavefront Microscopy

Reena Baswa, Freshman, Physics, ENG
(Research Mentor(s): Claire West, Chemistry)

90. Multiple-Nanowire Superconducting Quantum Interference Devices: Classification, Symmetries, and Vorticity Stability Regions

Cliff Sun, Sophomore, Physics, ENG
(Research Mentor(s): Alexey Bezryadin, Physics)

91. Near Earth Asteroid Phase Angle Research at Yerkes Observatory

Michelle Giovacchini, Senior, Astronomy, LAS
(Research Mentor(s): Tyler Linder, Planetary Science Institute & Amanda Bauer, Yerkes Observatory)

92. Neural Population Dynamics and Predictive Models of Sound Localization

Sharika Kottapalli, Senior, Brain & Cognitive Science, LAS
(Research Mentor(s): Howard Gritton, Bioengineering & Oliver Qu, Bioengineering)

93. Adversarial Attacks in Generating Counterfactual Biased Responses in Language Models

Kavya Krishnamurthy, Freshman, CS + Linguistics, LAS
(Research Mentor(s): Isha Chaudhary, Computer Science)

94. Stable Isotope Signatures of Water Vapor in Palau: Insights Into Wind Direction and Moisture Transport Pathways

Sofie Rank, Senior, Geology, LAS
(Research Mentor(s): Jessica Conroy, Earth Science & Environmental Change)

95. Synthesis and Characterization of Mixed Conductors for Sustainable Energy Conversion

Yoav Malka, Senior, Materials Engineering, ENG
(Research Mentor(s): Nicola Helen Perry, Materials Science & Engineering)

96. Treatment of a Mouse Model of ALS by CRISPR Base Editing

Eileen Tseng, Junior, Bioengineering, ENG
Maraal Mostofi Ashtiani, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Thomas Gaj, Bioengineering & Najah Ahsan, Bioengineering)

PJ-1 Session - Social Science & Human Behavior

10:45 AM - 12:00 PM, Illini Rooms ABC & South Lounge

98. A Culture-Specific Therapy Program for Individuals With Anxiety Disorders in South India

Samhita Periyanyaham, Sophomore, Psychology, LAS
(Research Mentor(s): V. N. Vimal Rao, Statistics)



99. Accepting Uncertainty Depends on the Curriculum

Samin Hemani, Sophomore, Information Systems, BUS
Madeline Hunt, Junior, Psychology, LAS
(Research Mentor(s): V. N. Vimal Rao, Statistics)

100. Asian International Students' Descriptions of Loss of Face: Why Contexts Matter

Mia Nieto, Senior, Psychology, LAS
(Research Mentor(s): Carla Hunter, Psychology)

101. Association Between Traditional Gender Roles and Individuals' Likelihood to Engage in Bystander Behavior

Jacqueline Kent, Freshman, Sociology, LAS
(Research Mentor(s): Rachel Garthe, Social Work & Apoorva Nag, Psychology)

102. Building Inclusive Campuses: Evaluating the Current Availability of Neurodivergent Supports at the University Level

Grace Pfeiffer, Junior, Plant Biotechnology, ACES
Timothy Gonzalez, Junior, Computer Science, ENG
Anna Jackson, Junior, Astronomy, LAS
Cameron Anderson, Junior, Aerospace Engineering, ENG
Tony Sotnick, Junior, Engineering Technology & Management for Agricultural Systems, ACES
(Research Mentor(s): Kim Patton, Human Development & Family Studies & Jeanne Kramer, Human Development & Family Studies)

103. Child Marriage and Later Life Outcomes in Sub-Saharan Africa: Evidence From Climate-Induced Variation

Ashrita Mohanty, Junior, Econometrics & Quantitative Economics, LAS
(Research Mentor(s): Abigail Stocker, Economics & Joshua Shea, Economics)

104. Chasing Success or Avoiding Failure? Decision-Making in the Shadow of Others

Simon Wesenberg, Senior, Psychology, LAS
(Research Mentor(s): Jared Hotaling, Psychology)

105. Discourse Analysis on FIRE Movements in China: Comparing Middle-Class and Working-Class Advocates

Ruohan Pan, Freshman, Sociology, LAS
(Research Mentor(s): Zhilan Fang, University of Wisconsin, Madison & Fabien Accominotti, University of Wisconsin, Madison)

106. Does Group Framing Shift Perceptions of Experience and Agency

Jocelin Ramos, Freshman, Psychology, LAS
Erin Kim, Freshman, Brain & Cognitive Science, LAS
Kaden Hisanaga, Freshman, Psychology, LAS
Alaya Johnson, Freshman, Psychology, LAS
Lauren Casey, Junior, Psychology, LAS
Isabella Kluesner, Sophomore, Psychology, LAS
Miguel Miranda, Sophomore, Psychology, LAS
Amy Perez, Junior, Political Science & Psychology, LAS
Yuhe Liu, Freshman, Psychology, LAS
Stephany Serna, Junior, Psychology, LAS
(Research Mentor(s): Chadly Stern, Psychology & Yarden Ashur, Psychology)

107. Examination of Public Trust in Scientists

Julia Wilkinson, Junior, Accountancy + Data Science, BUS
Julia Spainhour, Junior, Natural Resources & Environmental Sciences, ACES
Elizabeth Rodriguez, Junior, Communication, LAS
 (Research Mentor(s): Sarah Benevento, Communication & Cabral Aziza Bigman-Galimore, Communication)

108. Examining How Family Law Attorneys Screen for Intimate Partner Violence and Consider Child Wellbeing

Itzel Barraza, Junior, Human Development & Family Studies, ACES
 (Research Mentor(s): Jennifer Hardesty, Human Development & Family Studies & Emily Charvat, Human Development & Family Studies)

109. Hidden in Plain Sight: Identifying Characteristics of Rising Compassion Fatigue Among Healthcare Workers

Alan Oliva, Junior, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Rachel Hoopsick, Health & Kinesiology)

110. Recognizing the Robot: How AI Source Attribution Modulates Assessment of Political Misinformation

Kaitlyn Cicatello, Senior, Political Science, LAS
 (Research Mentor(s): Aleksander Ksiazkiewicz, Political Science)

111. How Does Framing Affect Sympathy Toward Groups?

Claire Yung, Sophomore, Psychology, LAS
Riley Hernandez, Sophomore, Psychology, LAS
Lina Kim, Freshman, Psychology, LAS
Emily Klemens, Freshman, Psychology, LAS
Allyson Klinko, Freshman, Psychology, LAS
Rebekah Knitter, Freshman, Psychology, LAS
Thunchanok Phunratanamala, Freshman, Psychology & Neuroscience, LAS
Isabella Mason, Freshman, Psychology & Sociology, LAS
Isabella Ramirez, Freshman, Psychology, LAS
 (Research Mentor(s): Chadly Stern, Psychology & Yarden Ashur, Psychology)

112. Identifying Profiles of Risky and Protective Sensation Seeking Based on Links With Mental Health and Well-Being

Iskra Shtereva, Junior, Human Development & Family Studies, ACES
 (Research Mentor(s): D. A. Briley, Psychology)

113. Meta-Analysis of Racial/Ethnic Stereotype Threat Effects by Manipulation Type

Dylan Riemen, Senior, Psychology, LAS
Madi Denka, Senior, Psychology, LAS
 (Research Mentor(s): Tasha Holden, Psychology & Gabe Tanenbaum, Psychology)

114. More Memorable Scenes and Faces Are Encoded Better and Forgotten Slower

Anagha Dangi, Senior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Belgin Unal, Psychology & Aaron Benjamin, Psychology)

115. Operationally and Sustainably Strategizing to Scale Student-Founded Non-Profits

Rhea Dcosta, Sophomore, Finance + Data Science, BUS
Raj Thadani, Sophomore, Finance, BUS
Olivia Sheehan, Junior, Accountancy, BUS
Sam Cocagne, Junior, Accountancy, BUS
Vanessa Mejorado, Junior, Finance, BUS
 (Research Mentor(s): James Noonan, Business Administration)

116. Sense of Belonging in Higher Education

Naomi Abraham, Junior, Psychology, LAS
 (Research Mentor(s): Taiyler Rayford, Education Psychology)

117. Understanding Consumer Interactions With Product Transparency Apps (PTAs) Using the Persuasion Knowledge Model

Alina Huang, Sophomore, Communication, LAS
 (Research Mentor(s): Veranika Paltaratskaya, Advertising)

118. 101 Ways to Say "I'm Sorry"

Hannah Fosnaugh, Junior, Political Science, LAS
 (Research Mentor(s): Deli Yang, Political Science)

119. When Caring Takes its Toll: Psychological Hardiness as a Buffer Against Compassion Fatigue

Isidora Kostic, Junior, Psychology, LAS
 (Research Mentor(s): Rachel Hoopsick, Health & Kinesiology)

PJ-2 Session - Design Thinking & Innovation

10:45 AM - 12:00 PM, Illini Rooms ABC & South Lounge

121. A 77-81 GHz GaN MMIC Amplifier for Automotive Radar Transmitters

Dhruv Dilbaghi, Junior, Electrical Engineering, ENG
 (Research Mentor(s): Can Bayram, Electrical & Computer Engineering)

122. Analyzing the Impact of a Science Learning Simulation on Student Collaboration

Arunima Suri, Sophomore, CS + Education, EDU
Jacob Sobel, Senior, Learning & Education Studies, EDU
Ellen Min, Freshman, Brain & Cognitive Science, LAS
Navomi Byju, Junior, Computer Science, ENG
Helen Ryding, Junior, Computer Science, ENG
 (Research Mentor(s): Jina Kang, Curriculum and Instruction & Robin Jephthah Rajarathinam, Curriculum and Instruction)

123. Argumentative Writing With Generative AI to Learn From Texts: Balancing the Benefits and Costs of Practice vs. Effort Reduction for Post-Secondary Students

Madalyn Ingolia, Senior, Psychology, LAS
Christopher George, Senior, Bioengineering, ENG
 (Research Mentor(s): Jennifer Cromley, Educational Psychology)

124. Assessing the Impacts of the Zettelkasten Method on Engineering Design: A Case Study of Rural Water Infrastructure

Bethany Reed, Freshman, Agricultural & Biological Engineering, ENG
Ada Haner, Freshman, Agricultural & Biological Engineering, ENG
Dhruithi Mahesh, Freshman, Mechanical Engineering, ENG
 (Research Mentor(s): Connor Lasalle, Agricultural & Biological Engineering)

125. Can Using AI Tools To Do Statistics Broaden Participation in STEM?

Bhuvan Kala, Junior, Mathematics, LAS

Sanjana Gongati, Junior, Statistics, LAS

(Research Mentor(s): V. N. Vimal Rao, Statistics & Laura Bandi, Psychology)

126. Design Considerations for Assistive Robots in Orientation and Mobility: Insights From Subject Matter Experts

Anjali Ramesh, Junior, Brain & Cognitive Science, LAS

(Research Mentor(s): Wendy Rogers, Health & Kinesiology & Mimi Trinh, Health & Kinesiology)

127. Designing for Engagement in Computer-Simulated Learning Environments

Navomi Byju, Junior, Computer Science, ENG

Helen Ryding, Junior, Computer Science, ENG

Jacob Sobel, Senior, Learning & Education Studies, EDU

Ellen Min, Freshman, Brain & Cognitive Science, LAS

Arunima Suri, Sophomore, CS + Education, EDU

(Research Mentor(s): Jina Kang, Curriculum & Instruction & Chris Palaguachi, Educational Psychology)

128. Developing a Guided Mixed-Reality (MR) Simulator for Neonatal Needle Thoracentesis Procedures

Vihaan Khare, Senior, Industrial Engineering, ENG

Helen Ryding, Junior, Computer Science, ENG

Tristan Price, Junior, Statistics, LAS

(Research Mentor(s): Avinash Gupta, Industrial and Enterprise Systems Engineering)

129. Development of Wound-Dressing Robot

Annika Srinivasan, Senior, Mechanical Engineering, ENG

(Research Mentor(s): Henny Admoni, Carnegie Mellon & Zackory Erickson, Carnegie Mellon)

130. Embedding an Assistive Robot in a Life Plan Community — Designing to Optimize User Experience

Shuoning Shi, Senior, Industrial Design, FAA

(Research Mentor(s): Wendy Rogers, Health & Kinesiology & Olatunji Samuel, Health & Kinesiology)

131. Enhancing UI/UX Evaluation Through Structured Feedback: A Miro-Based Approach for Educational Simulations

Ellen Min, Freshman, Brain & Cognitive Science, LAS

Jacob Sobel, Senior, Learning & Education Studies, EDU

Arunima Suri, Sophomore, CS + Education, EDU

Helen Ryding, Junior, Computer Science, ENG

Navomi Byju, Junior, Computer Science, ENG

(Research Mentor(s): Jina Kang, Curriculum and Instruction & Chris Palaguachi, Educational Psychology)

132. Exploring Cognitive and Strategic Differences in Debugging: A Study of Novice vs. Expert Debuggers Using Custom Debugging Software

Ritvik Singal, Freshman, Computer Engineering, ENG

(Research Mentor(s): William Goss, Human Computer Interactions)

133. Fostering Curiosity and Creativity in Lower-Level Engineering Design Classes

Panos Soupos, Freshman, Mechanical Engineering, ENG

(Research Mentor(s): Kellie Halloran, Mechanical Sciences & Engineering & Keilin Jahnke, Technology Entrepreneur Center)

134. One Motor, Two Robots: Small, Steerable, Underactuated Biped Robots

Alanna Ping, Sophomore, Mechanical Engineering, ENG

Maia Ben-David, Senior, Mechanical Engineering, ENG

Neel Patel, Graduated December 2024, Mechanical Engineering, ENG
(Research Mentor(s): Justin Yim, Mechanical Science & Engineering)

135. Python-Driven Tool Path Design for Free-Form Thermoset Printing

Rohil Bose, Sophomore, Mechanical Engineering, ENG

(Research Mentor(s): Edgar Mejia, Material Science & Engineering)

136. Redesign of 1966 Ford GT40 Mk II to 2024 LMH Specifications

Keerat Singh Bhasin, Sophomore, Industrial Engineering, ENG

(Research Mentor(s): Molly Goldstein, Industrial & Enterprise Systems Engineering)

137. Technical Efficiency

Max Duzan, Sophomore, Parkland College

(Research Mentor(s): Sheryl Drake, Chemistry)

PK Session - Cells & Molecules

12:15 – 1:30 PM, Illini Rooms ABC & South Lounge

1. (m)Cherry Bomb: Exploring the Impact of a Fluorescent Tag on a Polar Protein in Chromosome Segregation

Karla Ybanez, Junior, Molecular & Cellular Biology, LAS

(Research Mentor(s): Morgan Letzkus, Microbiology & Paola Mera, Microbiology)

2. Can Dietary Fiber Ameliorate Cancer-Induced Gastrointestinal and Sickness-Like Symptoms?

William Green, Junior, Molecular & Cellular Biology, LAS

(Research Mentor(s): Brett Loman, Animal Sciences)

3. Characterizing IgM Antibody Interactions With Influenza

Isha Veerubhotla, Freshman, Computer Science + Bioengineering, ENG

(Research Mentor(s): Timothy Tan, Biophysics)

4. Cloning Techniques for Cell Biology in a Model Archaeon

Mia Mercado, Junior, Molecular & Cellular Biology, LAS

(Research Mentor(s): Rachel Whitaker, Microbiology & Abigail Finn, Molecular & Cellular Biology)

5. Fermentable Dietary Fiber Enhances Intestinal Function in Mice With Mammary Tumors

Talia Ben-Dov, Senior, Animal Sciences, ACES

(Research Mentor(s): Brett Loman, Animal Sciences)

6. Examining the Role of Siglecs in Selective Sperm Clearance Within the Porcine Oviduct

Vara Hattiangadi, Junior, Brain & Cognitive Science, LAS
(Research Mentor(s): Adrienne Antonson, Animal Sciences & Hao-Chun Fan, Animal Sciences)

7. Exploring the Function of Diadenosine Tetraphosphatases During Cold Shock Response in Diverse Bacteria

Mengwen Xiong, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Yan Zhang, Biochemistry)

8. Impacts of Treatment on the Evolution of Resistance and Population Structure Within a Chronic *Pseudomonas aeruginosa* Lung Infection

Anne-Louise Anstey, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Rachel Whitaker, Microbiology)

9. Increasing Levels of Anxiety- and Depression-Like Behaviors in an Animal Model of Multiple Sclerosis

Devanshi Shukla, Junior, Neuroscience, LAS
(Research Mentor(s): Makoto Inoue, Comparative Biosciences & Jinyan Zhou, Comparative Biosciences)

10. Investigating the Impact of Dopa Decarboxylase Mutations on Male Mouse Sexual Behavior

Ada Okolo, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Erin O'Leary, Neuroscience)

11. Investigating the Role of Orc6 PARylation in DNA Repair

Iman Mohajir, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Supriya Prasanth, Cellular & Developmental Biology & Humayra Oishi, Cellular & Developmental Biology)

12. Long-Term Dietary Exposure to Phthalates Alters the Expression of Oxidative Stress Markers in the Ovary

Taylor Seaton, Junior, Biochemistry, LAS
(Research Mentor(s): Jodi Flaws, Comparative Biosciences)

13. Optimization of MALDI-MSI Imaging of TPP Derivatized Neurotransmitters

Andrew Hamilton, Junior, Neuroscience, LAS
(Research Mentor(s): Chen Huang, Neuroscience Program & Jonathan Sweedler, Chemistry)

14. Paternal Exercise Modifies Liver Bile Acid Regulation Across Generations

Evelyn Sleezer, Sophomore, Molecular & Cellular Biology, LAS
(Research Mentor(s): Clay Weidenhamer, Health & Kinesiology & Diego Hernandez Saavedra, Health & Kinesiology)

15. Decoding Peptide Significance: A Statistical Approach to Quantifying Label-Free Mass Spectrometry

Xaylie Nicole Gray, Sophomore, Chemistry, LAS
(Research Mentor(s): Elena Romanova, Chemistry)

16. Synaptic Architecture of the Pharyngeal Nervous System of *Heterodera glycines*

Abigail Thompson, Senior, Biology, LAS
(Research Mentor(s): Nathan Schroeder, Crop Sciences & Jaeyeong Han, Crop Sciences)



17. The Role of Hypoxia-Induced Gene Expression and Their Organization Around Nuclear Speckles in Breast Cancer Cells

Krishna Agarwal, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Prasanth Kannanganattu, Cell & Developmental Biology & You Jin Song, Cell & Developmental Biology)

18. Trophoblast Invasion – Using a Tissue Engineering Approach to Light Up the Black Box

Katie Karecki, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Hannah Theriault, Bioengineering & Brendan Harley, Chemical & Biomolecular Engineering)

19. WormFindr: Automatic Segmentation of Neurons in *C. elegans*

Aashvi Busa, Sophomore, Computer Science, ENG
(Research Mentor(s): Jill Naimain, School of Information Sciences & Ellie Conklin, Neuroscience Program)

PL Session - Food, Plants & Animals

12:15 – 1:30 PM, Illini Rooms ABC & South Lounge

21. Analysis of Mitochondrial Haplotypes in Canadian Wild Foxes

Ellie Moulton, Junior, Animal Sciences, ACES
(Research Mentor(s): Anna Kukekova, Animal Sciences)

22. Avian Conservation Through Spatial Data Analysis

Sriram Natarajan, Freshman, CS + Linguistics, LAS
(Research Mentor(s): Wendy Dorman, Natural Resources & Environmental Sciences)

23. Carbon Dioxide Electro-Reduction for Food Production

Josephine Wachtveitl, Junior, Chemistry, LAS
(Research Mentor(s): Paul Kenis, Chemical & Biomolecular Engineering & Andressa Juliana Almeida Simoes, Chemical & Biomolecular Engineering)

24. Designing an Ethogram for Identifying Early-Life Behavioral Differences Between Tame and Aggressive Silver Foxes (*Vulpes vulpes*)
Jordan Williams, Senior, Animal Sciences, ACES
 (Research Mentor(s): Anna Kukekova, Animal Sciences)

25. Designing an Ethogram to Test Behavioral Responses of Tame and Conventional Foxes (*Vulpes vulpes*) to a Feeder Puzzle
Emerson Echols, Senior, Integrative Biology, LAS
 (Research Mentor(s): Anna Kukekova, Animal Sciences)

26. Effects of Feeding Hybrid Rye During the Transition Period on Energy Balance of Holstein Cows
Julianna Zubieta, Senior, Animal Sciences, ACES
 (Research Mentor(s): Phil Cardoso, Animal Sciences & Lizet Garcia, Animal Sciences)

27. Environmental DNA (eDNA) as a Tool for Early Detection of Signal Crayfish (*Pacifastacus leniusculus*) in Midwestern USA
Reagan Oller, Senior, Natural Resources & Environmental Sciences, ACES
 (Research Mentor(s): Eric Larson, Natural Resources & Environmental Science)

28. Gadusol Production in Sticklebacks: Investigating Environmental and Biological Influences
Sunera Chowdhury, Senior, Chemistry, LAS
 (Research Mentor(s): Alison Bell, Evolution, Ecology & Behavior & Kevin Neumann, Evolution, Ecology & Behavior)

29. Identification of Mutation in SWEET Genes in Sorghum by Genotyping
Nicholas Wilson, Senior, Integrative Biology, LAS
 (Research Mentor(s): Hafijur Ruman, Plant Biology & Li-Qing Chen, Plant Biology)

30. Identifying Haplotype Variants in Farm vs. Wild Populations of Red Foxes
Joseph Del Rio, Junior, Animal Sciences, ACES
 (Research Mentor(s): Jennifer Johnson, Animal Sciences & Victoria Wills, Veterinary Medicine)

31. Improving the Monitoring of Migratory Shorebirds With Bioacoustics
Ashley Huang, Junior, Computer Science, ENG
Carlene English, Senior, Natural Resources & Environmental Sciences, ACES
 (Research Mentor(s): Benjamin Van Doren, Natural Resources & Environment Science & Kate Stone, MPG Ranch)

32. Looking at the 'Vole' Picture: An Assessment of Distribution of Prairie Voles (*Microtus ochrogaster*) and Eastern Meadow Voles (*M. pennsylvanicus*) in Restored Prairies of East-Central Illinois
Simona Bernfeld, Senior, Integrative Biology, LAS
Elizabeth Binkina, Senior, Statistics, LAS
 (Research Mentor(s): Bianca Saftoiu, Natural Resources & Environmental Sciences)

33. The Effects of Agricultural Constituents on Environmental Policies in Illinois
Liesel Schrag, Senior, Earth, Society & Environmental Sustainability, LAS
 (Research Mentor(s): Constance Brown, School of Earth, Society, & Environment)

PM Session - Health & Wellness

12:15 – 1:30 PM, Illini Rooms ABC & South Lounge

35. "A Nosotros, Todos Los Latinos, El Baile Nos Gusta": A Qualitative Analysis of a Remote Latin Dance Program for Older Latinos
Daniela Pule, Sophomore, Kinesiology, AHS
Andrea Coyago, Freshman, Community Health, AHS
 (Research Mentor(s): Susan Aguiñaga, Health & Kinesiology)

36. Analyzing Food Security in College Students Taking Contemporary Nutrition
Alysha Haverkos, Sophomore, Food Science, ACES
Weiting Yang, Junior, Information Sciences + Data Science, SIS
Sheza Shaikh, Sophomore, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Toni Gist, Food Science & Human Nutrition)

37. Beyond Fitness: The Impact of Physical Education on Mental Health
Heba Rashid, Junior, Community Health, AHS
 (Research Mentor(s): Rafael Miranda Tassitano, Applied Health Sciences)

38. Connecting People, Animals, and the Environment: The Role of Community Health Workers in One Health
Jason Betancourt, Senior, Community Health, AHS
 (Research Mentor(s): Andara Schwingel, Health & Kinesiology & Ana Selzer, Health & Kinesiology)

39. Developing a Fall Detection and Management System for Wheelchair Users
Becky Shamberg, Senior, Bioengineering, ENG
 (Research Mentor(s): Andie Tangonan, Health & Kinesiology & Laura Rice, Health & Kinesiology)

40. Developing Tip Sheets for Medicare Understanding
Angel Urquiza, Freshman, Kinesiology, AHS
 (Research Mentor(s): Hye Soo, Health & Kinesiology & Wendy Rogers, Health & Kinesiology)

41. Development and Validation of a mHealth Fall Management Program
Jesiah Bradshaw, Junior, Kinesiology, AHS
 (Research Mentor(s): Laura Rice, Health & Kinesiology)

42. Diet Quality and Anxiety Symptom Severity Among College Students
Nicoletta Spiliopoulos, Junior, Brain & Cognitive Science, LAS
Anna Zlatic, Junior, Dietetics & Nutrition, ACES
Avery Schultz, Junior, Dietetics & Nutrition, ACES
Nathan Coates, Freshman, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Elizabeth Brandley, Nutritional Sciences)

43. Differences in the Relationship Between PTSD and Hazardous Drinking Among Healthcare Workers by Gender

Carson Roan, Senior, Interdisciplinary Health Sciences, AHS
(Research Mentor(s): Rachel Hoopsick, Health & Kinesiology)

44. Dona Francisca Health Study

Saaniya Makandar, Junior, Econometrics & Quantitative Economics, LAS
(Research Mentor(s): Daniela Fontes, Economics & Andi Shwingel, Health & Kinesiology)

45. Effects of Juvenile Nutrition on Reproductive Diapause Expression in the Northern House Mosquito (*Culex pipiens*)

D.J. Thomas, Senior, Integrative Biology, LAS
(Research Mentor(s): Andrew Mackay, Illinois Natural History Survey & Christopher Stone, Illinois Natural History Survey)

46. Effects of Exercise-Induced Plasma-Derived Extracellular Vesicles on Adult Neurogenesis, Astroglialgenesis, and Microvascular Density in the Hippocampus

Prithika Ravi, Senior, Brain & Cognitive Science, LAS
(Research Mentor(s): Justin Rhodes, Psychology & Meghan Connolly, Neuroscience Program)

47. Evaluating the Relationship Between Fecal Microbiome, Microbial-Derived Metabolites, and Inflammatory Markers in Adults With Overweight and Obesity

Diya Shah, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Maria Sanabria Veaz, Food Science & Human Nutrition & Hannah Holscher, Food Science & Human Nutrition)

48. Examining the Relationship Between Neighborhood Disadvantage and Breast Cancer Outcomes: A Literature Review

Hannah McGee, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Hannah Heath, Food Science & Human Nutrition & Zeynep Madak-Erdogan, Food Science & Human Nutrition)

49. A Survey Study of US Audiologists' Assessment of Hearing in Noise

Audrey Arlis, Junior, Speech & Hearing Science, AHS
(Research Mentor(s): Ian Mertes, Speech & Hearing Science)

50. How Cognitive Appraisal Shapes the Anxiety-Working Memory Link After Exercise

Aubrey Cervantes, Senior, Kinesiology, AHS
Liz Martinez, Senior, Kinesiology, AHS
(Research Mentor(s): Steven Petruzzello, Health & Kinesiology)

51. Immersive Virtual Reality (VR) for Low-Sodium Dietary Education and Grocery Shopping for Hemodialysis Patients

Haley Neudorf-Alshanski, Junior, Kinesiology, AHS
(Research Mentor(s): Kaitlyn Pawelczyk, Nutritional Sciences)

52. Impact of Late Bedtime on Sleep, Physical Activity, and Sedentary Behavior in Older Adults

Max Zagorski, Sophomore, Interdisciplinary Health Sciences, AHS
(Research Mentor(s): Rafael Miranda Tassitano, Health & Kinesiology)

53. Increased Folate Consumption in School-Aged Children Is Associated With Improved Performance on a Spatial Memory Task

Allanah Martin, Senior, Nutrition & Health, ACES
(Research Mentor(s): Ajla Bristina, Applied Health Sciences & Naiman Khan, Applied Health Sciences)

54. Intranasal Insulin Prevents Postoperative Cognitive Deficits in a Mouse Model of Hippocampal Aging

Akshita Kendai, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Uwe Rudolph, Comparative Biosciences & Rajasekar Nagarajan, Comparative Biosciences)

55. Investigating the Impact of the MIND Diet on Cardiovascular Health and Adiposity Measures in Middle-Aged Adults

Jonathan Nguyen, Junior, Molecular & Cellular Biology, LAS
Ray He, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Shreya Verma, Health & Kinesiology)

56. Leveraging Artificial Intelligence to Identify Rural Illinois Towns in Need of Diabetes-Focused Telehealth Services

Aishi Tulasaku, Junior, Interdisciplinary Health Sciences, AHS
(Research Mentor(s): John Vozenilek, Health Care Systems Engineering Center)

57. Modeling Fragile X Syndrome Using the Izhikevich Model of a Neuron

Arjun Vaidya, Senior, Physics, ENG
(Research Mentor(s): Benjamin Auerbach, Beckman Institute & David Gauthier, Beckman Institute)

58. Polygenic Risk Estimation and Data Integration for Cardiac Threats in Stroke Survivors

Riya Kapoor, Sophomore, Political Science, LAS
Pujan Vyas, Sophomore, Neuroscience, LAS
Agilan Saminathan, Freshman, Molecular & Cellular Biology, LAS
Ameera Taiwo, Junior, Chemistry, LAS
Aedan Cruz, Freshman, Biology, LAS
Ashley Burnidge, Freshman, Psychology, LAS
Rahee Patel, Freshman, Finance + Data Science, BUS
Gurneer Sidhu, Freshman, Molecular & Cellular Biology, LAS
(Research Mentor(s): Paul Nguyen, Sudden Cardiac Death-Awareness Research Foundation)

59. Spices and Herbs: Combining Taste, Health, and Cultural Inclusivity

Elenna Claudio-Deutsch, Senior, Interdisciplinary Health Sciences, AHS
(Research Mentor(s): Minakshi Raj, Health & Kinesiology)

60. Square-Stepping Exercise in Older Adults: The Impact of Exercise Conditions on Intensity

Charles Gentle, Freshman, Kinesiology, AHS
(Research Mentor(s): Emerson Sebastiao, Health & Kinesiology)

61. The Impact of COVID-19 on Hypertension Management and Cardiovascular Outcomes in Vulnerable Populations: A Multi-Dataset Analysis

Christopher George, Senior, Bioengineering, ENG
Govind Balakrishnan, Junior, Bioengineering, ENG
Rian Wasniewski, Freshman, Biochemistry, LAS
Ravi Shah, Freshman, Bioengineering, ENG
Daania Bhatti, Sophomore, Integrative Biology, LAS
Evelina Chiambas, Junior, Interdisciplinary Health Sciences, AHS
Rishi Atreya, Junior, Bioengineering, ENG
Rohita Muralidaran, Freshman, Biology, LAS
Kristina Tomanov, Junior, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Paul Nguyen, Sudden Cardiac-Death Awareness Research Foundation)

62. The Interplay Between Sports Participation and Feelings of Sadness, Loneliness, and Stress Among High School Students in Brazil
Adeola Olaleye, Sophomore, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Rafael Tassitano, Health & Kinesiology & Ramat Sarbah, Health & Kinesiology)

63. The Role of Aryl Lactates in Brown Adipose Tissue Activation and Weight Regulation in Mice
Lucinda Griffith, Senior, Integrative Biology, LAS
Kelly Shin, Junior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Jacob Allen, Health & Kinesiology & Mikaela Kasparek, Nutritional Sciences)

64. The Role of Assistive Robots in Supporting Older Adults With Mild Cognitive Impairment
Esther Cardenas, Junior, Psychology, LAS
 (Research Mentor(s): Wendy Rogers, Applied Health Sciences & Samuel Olatunji, Applied Health Sciences)

65. The Role of Health Apps in Reducing Healthcare Costs
Brandon Huanca-Camargo, Junior, Kinesiology, AHS
Alex Arango, Junior, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Chung-Yi Chiu, Applied Health Sciences & Mojtaba Khaliji, Applied Health Sciences)

66. The Role of Healthy Neuroticism in Physical Activity Participation: Examining the Interaction Between Neuroticism and Conscientiousness
Farheen Ahmed, Senior, Kinesiology, AHS
 (Research Mentor(s): Steven Petruzzello, Health & Kinesiology & Jonathan North, Health & Kinesiology)

67. The Role of Physical Therapy in Mediating Movement Behaviors and Body Composition in Children With Cerebral Palsy
Rachel Divan, Freshman, Kinesiology, AHS
 (Research Mentor(s): Rafael Tassitano, Health & Kinesiology)

PN Session - Science & Technology

12:15 - 1:30 PM, Illini Rooms ABC & South Lounge

70. A Clean List of Bright RR Lyrae Stars in the Galactic Field
Zoe Surles, Senior, Astronomy + Data Science, LAS
 (Research Mentor(s): Kirill Sokolovskii, Astronomy)

71. A Machine Learning Driven Approach to Real-Time EEG Assessment of Motor Cortex Engagement in Rehabilitation
Lauren Nguyen, Sophomore, Neural Engineering, ENG
Abhinav Bachu, Sophomore, Molecular & Cellular Biology, LAS
Krrish Ganesh, Freshman, Computer Science + Linguistics, LAS
Ocean Ng, Freshman, Computer Science, ENG
Shikha Reddy, Freshman, Brain & Cognitive Science, LAS
 (Research Mentor(s): Yuan Yang, Bioengineering)

72. Adaptations in Shoulder and Upper Trapezius Muscle Elasticity to Manual Wheelchair Use
Jack Taylor, Senior, Kinesiology, AHS
 (Research Mentor(s): Joshua Leonardis, Health & Kinesiology)

73. Advancing AI-Driven FDK (Fusarium Damaged Kernel) Detection: From Feature Extraction to Disease Risk Prediction
Seung Wook Yoon, Freshman, CS + Crop Sciences, ACES
 (Research Mentor(s): Jessica Rutkoski, Crop Sciences & Sunoj Shajahan, Agricultural & Biological Engineering)

74. Applications of Brain Computer Interface Integration Into Virtual Reality for Stroke Rehabilitation
Phineas Sears, Freshman, Neural Engineering, ENG
 (Research Mentor(s): Ilber Manavbasi, Health & Kinesiology)

75. Applications of the Particle Filter Algorithm in Robotics Localization
Haochen Ding, Sophomore, Computer Engineering, ENG
 (Research Mentor(s): Ram Padmanabhan, Coordinated Science Laboratory)

76. Assessing the Impact of Virtual Reality on Surgeons Mental Models of Complex Congenital Heart Cases
Ashley Tran, Senior, Bioengineering, ENG
Nina Soofi, Senior, Bioengineering, ENG
Brendan O'Rourke, Senior, Bioengineering, ENG
Michelle Zeng, Junior, Bioengineering, ENG
 (Research Mentor(s): Jenny Amos, Bioengineering & Eliot Bethke, Bioengineering)

77. Assessment of Image Registration Methods to Map Skeletal Muscle Deformations During Contractions
Evelyn Bombard, Senior, Aerospace Engineering, ENG
 (Research Mentor(s): Bruce Damon, Bioengineering & Roberto Guzman, Carle Health)

78. Automated Data Mapping in Scalable Software Frameworks for Processing-Using-Memory Architectures
Nandini Rao, Sophomore, Computer Engineering, ENG
 (Research Mentor(s): Saugata Ghose, Siebel School of Computing and Data Science)

79. CalimFlow: A Python-Based Computational Framework for Efficient and Flexible Neural Tissue Simulation in Calcium Imaging
Michael Lyakerman, Freshman, Bioengineering, ENG
 (Research Mentor(s): Howard Gritton, Comparative Biosciences & Bo Yuan, Comparative Biosciences)

80. Determining Hairy Root Transformation Efficiency in Three Tomato Varieties

Kevin Rattin, Junior, Plant Biotechnology, ACES
(Research Mentor(s): Sarah Hind, Crop Science & Justin Larkin, Crop Science)

81. Developing a Scalable Cognitive-Motor Training App to Promote Physical Activity

Blessing Nkezea, Senior, Psychology, LAS
(Research Mentor(s): Sean Mullen, Health & Kinesiology)

82. Development of a Broadband Optical Testbed for CMB and Line-Intensity Mapping Instruments

Veronica Hoffman, Junior, Astronomy + Data Science, LAS
(Research Mentor(s): Jeff Filippini, Physics)

83. Effect of Increased Glycine Decarboxylase Expression on Social Preference and Working Memory

Yuanyuan Cheng, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Maltesh Kambali, Comparative Bioscience & Uwe Rudolph, Comparative Bioscience)

84. Effect of Particulate Fouling on Heat Exchanger Performance

Aanvi Gaur, Junior, Mechanical Engineering, ENG
(Research Mentor(s): Nenad Miljkovic, Mechanical Engineering & Saif Al Afsan Shamim, Mechanical Engineering)

85. Effects of High Fiber Diet on Bile Acid Metabolism, and its Effects on HCC Incidence Rates

Anel Reinoso, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Sayeepriyadarshini Anakk, Molecular & Integrative Physiology)

86. Enhancing Keyframe Extraction in Lecture Videos Using Optical Flow

Sunwoo Baek, Senior, CS + Chemistry, LAS
Supia Park, Senior, Computer Science, ENG
(Research Mentor(s): Lawrence Angrave, Siebel School Computer & Data Science)

87. Evaluating the RICH Detector's Performance in Particle Identification for the COMPASS Experiment

Reena Baswa, Freshman, Physics, ENG
(Research Mentor(s): Athira Vijayakumar, Physics)

88. Exploring the Impact of Cerebellar Atrophy Patterns in Primary Progressive Aphasia Neuropathology

Nayana Ramesh, Junior, Biochemistry, LAS
(Research Mentor(s): Elena Barbieri, Northwestern University)

89. Fabrication and Characterization of Regular and Magneto-Active Soft Materials

Dongheon Lee, Junior, Engineering Mechanics, ENG
(Research Mentor(s): Xiaojia Shelly Zhang, Civil & Environmental Engineering & Rahul Dev Kundu, Civil & Environmental Engineering)

90. Developing ECG Signal Processing Techniques for Noise Suppression in Wearable Devices

Krishna Unnam, Freshman, Bioengineering, ENG
Sumayyah Ismail, Freshman, Bioengineering, ENG
Arya Thirodira, Sophomore, Bioengineering, ENG
Adi Kewallram, Freshman, Computer Science + Bioengineering, ENG
Akshay Baid, Freshman, Bioengineering, ENG
(Research Mentor(s): Jenny Amos, Bioengineering)

91. Improving Fiji's Purify Step for Removing Small Pores in Cortical Bone

Drew Gura, Junior, Bioengineering, ENG
(Research Mentor(s): Mikayla Hoyle, Mechanical Science & Engineering & Mariana Kersh, Mechanical Science & Engineering)

92. Investigating Therapeutics Pathways for Improving Biocompatibility of Triphasic Rotator Cuff Scaffolds

Caleigh Arentsen, Junior, Bioengineering, ENG
(Research Mentor(s): Kyle Timmer, Chemical & Biomolecular Engineering & Brendan Harley, Chemical & Biomolecular Engineering)

93. Label-Free Biophysical Profiling of White Matter Myeloarchitecture in a Traumatic Brain Injury and Alzheimer's Model Using Spatial Light Interference Microscopy

Cindy Chen, Sophomore, Neural Engineering, ENG
Anh Nguyen, Centennial High School
(Research Mentor(s): Catherine Best-Popescu, Bioengineering & Jorge Maldonado, Bioengineering)

94. Linear and Non-Linear Ultrasonic Nondestructive Evaluation for the Characterization of Laser Powder Bed Fusion Stainless Steel 316L

Catalina Sophia Murga, Junior, Engineering Mechanics, ENG
(Research Mentor(s): Kathryn Matlack, Mechanical Science & Engineering & Seyda Islam Emu, Mechanical Science & Engineering)

95. Managing Diabetes in Adults With Food-Insecurity: A Systematic Review of mHealth Nutrition Interventions

Kaitlyn O'Brien, Senior, Interdisciplinary Health Sciences, AHS
(Research Mentor(s): Kristen DiFilippo, Health & Kinesiology & Rafael Guimarães, Health & Kinesiology)

96. Mitigating Physical Activity Risks Through Identifying Muscle Fatigue in sEMG Data

Avni Varshney, Sophomore, Bioengineering, ENG
Monishka Rastogi, Sophomore, Bioengineering, ENG
Chris Xu, Freshman, Computer Science + Bioengineering, ENG
Amar Sheth, Freshman, Computer Science, ENG
Vatsel Srivastava, Freshman, Computer Science + Bioengineering, ENG
(Research Mentor(s): Jenny Amos, Bioengineering)

97. Modeling Dark Matter Profiles via Strong Gravitational Lensing of the Type Ia Supernova iPTF16geu

Ray Liang, Sophomore, Astrophysics, LAS
(Research Mentor(s): Alfred Amruth, University of Hong Kong & Jeremy Lim, University of Hong Kong)

98. Novel RNA Interference Method for *Apis mellifera*

Hadley Lindbom, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Gene Robinson, Institute for Genomic Biology & Tianfei Peng, Institute for Genomic Biology)

99. Optimizing MALDI Matrix Application for Improved Alzheimer's Disease Analysis

Brian Rettig, Senior, Biology, LAS
(Research Mentor(s): Timothy Trinklein, Chemistry & Jonathan Sweedler, Chemistry)

100. Optimizing Speech-to-Text Tool With WebSockets and Whisper for Enhanced Real-Time Transcription

Jiamu Wang, Junior, Computer Science, ENG
Derin Sozen, Junior, Computer Science, ENG
Himnish Jain, Senior, Computer Science, ENG
(Research Mentor(s): Lawrence Angrave, Computer Science & Colin Lualdi, Physics)

101. Phase Space Evolution in the Neutron Lifetime Measurements for the UCN τ Experiment via Monte Carlo Simulations

Ci-You Huang, Junior, Physics, ENG
(Research Mentor(s): Chen-Yu Liu, Physics)

102. Analysis of Protostellar Binary/Multiple Outflows

Ryan Sponzilli, Sophomore, Astronomy + Data Science, LAS
(Research Mentor(s): Leslie Looney, Astronomy)

103. Robust Computation of Diffusion Tensor Imaging to Improve Estimations of Muscle Architecture

Vedant Thakar, Junior, Mechanical Engineering, ENG
Evelyn Bombard, Senior, Aerospace Engineering, ENG
(Research Mentor(s): Bruce Damon, Bioengineering & Roberto Guzman, Stephens Family Clinical Research Institute)

104. Studying the Deposition of AgCl on Ag Quasi-Reference Electrodes With Scanning Electron Microscopy, Energy Dispersive X-Ray Spectroscopy, and Electrochemistry

Pramod Prabhu, Senior, Chemistry, LAS
(Research Mentor(s): Mei Shen, Chemistry)

105. Testing an Ultra Thin Polyethylene Window for the Terahertz Intensity Mapper

Thach Dang, Freshman, Physics, ENG
Suvinay Goyal, Junior, Astrophysics, LAS
(Research Mentor(s): Joaquin Vieira, Physics & Jeff Filippini, Physics)

106. The Power of Friendship: Analyzing Leadership and Adversarial Attacks in Multi-Agent Collaboration

Jehyeok Yeon, Junior, CS + Linguistics, LAS
(Research Mentor(s): Lawrence Angrave, Siebel School of Computing and Data Science)

PO Session - Society, Culture & Social Issues

12:15 - 1:30 PM, Illini Rooms ABC & South Lounge

108. Art: In and Through Our World

Chloe White, Senior, Art Education, FAA
(Research Mentor(s): Jennifer Bergmark, Art Education)

109. Balancing Ambition and Commitment: The Impact of Career Aspirations on Gen Z College Relationships

Annabelle Lu, Senior, Psychology, LAS
(Research Mentor(s): Michael Lotspeich-Yadao, Health & Kinesiology)

110. Bus Psychology: The Unique Sit Stand Behavior of Gen Z

Madison King, Freshman, Psychology, LAS
(Research Mentor(s): V. N. Vimal Rao, Statistics)

111. Candidate Differentiation Between Political Parties

Lilly Griffith, Senior, Political Science, LAS
(Research Mentor(s): Jeffery Mondak, Political Science)

112. Category Judgments of Gender-Stereotyped Targets

Esther Spreadbury, Sophomore, Psychology, LAS
(Research Mentor(s): Bill Silvia, Psychology)

113. Champaign County Profile of Black American

Jaeda Thompson, Senior, Interdisciplinary Health Sciences, AHS
(Research Mentor(s): Sharde Smith, Human Development & Family Studies & Anisa Codamon, Human Development & Family Studies)

114. Growing Up With Spanish in the U.S.: An Analysis of Family Language Policies and Their Role on Language Use and Perceived Value

Amanda Li, Junior, Linguistics, LAS
(Research Mentor(s): Sara Castro Cantú, Spanish & Portuguese)

115. Fabric of Identity: The Hijab's Influence on Self-Perception and Social Interaction Among Muslim Women in the United States

Zoë Newman-Payne, Senior, Psychology, LAS
(Research Mentor(s): Asena Karipek, Sociology)

116. Family Law Attorneys' Representation of IPV Survivors: Navigating Societal Expectations of Mothers

Kahlan Zwonitzer, Junior, Human Development & Family Studies, ACES
(Research Mentor(s): Jen Hardesty, Human Development & Family Studies & Emily Charvat, Human Development & Family Studies)



117. *Far Right or Far From Right*

Samantha Macek, Freshman, Recreation, Sport & Tourism, AHS
(Research Mentor(s): Monika Stodolska, Recreation, Sport, & Tourism
& Joelle Soulard, Recreation, Sport, & Tourism)

118. *From White Trains to Unmarked Trucks: Secrecy, Infrastructure, and Power in US Nuclear Transport 1945–Present*

Rachel Loftus, Senior, Geography & Geographic Information Science, LAS
(Research Mentor(s): Gyudae Kim, Geography & Geographic Information Science)

119. *Gender Parity Quotas and Women's Efficacy in Latin America*

Nathan Knoll, Senior, Political Science, LAS
(Research Mentor(s): Damarys Canache, Political Science)

120. *Identity Demographic Form Study*

Heaven Velez, Senior, Psychology, LAS
(Research Mentor(s): Brenda Straka, Psychology & Alexis Morales, Psychology)

121. *Identity in the Art Classroom*

Diamond Jackson, Senior, Art Education, FAA
(Research Mentor(s): Jennifer Bergmark, Art Education)

122. *Predictors of Protectionism*

Adithya Vuruputoor, Senior, Econometrics & Quantitative Economics, LAS
Bhargav Sampathkumaran, Senior, Computer Science + Economics, LAS
(Research Mentor(s): Greg Howard, Economics)

123. *Public Housing and Mental Health in Vermilion County: A Comprehensive Look at the Relationship*

Ariel Gosser, Kenneth D. Bailey Academy High School
Jalisa Pope, Kenneth D. Bailey Academy High School
D'Angel Coleman, Kenneth D. Bailey Academy High School
Destiny Baugh, Kenneth D. Bailey Academy High School
(Research Mentor(s): Amy Leman, Agricultural Leadership, Education & Communications & Rachel Jackson, Human Development & Family Studies)

125. *Spatial Determinants of Brazil's Federal Housing Program: An Empirical Study of Minha Casa, Minha Vida*

Ashrita Mohanty, Junior, Econometrics & Quantitative Economics, LAS
Noel Feller, Senior, Econometrics & Quantitative Economics, LAS
(Research Mentor(s): Daniela Alonso Fontes, Economics)

126. *The Effects of Older Adult Living Conditions and Their Mental Health*

Ramsey El Lethy, Senior, Econometrics & Quantitative Economics, LAS
Ethan Chen, Senior, Econometrics & Quantitative Economics, LAS
(Research Mentor(s): Daniela Alonso Fontes, Economics)

127. *'Pierogi in the Mouth': Language and Identity Among Polish American Undergraduates at the University of Illinois Urbana-Champaign*

Nicole Kubecki, Senior, History, LAS
(Research Mentor(s): Joseph Andrew Coyle, Anthropology)

128. *The Experience of Latinas Navigating School Choice*

Ashanti Reynoso, Junior, Biology, LAS
(Research Mentor(s): Marisol Jimenez, Education Policy, Organization & Leadership)

129. *The Implementation and Impact of HPV Vaccination Programs on Cervical Cancer Incidence and Mortality in Western African Countries*

Abbie Perryman, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Valeria Bonatti, Global Studies)

130. *The Predictive Role of Social Support in Drinking Patterns: An Analysis on Heavy Drinkers*

Laith Smeir, Junior, Psychology, LAS
(Research Mentor(s): Jay Park, Psychology & Catharine Fairbairn, Psychology)

131. *The Relationship Between Violence and Schools: A Youth Participatory Action Research Project*

Isaiah Stewart, Pavilion School
Jamarion Reese, Pavilion School
Tony Coleman, Pavilion School
Tyeisha Knight, Pavilion School
Mary Pendleton, Pavilion School
Hailey Kimball, Pavilion School
Abby Robben, Pavilion School
(Research Mentor(s): Jacinda Dariotis, Human Development & Family Studies; Amy Leman, Agricultural Leadership, Education & Communications; Daniela Markazi, Informatics; Kate Suchodolski, Agricultural Leadership, Education & Communications; Allison Pratt, Illinois Extension)

132. *The Role of Nostalgia in Invoking Individuals' Positive Emotional Response in a Sports-Leisure Context*

Valerie Panich, Sophomore, Psychology, LAS
(Research Mentor(s): Shohgo Motoyama, Recreation, Sport & Tourism)

133. *The Weight of Student Opinion on the Fate of the UI Ice Arena*

Elizabeth Murawski, Freshman, Undeclared, DGS
(Research Mentor(s): Caitlin Clarke, Health & Kinesiology & Jacob Fredericks, Recreation, Sport & Tourism)

134. *Trapped in a Thought: Gen Z's Indulgence in Daydreaming*

Aadya Kashyap, Freshman, Psychology, LAS
(Research Mentor(s): V. N. Vimal Rao, Statistics)

PP Session - Cells & Molecules

2:00 – 3:15 PM, Illini Rooms ABC & South Lounge

1. *Activity-Based Nitric Oxide-Responsive Porphyrin for Site-Selective and Nascent Cancer Ablation*

Benjamin Shapiro, Senior, Biochemistry, LAS
(Research Mentor(s): Suritra Bandyopadhyay, Chemistry)

2. *An Analysis of the Role of LanCL Proteins in Mammalian Muscle Regeneration*

Tarun Rao, Junior, Bioengineering, ENG
(Research Mentor(s): Jie Chen, Cell & Developmental Biology & Adriana Reyes-Ordonez, Cell & Developmental Biology)

3. An Assessment of the Genetic Ablation of the Striatal-Enriched Protein Tyrosine Phosphatase (STEP) in a Model of Temporal Lobe Epilepsy

Stephen Thomas, Sophomore, Bioengineering, ENG
(Research Mentor(s): Hee Jung Chung, Molecular & Integrative Physiology)

4. Characterization of an NADPH-Dependent 17 β -Hydroxysteroid Dehydrogenase From the Gut Bacterium *Clostridium scindens* VPI 12708

Michael Biedak, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Jason Ridlon, Animal Sciences)

5. Correlation of Fibrinogen With Microglia-Mediated Oxidative Stress and Neuronal Apoptosis Following Maternal Immune Activation

Isabella Calderon, Senior, Psychology, LAS
(Research Mentor(s): Rafael Gonzalez Ricon, Neuroscience Program & Adrienne Antonson, Animal Sciences)

6. Di(2-ethylhexyl) Phthalate, Diisononyl Phthalate, and Mono(2-ethylhexyl) Phthalate Exposures Alter Expression of Hox Genes in the Murine Ovary

Teegan Gonyea, Sophomore, Biochemistry, LAS
(Research Mentor(s): Jodi Flaws, Comparative Biosciences)

7. Discovery and Characterization of an Antiphage Defense System in *Staphylococcus epidermidis*

Catherine La, Senior, Integrative Biology, LAS
Prakriti Shankar, Junior, Biochemistry, LAS
(Research Mentor(s): Asma Hatoum-Aslan, Microbiology & Tori Boyle, Microbiology)

8. Effects of Surgery and Intranasal Insulin on Cognitive Function in Young Adult Mice

Pravika Srivastava, Sophomore, Neuroscience, LAS
Isha Kandlikar, Sophomore, Molecular & Cellular Biology, LAS
(Research Mentor(s): Uwe Rudolph, Comparative Biosciences & Rajasekar Nagarajan, Comparative Biosciences)

9. Enhancing Photosynthesis and Biomass Production: Combinatorial Overexpression of Glycine Decarboxylation Complex H-protein and Lipoylation Enzymes in Plants

Katherina Cheng, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Jooyeon Jeong, Institute for Genomic Biology & Donald Ort, Institute for Genomic Biology)

10. Evaluating the Contribution of CD36 to Carotenoid Uptake in Mice

Michelle Zhu, Senior, Dietetics & Nutrition, ACES
(Research Mentor(s): Jaume Amengual, Food Science & Human Nutrition & Donald Molina, Food Science & Human Nutrition)

11. Infection Phenotypes of Deletion Harboring Influenza Viruses

Maher Fatima, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Christopher Brooke, Microbiology & Mireille Farjo, Microbiology)

12. Investigating Protein Synthesis Differences in Genetically Distinct Rat Models of ASD

Alexander Cue, Senior, Neuroscience, LAS
(Research Mentor(s): Manasi Inamdar, Molecular & Integrative Physiology & Benjamin Auerbach, Molecular & Integrative Physiology)

13. Investigating RNA Solubility Phase Transition During Oocyte-To-Embryo Transition

Kavya Panjra, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Jessie Chen, Comparative Biosciences & Jing Yang, Comparative Biosciences)

14. Investigating the Role of Notch Signaling in Liver Stem Cell Differentiation

Vanessa Quan, Sophomore, Materials Engineering, ENG
(Research Mentor(s): Gregory Underhill, Bioengineering & Ariane Tsai, Bioengineering)

15. Investigation of Muscle Stem Cell-Derived Ccl7 in Skeletal Muscle Regeneration

Cesar Maldonado, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Jie Chen, Cell & Developmental Biology & Allison Boss-Kennedy, Cell & Developmental Biology)

16. Optimized Immunoassays for Typing Cells After Mass Spectrometry

Viktoriya Zamkova, Freshman, Chemistry, LAS
(Research Mentor(s): Stanislav Rubakhin, Chemistry & Jonathan Sweedler, Chemistry)

17. Real-Time Calcium Imaging of Mouse Cortical Cell Activity Using BAPTA-Green

Abdullah Choudhry, Sophomore, Bioengineering, ENG
Jessica Lee, Freshman, Brain & Cognitive Science, LAS
Namjun Cho, Senior, Bioengineering, ENG
(Research Mentor(s): Min Jee Jang, Bioengineering)

18. Someone Call the Doctor, Got a Case of Love Bipolar: Determining the Mechanism by Which a Polar Protein Exhibits a Bipolar Phenotype

Simon Kruczak, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Morgan Letzkus, Microbiology & Paola Mera, Microbiology)

19. Systematic Profiling of Influenza Hemagglutinin Antibodies via oPool+ Display

Logan Talmage, Senior, Biochemistry, LAS
(Research Mentor(s): Wenhao Ouyang, Biochemistry & Nicholas Wu, Biochemistry)

20. High-Throughput Analysis of the Effect of Chronic Stress on Liver Fibrosis

Molly Banos, Freshman, Bioengineering, ENG
(Research Mentor(s): Regina Giovanni, Bioengineering)

21. Un-CAR-vering Liver Function: The Role of Nuclear Receptor Constitutive Androstane Receptor (CAR)

Bea Francine Cronologia, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Sayeepriyadarshini Anakk, Molecular & Integrative Physiology)

22. Visualization of Bile Acid Uptake/Recirculation in the Gut-Liver Axis

Alexander Chaikin, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Sayeepriyadarshini Anakk, Molecular & Integrative Physiology & Francois Reichardt, Molecular & Integrative Physiology)

PQ Session - Data & Information

2:00 – 3:15 PM, Illini Rooms ABC & South Lounge

24. Advancing Speech Intelligibility and Keyword Recognition Through Hybrid NLP and ASR Techniques

Fiona Hu, Freshman, Computer Science, ENG

Shengyan Wang, Junior, Computer Engineering, ENG

Xin Yang, Senior, Computer Engineering, ENG

Tianqi Fu, Junior, Information Sciences + Data Science, SIS

Anvitha Manepalli, Junior, Computer Science + Statistics, LAS

Khushi Patel, Sophomore, Mechanical Engineering, ENG

(Research Mentor(s): Dan Fogerty, Speech & Hearing Sciences)

25. Analysis of Free-Text Medical Notes Quality in the Cardiology Department at Johns Hopkins All Children's Hospital

Mustafa Siddique, Sophomore, Interdisciplinary Health Sciences, AHS

(Research Mentor(s): Geoffrey Gray, Johns Hopkins)

26. Comparing the Effectiveness of a 250 ml Flask System to 100 ml Wheaton Vials for In Vitro Study

Mary Miller, Senior, Animal Sciences, ACES

(Research Mentor(s): Joshua McCann, Animal Sciences)

27. Data-Driven Prediction of Unstable Periodic Orbits by Reduced-Order Modeling

Ran Chen, Freshman, Engineering Undeclared, ENG

Jackson Friedman, Junior, Engineering Mechanics, ENG

(Research Mentor(s): Ricardo Constante-Amores, Mechanical Science & Engineering)

28. Dimensionality Reduction in Neural Activity Simulations Using HNN-Core and Synaptic Weight Modulation

Siddhant Gupta, Junior, Statistics, LAS

(Research Mentor(s): Matthew Singh, Statistics)

29. Electric Vehicle Charging Station Use on Campus

Anushka Gautam, Junior, Civil Engineering, ENG

(Research Mentor(s): Eleftheria Kontou, Civil & Environmental Engineering & Denissa Purba, Civil & Environmental Engineering)

30. Evaluating the Efficacy of Independent Component Analysis for Artifact Correction in Concurrent EEG/fMRI Datasets

Ryan Adolph, Graduated December 2024, Brain & Cognitive Science, LAS

(Research Mentor(s): Sepideh Sadaghiani, Psychology & Martín Irani, Neuroscience Program)

31. Exploring Gen Z's Perceptions and Attitudes Toward AI Use in Marketing

Magdalena Trzupek, Sophomore, Information Sciences + Data Science, SIS

(Research Mentor(s): Jiangping Chen, School of Information Sciences)

32. Factors Behind Community Colleges With the Most Successful Medical School Applicants

Jordan Phan, Sophomore, Interdisciplinary Health Sciences, AHS

(Research Mentor(s): Vaishnavi Sridharan, Kinesiology)



33. Generating National Impact in Data Science Education Through Data Science MicroProjects

Michelle Ru, Junior, CS + Chemistry, LAS

Lauren Hyde, Sophomore, Computer Science, ENG

Sara Lin, Senior, Graphic Design, FAA

Jeff Zou, Senior, Computer Science, ENG

(Research Mentor(s): Wade Fagen-Ulmschneider, Siebel School of Computing and Data Science & Deeya Bodas, Siebel School of Computing and Data Science)

34. Market Timing in Real Estate Equity: Identifying Seasonal Investment Patterns

Artur Vlasenko, Freshman, Finance, BUS

(Research Mentor(s): Robert Krueger, University of Illinois, Chicago)

35. Optimization of the Multi-Talker Digits in Noise Task

Marwan Hamoui, Freshman, Biology, LAS

(Research Mentor(s): Dan Fogerty, Speech & Hearing)

36. Pose Estimation in Multimodal Learning Analytics: Exploring Behavioral Patterns in Student Engagement

Harff Seo, Senior, Statistics, LAS

(Research Mentor(s): Jina Kang, Education & Robin Jephthah Rajarathinam, Education)

37. The Role of Community Health Workers in Reducing Breast Cancer Among African American Women: A Literature Review

Ashli Childs, Senior, Community Health, AHS

(Research Mentor(s): Andiaa Schwingel, Health & Kinesiology & Anna Selzer, Health & Kinesiology)

38. The University of Illinois Physics Placement Test and Effectiveness of Physics 100

Nathan Vogt, Senior, Physics, ENG
(Research Mentor(s): Eric Kuo, Physics)

39. Time Series Modeling of Malaria Cases: Integrating Climate and Mosquito Data Through Machine Learning

Karena Liang, Junior, Statistics & Computer Science, LAS
(Research Mentor(s): Lelys Bravo De Guenni, Statistics)

40. Transformer-Based Multimodal Integration for Predicting Stress-Responsive Phenotypes in *Oryza sativa*

Kavya Puranam, Junior, CS + Crop Sciences, ACES
(Research Mentor(s): Elhan Ersoz, Crop Sciences)

41. Voting Paradoxes in the Real World: Investigating Susceptibility for Vote Manipulation and Biases in AP Top 25 College Polls

Ayush Shastry, Junior, Statistics, LAS
Will Lande, Sophomore, Econometrics & Quantitative Economics, LAS
(Research Mentor(s): AJ Hildebrand, Mathematics)

42. WormFindr: Automated Image Segmentation Tool for Analysis of Nematode Electron Micrographs

Kyle Keliuotis, Junior, Brain & Cognitive Science, LAS
(Research Mentor(s): Jill Naiman, School of Information Sciences & Nathan Schroeder, Crop Sciences)

43. zScore: A Universal Decentralised System for the Blockchain Economy

Himanshu Udipi, Sophomore, Computer Science, ENG
(Research Mentor(s): Ashutosh Sahoo, Zeru Finance & Petrus Martens, Georgia State University)

PR Session - Nature, Life & Environment
2:00 – 3:15 PM, Illini Rooms ABC & South Lounge

45. Assessing Global Wind Direction Changes Since the Last Glacial Maximum

Samantha Levenhagen, Junior, Geology, LAS
(Research Mentor(s): Allison Wallin, Geology & Jessica Conroy, Geology)

46. Selecting Microsatellite Markers to Determine Relatedness in Illinois White-Tailed Deer

Nina Ahluwalia, Senior, Animal Sciences, ACES
(Research Mentor(s): Nohra Mateus-Pinilla, Illinois Natural History Survey & Evan London, Illinois Natural History Survey)

47. Climate Change's Effect on the Phenology of Federally Endangered Butterflies: Karner Blue Butterfly (*Plebejus samuelis*) and Frosted Elfin (*Callophrys irus*)

Adeline Volz, Junior, Natural Resources & Environmental Sciences, ACES
(Research Mentor(s): Jonah Dominguez, Integrative Biology & Jinelle Sperry, Natural Resources & Environmental Sciences)

48. Coal Ball Taphonomy and Collection Condition: Update on the Tom Phillips Coal Ball Collection

Ben Perlstein, Senior, Geology, LAS
Priscilla Martinez, Senior, Geology, LAS
Julicanna Morse, Senior, Geology, LAS
Avery Melrose, Senior, Geology, LAS
Emily Spaete, Sophomore, Geology, LAS
(Research Mentor(s): Max Christie, Earth Science & Environmental Change)

49. Disparities of Urban Green Space Accessibility: Analyzing Income-Based Inequities in Chicago, IL

Maevae Conlon, Senior, Earth, Society & Environmental Sustainability, LAS
(Research Mentor(s): Constance Brown, Earth, Society & Environment)

50. Characterizing the Economic Potential of Non-Sewered Sanitation Technologies to Advance the Sustainability of Sanitation in African Cities: The Case for Addis Ababa, Ethiopia

Nina Trousdale, Senior, Civil Engineering, ENG
(Research Mentor(s): Jeremy Guest, Civil & Environmental Engineering & Johanna Arita Mendoza, Civil & Environmental Engineering)

51. Effects of Oyster Castle Porosities on Sediment Dynamics

Siya Balapal, Freshman, Environmental Engineering, ENG
Jenna Balaban, Sophomore, Environmental Engineering, ENG
(Research Mentor(s): Kamil Czapinski, Civil & Environmental Engineering)

52. Enhancing Xylose Metabolism in *Rhodotorula toruloides* for Improved Biofuel Production

Diya Kamath, Freshman, Biology, LAS
(Research Mentor(s): Joshua Ye, Chemical & Biomolecular Engineering & Christopher Rap, Chemical & Biomolecular Engineering)

53. How Does Drought Affect Soil Microbial Capacity to Reduce Nitrous Oxide?

Lucy Zhou, Junior, Integrative Biology, LAS
(Research Mentor(s): Wendy Yang, Plant Biology & Simmi Rana, Plant Biology)

54. Insect Vector-Phytoplasma Associations in the US: Enhancing Awareness, Data Accessibility and Interoperability

Salma Bennaye, Junior, Interdisciplinary Health Sciences, AHS
(Research Mentor(s): Valeria Trivellone, Illinois Natural History Survey)

55. Multi-Metric Analysis of Long-Term Heat Stress Trends in the Midwest

Kaisang Choodam, Sophomore, Atmospheric Sciences, LAS
(Research Mentor(s): Cristian Proistosescu, Climate, Meteorology & Atmospheric Sciences & Maile Sasaki, Climate, Meteorology & Atmospheric Sciences)

56. Novel Behavioral Assays Reveal Sex Specific Behavioral Syndromes in *Anemonefish*

Isabella Wilton, Junior, Animal Sciences, ACES
Emily Panczyk, Junior, Psychology, LAS
(Research Mentor(s): Justin Rhodes, Psychology)

57. Redefining Resiliency Phenotypes and Analyzing Behavior During Chronic Social Defeat

Sarah Kim, Sophomore, Neuroscience, LAS
(Research Mentor(s): Paul Bonthuis, Veterinary Medicine)

58. Sex-Based Differences of *Magivicada cassini*: A Comparative Study of Internal and External Microbiomes Across Illinois Sites

Fatima Vazquez, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Sierra Raglin, Institute for Genomic Biology)

59. Species Delimitation of Rainwater and Bluefin Killifish: Identifying Species and Their Hybrids

Marie Peters, Junior, Integrative Biology, LAS
Anushka Bhat, Junior, Integrative Biology, LAS
(Research Mentor(s): Becky Fuller, Evolution, Ecology & Behavior)

60. The Differences Between the Presence and Relationships of AMF in Restored Prairies of Different Ages

Johanna Miralrio, Freshman, Undeclared, DGS
(Research Mentor(s): Ilana Zeitzer, Program in Ecology, Evolution & Conservation Biology)

61. The Effects of Fungicide Treatment on Biomass and Arbuscular Mycorrhizal Fungi

Soumil Biswas, Senior, Natural Resources & Environmental Sciences, ACES
Noah Herman, Senior, Natural Resources & Environmental Sciences, ACES
(Research Mentor(s): Ilana Zeitzer, Program in Ecology, Evolution & Conservation Biology & Tony Yannarell, Natural Resources & Environmental Sciences)

62. The Genomic Basis of Color Polymorphism in Bluefin Killifish

Daniele Baranauskaite, Senior, Biology, LAS
Jolene Blodgett, Senior, Natural Resources & Environmental Sciences, ACES
(Research Mentor(s): Becky Fuller, Evolution, Ecology & Behavior)

63. Updating Salamander Mussel and Mudpuppy Distributions in East-Central Illinois Through Environmental DNA and Conventional Surveys

Ellen Schonken, Junior, Natural Resources & Environmental Sciences, ACES
(Research Mentor(s): Sarah Douglass, Natural Resources & Environmental Sciences)

64. Utilization of eDNA in Pollinator Research

Sooah Choi, Freshman, Biology, LAS
(Research Mentor(s): Adam Dolezal, Entomology)

PS Session - Numbers & Computation

2:00 – 3:15 PM, Illini Rooms ABC & South Lounge

67. A Reliable In-Storage Search Primitive for Large-Scale Data Processing

Aniket Das, Senior, CS + Philosophy, LAS
(Research Mentor(s): Ryan Wong, Siebel School of Computing and Data Science & Saugata Ghose, Siebel School of Computing and Data Science)

68. Advancements in Quantum Teleportation: Exploring Hardware, Software, Mathematical Formalism, and New Versions

Siddharth Chander, Freshman, Computer Science + Physics, ENG
(Research Mentor(s): Carmen Constantin, University of Oxford)

69. An Evaluation of Effectiveness of Alternative Fuel Grades for Electric Vehicle Fast Charging

Marisol Velapatino, Junior, Physics, ENG
(Research Mentor(s): Khalid Talal, Electrical & Computer Engineering)

70. Envy-Freeness Allocation Algorithms With Special Constraints

Swetha Yegappan, Sophomore, CS + Economics, LAS
(Research Mentor(s): Ruta Mehta, Siebel School for Computing & Data Science)

71. Era-Adjusted Analysis of Juan Soto's Mega Contract

Idrees Kudaimi, Junior, Chemistry, LAS
(Research Mentor(s): Daniel Eck, Statistics)

72. Modeling the Evolution of Altruistic Norms via Cultural Multilevel Selection

Ahmad Abdur Rahman, Senior, Mathematics, LAS
(Research Mentor(s): Daniel Cooney, Mathematics)

73. Spatial Spreading of Altruism

Prisha Singh, Sophomore, Mathematics & Computer Science, LAS
Joseph Settlemyer, Junior, Mathematics, LAS
Mira Ryu, Junior, Mathematics, LAS
Yinbo Tang, Senior, Mathematics, LAS
(Research Mentor(s): Olivia Clifton, Mathematics & George Bayliss, Engineering Physics & Levi Poon, Mathematics)

74. Subtle Motor Movement EEG Noise Identification & Filtering

Rushil Shah, Sophomore, Neural Engineering, ENG
Ammar Ali, Senior, Brain & Cognitive Science, LAS
(Research Mentor(s): Luke Sherrill, Psychology)

75. World's Simplest Poker: Best Response Dynamics in the Iterated McAdams Poker Model

Adam Raizer, Freshman, Mathematics, LAS
Maanas Belambe, Junior, Computer Science + Statistics, LAS
(Research Mentor(s): AJ Hildebrand, Mathematics)

76. World's Simplest Poker: Optimal Strategies and Nash Equilibria in Discrete Analogs of the McAdams Poker Model

Mihir Tandon, Freshman, Computer Engineering, ENG
Aryan Gupta, Freshman, Computer Engineering, ENG
(Research Mentor(s): Andres Medina, Mathematics)

PT Session - Science & Technology

2:00 – 3:15 PM, Illini Rooms ABC & South Lounge

78. Bridging Deep Learning and Symbolic Regression: A Hybrid Approach for Interpretability and Expressiveness

Mingqian Wang, Junior, Mathematics & Computer Science, LAS
(Research Mentor(s): Matthew Singh, Statistics)

79. Cache Reconfiguration With Adaptive Mapping Functions

Abhinil Dutt, Senior, Computer Science, ENG
(Research Mentor(s): Ryan Wong, Siebel School of Computing and Data Science & Saugata Ghose, Siebel School of Computing and Data Science)

80. Closing the Carbon Capture-Sequestration Loop via Metal-Organic Framework Aluminum Formate

Samantha Shell, Junior, Chemical Engineering, LAS
(Research Mentor(s): Benjamin Snyder, Chemistry)

81. Comparing Behavior of Pigs With Simulated Respiratory Illness

Brenna Freeman, Senior, Animal Sciences, ACES
(Research Mentor(s): Angela Green-Miller, Agricultural & Biological Engineering & Tawni Williams-Stroud, Animal Sciences)

82. Decoding Spontaneous EEG Dynamics to Predict Perception in Visual Ambiguous Tasks

Zifan Zhao, Senior, Psychology, LAS
(Research Mentor(s): Sepideh Sadaghiani, Psychology & Martin Irani, Neuroscience)

83. Designing Accessible Virtual Reality Applications for Older Adults

Noah Olivero, Senior, Interdisciplinary Health Sciences, AHS
(Research Mentor(s): Pallabi Bhowmick, Human Factors & Aging Lab)

84. Glycogen Synthase Knockout Mouse Models to Determine if Uterine Glycogen Is Required for Fertility

Madison Fugiel, Junior, Animal Sciences, ACES
(Research Mentor(s): Matthew Dean, Animal Sciences)

85. Development of Method to Screen Antimicrobial Treatments Against *Listeria Monocytogenes* Qualitatively in Miniature Queso Fresco

Madeline Shick, Junior, Food Science, ACES
(Research Mentor(s): Karson Bateman, Food Science & Human Nutrition)

86. EEG Study for Identifying Objective Biomarkers of Tinnitus

Macyn Hoeveler, Sophomore, Brain & Cognitive Science, LAS
(Research Mentor(s): Fatima Husain, Speech & Hearing Science)

87. Effects of Different Inclusion Levels of Herbal Extract Supplementation on Tight Junction Proteins in Canine Feces

Elena Serafini, Senior, Animal Sciences, ACES
(Research Mentor(s): Maria Cattai de Godoy, Animal Sciences & Carlie Mettler, Animal Sciences)

88. Expanding PacBio Sequencing Capabilities With EdU-Click Fluorescence Labeling

Ryan Wang, Sophomore, Biochemistry, LAS
(Research Mentor(s): Huanyu Qiao, Comparative Biosciences & Shuangqi Wang, Comparative Biosciences)

89. Gaze-Based Structural Evaluations: Leveraging Eye-Tracking for Efficient Inspections

James Zhang, Senior, Econometrics & Quantitative Economics, LAS
(Research Mentor(s): Mohamad Alipour, Civil & Environmental Engineering)

90. Generative AI and Youth Mental Health: Exploring New Digital Interactions and Their Effects

Yunqi Chen, Senior, Sociology, LAS
(Research Mentor(s): Tim Liao, Sociology)

91. Histopathology of Cellular Profiles and Tissue Barriers in a Model of TBI Using Spatial Light Interference Microscopy

Yuliia Kohut, Freshman, Bioengineering, ENG
(Research Mentor(s): Catherine Best-Popescu, Bioengineering & Jorge Maldonado DeJesus, Beckman Institute)

92. Identifying Sources of Two Level System Losses in Josephson Junctions for Superconducting Qubits

Shishir Sudhaman, Senior, Physics, ENG
(Research Mentor(s): Angela Kou, Physics)

93. Identifying the Cognitive Needs and Preferences of Individuals With Mild Cognitive Impairment for Designing Assistive Technology: A Literature Review

Elleora Eastman, Freshman, Interdisciplinary Health Sciences, AHS
(Research Mentor(s): Wendy Rogers, Applied Health Sciences)"

94. Impact of Increased Glycine Decarboxylase Expression on Hippocampal Functions

Siyoun Ahn, Junior, Biology, LAS
(Research Mentor(s): Maltesh Kambali, Comparative Bioscience & Uwe Rudolph, Comparative Bioscience)

95. Optical Topography to Investigate Fractured Surfaces in Soft Solids

Amanda Watson, Junior, Chemical Engineering, LAS
(Research Mentor(s): Sri Sridhar, Mechanical Science & Engineering & Shelby Hutchens, Mechanical Science & Engineering)

96. Platinum Group Metals Recovery Using Redox Reversible Ferrocene Polymers

Richard Nong, Sophomore, Chemical Engineering, LAS
(Research Mentor(s): Xiao Su, Chemical & Biomolecular Engineering & Ching-Yu Chen, Chemical & Biomolecular Engineering)

97. Satellite Image Informed Path Planning for Improved Visual Localization of Unmanned Ground Vehicles in GNSS-Denied Environments

Jordan Westphal, Junior, Mechanical Engineering, ENG
(Research Mentor(s): Ahmet Soylemezoglu, US Army Corp of Engineers)

98. Synthesis Characterization and Properties of Steel-Copper Metallic Composites via Additive Manufacturing

Mia Mikolajczak, Junior, Materials Engineering, ENG
(Research Mentor(s): Marie Charpagne, Materials Science & Engineering & Nabila Ali, Materials Science & Engineering)

99. Synthesis of Gold, Silver, Copper Trimetallic Nanorods for Enhanced Electrochemical CO₂ Reduction

Diana Soto, Junior, Chemical Engineering, LAS
(Research Mentor(s): Catherine J. Murphy, Chemistry & Emily Cook, Chemistry)

100. *The Synthesis of Low-Cost and High-Performance Sodium-Ion Battery*

Yibo (Luka) Gao, Junior, Chemical Engineering, LAS
(Research Mentor(s): Guiliang Xu, Argonne National Laboratory)

101. *Understanding Older Adults' Perceptions of Smart Kitchen Technology With C@Home*

Shahanaasree Sivakumar, Freshman, Computer Science, ENG
(Research Mentor(s): Shannon Mejía, Health & Kinesiology)

PU Session - Social Issues & Policy

2:00 – 3:15 PM, Illini Rooms ABC & South Lounge

102. *"Is it Cause I'm Black?!" : Racial Disparities and School Disciplinary Practices*

Amari Anderson, Senior, Social Work, SSW
(Research Mentor(s): Rachel Garthe, Social Work & Carol Wilson Smith, Social Work)

103. *Leveraging Capital: A Systematic Review of Assets of First-Generation College Students*

T'erra Rucker, Junior, Psychology, LAS
Jamie Tamoro, Freshman, Psychology, LAS
(Research Mentor(s): Anna Barkley, Education Policy, Organization & Leadership)

104. *Cascading Effects of Anti-Abortion Legislation on the Availability of Abortion Clinics, Birthing Centers, and Training Opportunities*

Violet Park, Senior, Integrative Biology, LAS
Aaron Santoyo, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Tuyet-Mai Hoang, Social Work & Radia DeLuna, Educational Psychology)

105. *Evaluating Dietitians' Perspectives on Expanding the 2025 Medicare Physician Fee Schedule to Include Nutrition-Related Caregiver Training Services*

Anjali Yedavalli, Senior, Integrative Biology, LAS
(Research Mentor(s): Minakshi Raj, Health & Kinesiology)

106. *From Background to Bench: Justice Life Experience and Interest in Specific Legal Area*

David Volodarsky, Senior, Political Science, LAS
(Research Mentor(s): Uribe McGuire, Political Science)

107. *Gateways to Violence: The Role of Gun Accessibility in Mass Shootings*

Leyi Xu, Senior, Communication, LAS
Sitong He, Junior, Communication, LAS
Cara Shannon, Junior, Communication, LAS
(Research Mentor(s): JungHwan Yang, Communication & Victor Renn, Communication)

108. *Green Card Soldiers: Latina/o/x/e Immigrant Recruitment in the US Armed Forces*

Trinity Mitchell, Junior, History, LAS
(Research Mentor(s): Jose de la Garza Valenzuela, Latina/o Studies)

109. *How Median Ideology and Size of Majority Coalition Impact Supreme Court Overturns*

Emma Troy, Senior, Political Science, LAS
(Research Mentor(s): Alica Uribe-McGuire, Political Science)

110. *In the Eye of Public Opinion: How Natural Disasters Increase Support for Environmental Spending*

Julia Burke, Senior, Political Science, LAS
(Research Mentor(s): Robert Pahre, Political Science)

111. *Interventions in Solid Waste Management Policies to Improve Public Health in India's Slum Communities*

Anya Nair, Junior, Geography & Geographic Information Science, LAS
(Research Mentor(s): Chris Getowicz, Education Policy, Organization & Leadership)

112. *Mapping Vulnerability: Identifying Abandoned Properties That Pose Greatest Risk to Chicago's Youth*

Lily Clifford, Junior, Earth, Society & Environmental Sustainability, LAS
(Research Mentor(s): Constance Brown, Earth, Society & Environmental Sustainability)

113. *Policy and Perception: Exploring the Relationship Between Federal Climate Policy and Public Skepticism in the United States*

Alexander Woods, Senior, Earth, Society & Environmental Sustainability, LAS
(Research Mentor(s): Constance Brown, School of Earth, Society & Environment)

114. *Re-Evaluating Roberts? An Analysis of the Relationship Between Public Opinion and the Current Chief Justice*

Kate Garton, Senior, Political Science, LAS
(Research Mentor(s): Alicia Uribe-McGuire, Political Science)

115. *Shameful Women: Embodying Hierarchies in Gendered Political Systems*

Malea Dunn, Senior, Political Science, LAS
(Research Mentor(s): Samantha Frost, Political Science)

116. *Strategic Surrenders: When and Why States Cooperate in Extradition*

Calvin Franke, Sophomore, Political Science, LAS
Serina Farah, Sophomore, Political Science, LAS
(Research Mentor(s): Myung Jung Kim, Political Science)

117. *The Effects of Greenspace Access on Substance Use in Youth*

Natalie Steiger, Freshman, Chemistry, LAS
(Research Mentor(s): Benjamin Campbell, Applied Health Sciences)

118. *The Most Permanent Alliances: Comparing the Behavior of Federations and Membership-Based Groups*

Madison Kramer, Junior, Natural Resources & Environmental Sciences, ACES
Tricia Newman, Sophomore, Earth, Society & Environmental Sustainability, LAS
Kennedi Thomas, Freshman, Political Science, LAS
(Research Mentor(s): Søren Warland, Political Science)

119. *Do International Investment Disputes Decrease Foreign Investment?*

Lucinda Peng, Sophomore, Economics, LAS
(Research Mentor(s): Seung-Uk Huh, Political Science)

120. *A Review of Literature: Athlete Advocacy Groups and/as Collective Activism*

Jack DeNardo, Sophomore, Recreation, Sport & Tourism, AHS
(Research Mentor(s): Yannick Kluch, Recreation, Sport & Tourism)

PV Session - Cells & Molecules

3:45 – 5:00 PM, Illini Rooms ABC & South Lounge

1. *Assessing Fetal Neurodevelopment Following Maternal Immune Activation*

Nicolas Hernandez, Senior, Animal Sciences, ACES
(Research Mentor(s): Adrienne Antonson, Animal Sciences & Izan Chalen Paredes, Animal Sciences)

2. *Biodistribution Differences of Three Carotenoids Typically Found in the Human Diet*

Olivia Edakkunnathu, Senior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Jaime Amengual Terrasa, Food Science & Human Nutrition & Wafa'a Hajeer, Food Science & Human Nutrition)

3. *Characterization of an NADPH-Dependent 17 β -Hydroxysteroid Dehydrogenase Enzyme Encoded by the DesG Gene From the Urinary Tract Isolate *P. lymphophilum* Strain API-1*

Eva Konsur, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Jason Ridlon, Animal Sciences & Briawna Binion, Animal Sciences)

4. *Characterization of Camptothecin Hydroxylating P450s in *Camptotheca acuminata**

Christina Tsai, Senior, Biochemistry, LAS
(Research Mentor(s): Mary Schuler, Biochemistry)

5. *Characterization of Conserved Motifs in the FcoP Protein Family*

Neha Siram, Sophomore, Biology, LAS
(Research Mentor(s): Anastasia Manesis, Chemistry)

6. *Characterization of Genetic Variants in the NRT1.1 Gene Family of Maize*

Sycamore Jin, Senior, Plant Biotechnology, ACES
(Research Mentor(s): Stephen Moose, Crop Sciences & Nandan Rai, Crop Sciences)

7. *Constructing a cDNA Library From Oocytes Using Single Cell RNA Sequencing to Observe Responses to Environmental Toxicants*

Anika Roy, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Huanyu Qiao, Comparative Biosciences & Shuangqi Wang, Comparative Biosciences)

8. *Cross-Generational Impacts of Paternal Exercise and Diet on Skeletal Muscle Chchd2*

Francesca Sadovi, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Clay Weidenhamer, Health & Kinesiology & Diego Hernandez-Saavedra, Health & Kinesiology)

9. *Dual Genetic and Chemical Disruption Reveals Mechanistic Links Between Epithelial Dysfunction, Immune Remodeling, and Colorectal Cancer Susceptibility*

Sharon Dong, Senior, Nutrition & Health, ACES
Vivia Nguyen, Junior, Molecular & Cellular Biology, LAS
(Research Mentor(s): Hong Chen, Nutritional Sciences & Abrory Pranam, Nutritional Sciences)

10. *Engineering Photosynthetic Enzyme to Improve NPQ Kinetics*

Hannah Rockwell, Senior, Agricultural & Biological Engineering, ENG
(Research Mentor(s): Laurie Leonelli, Agricultural & Biological Engineering & Jake Harris, Agricultural & Biological Engineering)

11. *Evaluating Dexmedetomidine as a Potential Alternative to Traditional Anesthetics in Rat Auditory Brainstem Responses*

Guowei Zhang, Senior, Psychology, LAS
(Research Mentor(s): Benjamin Auerbach, Molecular & Integrative Physiology & Noelle James, Molecular & Integrative Physiology)

12. *Evaluation of Microenvironmental Factors in the Radiosensitivity of Glioblastoma by Using Biomimetic Models*

Isabella Rivera, Sophomore, Neuroscience, LAS
(Research Mentor(s): Sara Pedron-Haba, Chemical & Biomolecular Engineering)

13. *Examining Tyrosine Hydroxylase Imprinting in Key Brain Regions Through Cre/Flp and Intracranial Viral Vector Injections*

Elliot Yoon, Junior, Kinesiology, AHS
(Research Mentor(s): Daryl Meling, Comparative Biosciences & Erin O'Leary, Comparative Biosciences)



14. Hormonal Regulation of Monocarboxylate Transporters and Their Plasma Membrane Recruitment in Bovine Uterine Epithelial Cells
Elizabeth Feoktistov, Junior, Neuroscience, LAS
 (Research Mentor(s): Ashir Nabeel, Animal Sciences & Romana Nowak, Animal Sciences)

15. How Cell Shape is Regulated in *Caulobacter crescentus*
Leo Kaempfe, Junior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Paola Mera, Microbiology & Ezza Khan, Microbiology)

16. Influenza A Virus Infection During Pregnancy Disrupts Cortical Development and Expression of Neurodevelopmental Disorder Candidate Genes
Sanjana Kamble, Junior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Adrienne Antonson, Animal Sciences & Ashley Otero, Neuroscience)

17. Investigating Spermatocyte Development Using Oocytes as Culture Containers
Vidhi Patel, Sophomore, Biochemistry, LAS
 (Research Mentor(s): Huanyu Qiao, Comparative Bioscience & Hasanur Alam, Comparative Bioscience)

18. Investigating the Regulation of Epigenetic Factor BRPF1 by miR-122
Varun Chovatia, Senior, Integrative Biology, LAS
 (Research Mentor(s): Haiting Ma, Cell & Developmental Biology)

19. Investigating the Role of Efferocytosis During *Drosophila* Wing Imaginal Disc Regeneration
Kaela Maghinang, Junior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Rachel Smith-Bolton, Cell & Developmental Biology & Snigdha Mathure, Cell & Developmental Biology)

20. Lack of NELF-B in Sertoli Cells Leads to Impaired Spermatogenesis and Infertility in Mice
Aishi Tulasaku, Junior, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Prabhakara Reddi, Comparative Biosciences)

21. Leveraging Deep Learning for Label-Free Cellular Segmentation in Brain Tissue Using Spatial Light Interference Microscopy
Prasheetha Bairwa, Freshman, Computer Science, ENG
 (Research Mentor(s): Catherine Best-Popescu, Bioengineering & Jorge Maldonado, Neuroscience Program)

22. Mapping Mouse Auditory Cortex Microstructure With Myelin and Parvalbumin
Mia Rode, Senior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Daniel Llano, Molecular & Integrative Physiology & Simran Singh, Neuroscience Program)

23. Molecular Adaptations to Recurrent Exercise: Coenzyme Q Lipid Increases in the Heart
Sam Deyhle, Junior, Kinesiology, AHS
 (Research Mentor(s): Deigo Hernadez Saavedra, Kinesiology & Yi-Heng Huang, Kinesiology)

24. Narrow Leaves, Big Impact: Characterizing and Transforming a Reduced Leaf Area Mutant
Miriam Arend, Sophomore, Plant Biotechnology, ACES
 (Research Mentor(s): Anthony Studer, Crop Sciences)

25. Pre-Infection Cell State Drives Heterogeneity in Antiviral Response
Hania Ziny, Sophomore, Biochemistry, LAS
 (Research Mentor(s): Chris Brooke, Microbiology & Elizabeth Thayer, Microbiology)

26. Role of SWI/SNF in Regulating Posterior Fate and Regenerating *Drosophila* Wing Imaginal Disc
Anushka Singh, Junior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Rachel Smith-Bolton, Cell & Developmental Biology & Anish Bose, Cell & Developmental Biology)

27. Solubility Dynamics of ncRNA During the Oocyte-to-Embryo Transition
Judy Choi, Junior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Jing Yang, Comparative Biosciences & Jessie Chen, Comparative Biosciences)

28. Systematic Validation of a High-Throughput Antibody Specificity Characterization Platform
Meixuan Tong, Sophomore, Biochemistry, LAS
 (Research Mentor(s): Owen Ouyang, Biochemistry & Nicholas Wu, Biochemistry)

29. Unwinding the Roles of RNA Helicase MOV10
Megan Noreen Doon, Senior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Temirlan Shilikbay, Cell & Developmental Biology)

30. Investigating the Efficacy of Nestorone Progesterin in Inducing Human Endometrial Stromal Cell (HESC) Decidualization
Abigail Perryman, Junior, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Jacob Beal, Molecular & Integrative Physiology)

PW Session - Food Systems

3:45 – 5:00 PM, Illini Rooms ABC & South Lounge

32. 3D Printing Plant-Based Fat Analogues: The Role of Oil in Zein-Based Oleogels
Elen Huang, Senior, Food Science, ACES
 (Research Mentor(s): Oguz Ozturk, Food Science & Human Nutrition)

33. Addressing the Challenge of Context-Dependency Across Genotype-by-Environment Interactions When Rapidly Phenotyping Photosynthetic Traits Using Hyperspectral Reflectance in the Model C4 Crop Sorghum
Benjamin Hubbell, Junior, Plant Biotechnology, ACES
 (Research Mentor(s): Balasaheb Sonawane, Institute for Genomic Biology & Andrew Leakey, Institute for Genomic Biology)

34. Analysis of Remote Sensing Algorithms for the Detection of Warm and Cool Season Grasses
Ameya Tiwari, Freshman, Astrophysics, LAS
 (Research Mentor(s): Wendy Dorman, Natural Resources & Environmental Sciences)

35. Consumer Perceptions of Organic vs. Conventional Food Products: A Study of UIUC Students, Faculty, and Staff

Natalie Tolpygo, Senior, Agricultural & Consumer Economics, ACES
(Research Mentor(s): Ailie Elmore, Agricultural & Consumer Economics & Marin Skidmore, Agricultural & Consumer Economics)

36. Deforestation and Agricultural Expansion in South America

Amelia Nelson, Senior, CS + Crop Sciences, ACES
(Research Mentor(s): Matthew Hudson, Crop Sciences & Nicolas Martin, Crop Sciences)

37. Effects of Feeding Hybrid Rye on Adipose and Muscle Tissue During the Transition Period in Holstein Cows

Alexa Reavley, Senior, Animal Sciences, ACES
(Research Mentor(s): Lizet Garcia, Animal Sciences & Phil Cardoso, Animal Sciences)

38. Evaluation of a Botanical Feed Additive Effect on Growth and Immune Responses in Stress-Challenged Broilers

Bailey Watson, Junior, Animal Sciences, ACES
(Research Mentor(s): Ryan Dilger, Animal Sciences & Laney Froebel, Animal Sciences)

39. Evaluation of Corn Fermented Protein Products for Use in Dog Foods

Alyssa Matan, Senior, Animal Sciences, ACES
(Research Mentor(s): Kelly Swanson, Animal Sciences & Christina Vogel, Animal Sciences)

40. Exploring the Effects of Fescue Toxicosis on the Fecal Microbiota of Beef Cattle

Breven Stark, Junior, Animal Sciences, ACES
(Research Mentor(s): Camila Braz, Animal Sciences)

41. Functionalization of Hempseed Meal as a Low-Cost Protein Source to be Used in Meat Alternatives

Rabin Palanuwech, Senior, Food Science, ACES
(Research Mentor(s): Oguz Ozturk, Food Science & Human Nutrition)

42. Future Food Security: Climate Change's Effects on Root and Tuber Crop Yield

Elijah Becker, Junior, Integrative Biology, LAS
(Research Mentor(s): Daniel-Eneji Sani, Plant Biology)

43. Identification of a Mutation in the Maize Nutrient Signaling Gene ZmSPX4

Samantha Elrod, Senior, Plant Biotechnology, ACES
(Research Mentor(s): Stephen Moose, Crop Sciences & Nandan Rai, Crop Sciences)

44. Investigating Seed Germination and Dormancy Traits in Naturalized Hemp for Breeding Improved Varieties

Andres Lopez, Sophomore, Plant Biotechnology, ACES
(Research Mentor(s): Chance Riggins, Crop Science)

45. Lycopene Turnover in Mouse Tissues

Manaswini Mannam, Sophomore, Molecular & Cellular Biology, LAS
(Research Mentor(s): John Erdman, Food Science & Human Nutrition & Molly Black, Food Science & Human Nutrition)

46. Reconstructing the Butter Aroma in Shortbread: A Quantitative Approach to Flavor Chemistry

Julia Smith, Junior, Brain & Cognitive Science, LAS
(Research Mentor(s): Keith Cadwallader, Food Science & Human Nutrition & Hui-Erh (Angela) Chai, Food Science & Human Nutrition)

47. Taste Perception and Acceptability of Soy-Enriched Bread and Tortillas

Nurudeen Salaudeen, Senior, Interdisciplinary Health Sciences, AHS
(Research Mentor(s): Yanina Pepino, Food Science & Human Nutrition & Okoye Stephanie, Food Science & Human Nutrition)

48. The Use of Near Infrared Spectroscopy to Analyze the Fat and Moisture Content of Bacon

Keith Stewart, Junior, Animal Sciences, ACES
(Research Mentor(s): Anna Dilger, Animal Sciences & Jonathan McDonald, Animal Sciences)

PX Session - Health & Wellness

3:45 – 5:00 PM, Illini Rooms ABC & South Lounge

50. A Review of Mental Health Services Offered in Home-Visiting Programs Located in Indiana and Iowa

Lizbeth Pintor, Junior, Social Work, SSW
Karishma Mehta, Junior, Computer Science + Economics, LAS
Dhriti Patel, Sophomore, Interdisciplinary Health Sciences, AHS
Sofia Soriano, Senior, Social Work, SSW
(Research Mentor(s): Karen Tabb Dina, School of Social Work)

51. A Three-Way Acoustic Distinction in the Length of Thanjavur Marathi Stops

Vishwath Ganesan, Junior, Linguistics, LAS
(Research Mentor(s): Joshua Dees, Linguistics)

52. An In Vitro Experimental System for Muscle Formation

Sheila Navarrete, Sophomore, Kinesiology, AHS
(Research Mentor(s): Jie Chen, Cell & Developmental Biology & Allison Boss-Kennedy, Cell & Developmental Biology)

53. Assessing Trends in Activity Levels Before and After Eight Weeks: Physical Activity Program for People With Multiple Sclerosis

Zarina Naqvi, Sophomore, Molecular & Cellular Biology, LAS
Jenna Calma, Sophomore, Molecular & Cellular Biology, LAS
(Research Mentor(s): Chung-Yi Chiu, Health & Kinesiology & Vaishnavi Sridharan, Health & Kinesiology)

54. Clearing the Air: A Survey-Based Protocol on Examining Public Knowledge, Behavior, and Perceptions of Indoor Air Quality and Airborne Pathogen Mitigation

Anjali Surendran, Junior, Community Health, AHS
(Research Mentor(s): Sean Mullen, Health & Kinesiology & Xuan Lin, Health & Kinesiology)

55. Closing the Loop: Communicating Research Findings Back to the Communities That Informed Them

Savannah Guzman, Junior, Community Health, AHS
(Research Mentor(s): Andiaara Schwingel, Health & Kinesiology & Ana Selzer, Health & Kinesiology)

56. Correlation Between Muscle Performance Parameters With Functional Performance and Body Composition in Older Adults
Lili Frey, Junior, Kinesiology, AHS
 (Research Mentor(s): Emerson Sebastiao, Health & Kinesiology)

57. Dancing Towards Health: Increasing Physical Activity of Latinos Through Latin Dance
Joshua Medina, Junior, Kinesiology, AHS
 (Research Mentor(s): Susan Aguinaga, Health & Kinesiology & Diana Morales, Health & Kinesiology)

58. Determinants of Susceptibility and Resilience in Maternal Immune Activation: Insights From Neurodevelopmental Research
Shivya Paul, Senior, Psychology, LAS
 (Research Mentor(s): Adrienne Antonson, Animal Sciences & Arnav Kaushik, Neuroscience)

59. Developing a Web Application for Sustainable Lifestyle Change
Alyssa Choi, Junior, Nutrition & Health, ACES
Nora Winters, Junior, Nutrition & Health, ACES
Renzi Jin, Junior, Dietetics & Nutrition, ACES
 (Research Mentor(s): Manabu Nakamura, Food Science & Human Nutrition & Kayla Lammy, Food Science & Human Nutrition)

60. Diet Quality and Mental Health Symptom Severity
Avery Schultz, Junior, Dietetics & Nutrition, ACES
Nicoletta Spiliopoulos, Junior, Brain & Cognitive Science, LAS
Nathan Coates, Freshman, Interdisciplinary Health Sciences, AHS
Anna Zlatic, Junior, Dietetics & Nutrition, ACES
 (Research Mentor(s): Elizabeth Brandley, Nutritional Sciences)

61. Domestic Robot Support for Successful Aging — A Journey Through Planning, Design, and Implementation
Afnaan Afsar Ali, Senior, Community Health, AHS
 (Research Mentor(s): Wendy Rogers, Health & Kinesiology & Samuel Olatunji, Health & Kinesiology)

62. Effect of Additional Leg Resistance Training on Body Composition in Older Adults Engaged in Community-Based Physical Activity Programs: Preliminary Results
Amanda Lee, Sophomore, Kinesiology, AHS
 (Research Mentor(s): Emerson Sebastiao, Health & Kinesiology)

63. Examining Heart Rate Variability and its Relation to Emotional and Physical Health After a 6-Week Yoga Class for Individuals With Chronic Pain
Claire Skowron, Sophomore, Integrative Biology, LAS
 (Research Mentor(s): Stephanie Voss, Health & Kinesiology)

64. Exploring Hazardous Alcohol Use Among a Sample of United States Healthcare Workers
Owen Rusche, Sophomore, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Rachel Hoopsick, Health & Kinesiology)

65. Feasibility of Virtual Reality for Speech Therapy Services
Bella Lopez, Junior, Speech & Hearing Science, AHS
Kaliyah House-Henry, Freshman, Speech & Hearing Science, AHS
 (Research Mentor(s): Charles Nudelman, Speech & Hearing Science & Pasquale Bottalico, Speech & Hearing Science)



66. Gestational Diabetes Management: The Tale of Two Clinics
Zara Mkrtchian, Senior, Community Health, AHS
 (Research Mentor(s): Sandraluz Lara-Cinisomo, Health & Kinesiology)

67. Grid Games: A Web-Based Cognitive-Motor Training Platform for Brain and Body Health
Trinity Shin, Sophomore, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Sean Mullen, Health & Kinesiology)

68. Implementation of Transdisciplinary Development Framework in Mindfulness-Based Eudaimonic Wellbeing
Benjamin Yim, Sophomore, Psychology, LAS
 (Research Mentor(s): Ryan Santens, Health & Kinesiology & Wendy Rogers, Health & Kinesiology)

69. Investigating Step Count and Intensity During the Square-Stepping Exercise in Older Adults
Yu Zheng, Freshman, Interdisciplinary Health Sciences, AHS
 (Research Mentor(s): Emerson Sebastiao, Health & Kinesiology)

70. Majority Achieve Long-Term Weight Loss in a Novel Online Dietary and Lifestyle Program
Bennett Duggan, Senior, Nutrition & Health, ACES
Arela Faibisoff, Junior, Nutrition & Health, ACES
 (Research Mentor(s): Asma Yahya, Nutritional Sciences & Manabu Nakamura, Nutritional Sciences)

71. Making Electronic Medical Records More Intuitive for Individuals With Low Digital Literacy
Khushi Kayastha, Sophomore, Psychology, LAS
 (Research Mentor(s): Tim Hale, Health & Kinesiology)

72. Persuasive Strategies Used in Prescribed Weight Loss Medication Advertisements on Social Media

Allison Stortzum, Sophomore, Communication, LAS
(Research Mentor(s): Minhey Chung, Communication)

73. Physical Activity Behavior on the Relationship Between Predicted and Experienced Affect During Exercise

Lydia Burger, Sophomore, Kinesiology, AHS
Isabel Bemont, Junior, Kinesiology, AHS
(Research Mentor(s): Steve Petruzzello, Health & Kinesiology & Jonathan North, Health & Kinesiology)

74. Recruitment and Retention of Disadvantaged Adults for a Community-Based Implementation of Mindfulness-Based Eudaimonic Wellbeing

Julia Stelter, Sophomore, Kinesiology, AHS
(Research Mentor(s): Ryan Santens, Health & Kinesiology & Wendy Rogers, Health & Kinesiology)

75. Sex Differences in Leg Muscle Performance, Fatigue and Body Composition in Older Adults

Sandra Foxgrover-O'Malley, Senior, Kinesiology, AHS
(Research Mentor(s): Emerson Sebastiao, Health & Kinesiology & Vitor Siqueira, Health & Kinesiology)

76. Systematized Review of Shunt Technologies Used in the Treatment of Hydrocephalus

Yasmine Khan, Senior, Bioengineering, ENG
Anh Nguyen, Centennial High School
Yuliia Kohut, Freshman, Bioengineering, ENG
Noreen Adoni, Freshman, Neuroscience, LAS
Cindy Chen, Sophomore, Neural Engineering, ENG
Safa Thameem, Centennial High School
(Research Mentor(s): Catherine Best-Popescu, Bioengineering)

77. The Effect of Message Fatigue on Attention to Mental Health Messages

Ayushi Maskey, Junior, Statistics & Computer Science, LAS
(Research Mentor(s): Alice Ji, Advertising)

78. The Effects of Caspase-1 Inhibition on IL-1 β

Ashley Wuebbels, Senior, Animal Sciences, ACES
(Research Mentor(s): Andrew Steelman, Animal Sciences & Trinity Briggs, Animal Sciences)

79. The Effects of Meeting Recommended Physical Activity Guidelines on Mental Health and Harmful Substance Intake

Collin Janusz, Junior, Kinesiology, AHS
(Research Mentor(s): Rafael Miranda Tassitano, Health & Kinesiology)

80. The Morphological and Functional Effects of Di(2ethylhexyl) Phthalate and Trolox Exposure on the Colon of Adult Female Mice

Andrea Wade, Sophomore, Parkland College
(Research Mentor(s): Romana Nowak, Animal Sciences & Angel Martinez, Animal Sciences)

81. Bridging Research and Practice: Implications for Addressing Challenges Related to Traumatic Brain Injury

Jillian Fanning, Junior, Kinesiology, AHS
(Research Mentor(s): Wendy Rogers, Health & Kinesiology & Tooba Umar, Health & Kinesiology)

82. Unlocking Potential: The Day After Physical Therapy Attendance on Movement Behaviors in Children With Cerebral Palsy

Brina Arvanetes, Junior, Kinesiology, AHS
(Research Mentor(s): Rafael Tassitano, Health & Kinesiology)

83. Verbal Stress Patterns of Second Language Learners of Spanish

Caprice Conder, Senior, Spanish, LAS
Elise Ionin, Freshman, Statistics, LAS
Aaron Poetzel, Freshman, Finance + Data Science, BUS
Livia Byrne, Senior, Linguistics, LAS
(Research Mentor(s): Izaro Bedialauneta Txurruka, Spanish & Portuguese & Jose Hualde, Spanish & Portuguese)

PY Session - Learning & Human Development

3:45 – 5:00 PM, Illini Rooms ABC & South Lounge

85. "Who's not Here?": Fostering a Critical Statistical Literacy Habit of Mind

Reem Kharfan, Sophomore, Psychology, LAS
(Research Mentor(s): V. N. Vimal Rao, Statistics)

86. A Debate Activity to Promote Critical Thinking in Statistics

Aman Ravishankar, Sophomore, Statistics & Computer Science, LAS
(Research Mentor(s): V. N. Vimal Rao, Statistics)

87. Carry the One, Support the Kid: The Role of Parents' Efficacy for Helping With Math Homework in Autonomy Support and Affect

Azhura Viandrya, Sophomore, Psychology, LAS
Olivia Zhang, Junior, Psychology, LAS
(Research Mentor(s): Jiawen Wu, Psychology)

88. Cognitive Contributions to Recognizing Digits in Noise

Talah Goldfarb, Freshman, Neuroscience, LAS
(Research Mentor(s): Dan Fogerty, Speech & Hearing Science)

89. Comparing Grammatical Complexity Scores From Structured and Spontaneous Language Samples

Alexis Kent, Senior, Speech & Hearing Science, AHS
(Research Mentor(s): Pamela Hadley, Speech & Hearing Science & Tracy Preza, Speech & Hearing Science)

90. Development of Kindergarten and First Grade Informational Writing

Stacey Pontikes, Junior, Speech & Hearing Science, AHS
Jenna Quafisheh, Junior, Speech & Hearing Science, AHS
Ava Amabile, Sophomore, Speech & Hearing Science, AHS
(Research Mentor(s): Meaghan McKenna, Speech & Hearing Science)

91. Do Maternal Vocalizations Moderate the Association Between Maternal Depressive Symptoms and Infant Emotional Regulation?

Praise Kim, Sophomore, Brain & Cognitive Science, LAS
Abir Sun, Senior, Psychology, LAS
Liz Valdivia, Junior, Psychology, LAS
(Research Mentor(s): Nancy McElwain, Human Development & Family Studies)

92. Gender Differences in Emotion Recognition After Acute Alcohol Consumption

Annis Byram, Senior, Psychology, LAS

(Research Mentor(s): Catharine Fairbairn, Psychology & Silvia Murgia, Psychology)

93. How Do Reggio Emilia Style Schools Use Collaboration to Foster Community?

Brooke Ipsen, Freshman, Elementary Education, EDU

Rose Joshi, Freshman, Secondary Education, EDU

(Research Mentor(s): Ali Lewis, University Primary School)

94. Impact of Student Teaching Abroad on Educators' First Years of Teaching

Ragen Carey, Sophomore, Elementary Education, EDU

(Research Mentor(s): Adam Poetzel, Curriculum & Instruction)

95. Inclusivity and Solidarity in the Classroom: A Workbook for Educators

Emma Greenberg, Freshman, Secondary Education, EDU

(Research Mentor(s): Asif Wilson, Curriculum & Instruction)

96. Investigating Kindergarten Sentence Structure

Jenna Quafisheh, Junior, Speech & Hearing Science, AHS

Ava Amabile, Sophomore, Speech & Hearing Science, AHS

Emily Kinel, Junior, Speech & Hearing Science, AHS

Dorota Wulw, Senior, Speech & Hearing Science, AHS

Nicole Peters, Senior, Speech & Hearing Science, AHS

Tess Hartsfield-Richey, Senior, Speech & Hearing Sciences, AHS

(Research Mentor(s): Meaghan McKenna, Speech & Hearing Sciences)

97. Neighborhood Factors Shape White Children's Understanding of Bias and Discrimination

Tiffany Williams, Senior, Psychology, LAS

(Research Mentor(s): Michael Rizzo, Psychology & Tim Chao, Psychology)

98. Online vs Face-to-Face Education - The Pros & Cons for a Better Educational Experience

Emily Wu, Freshman, Undeclared, DGS

(Research Mentor(s): Mark Wolters, Business Administration)

99. Potential Effects of Self-Regulated Strategy Development on Writing Skills of High Schoolers With Learning Disabilities

Baylie Farmer, Freshman, Special Education, EDU

(Research Mentor(s): Amber Ray, Special Education)

100. Teaching in Tandem: How Personality and Teaching Identity Impact Co-Teaching Dynamics and Effectiveness in Online Multicultural Classrooms (iGlobal Program)

Ryan McMahon, Sophomore, Secondary Education, EDU

Andrea Sosa-Lopez, Junior, Elementary Education, EDU

Mishal Nizar, Junior, Early Childhood Education, EDU

(Research Mentor(s): Jacob Minniear, Office of International Programs)

101. Teaching the Archives: Connecting Black Students With History Through Archival Inquiry in Chicago Public Schools

Kenneth Strong, Senior, Information Systems, BUS

(Research Mentor(s): Chris Getowicz, Education Policy, Organization & Leadership)

102. Textbook Modality: Understanding What Affects Student Preference

Taylor Herman, Sophomore, Food Science, ACES

(Research Mentor(s): Toni Gist, Food Science & Human Nutrition)

103. The Gut-Brain Connection: How Microbial Diversity and Food Fussiness May Shape Executive Function in Early Childhood

Madison Helms, Senior, Human Development & Family Studies, ACES

(Research Mentor(s): Kelly Bost, Human Development & Family Studies & Samantha Iwinski, Human Development & Family Studies)

104. The Transition From High School to Adulthood for Special Education Students in Rural Areas

Lucy Johnson, Freshman, Special Education, EDU

(Research Mentor(s): Michele Schutz, Special Education & Madison Ross, Special Education)

105. To Code or Not to Code: The Differences Between Automatic and Manual Coding of Language Transcripts

Mac Dooley, Senior, Speech & Hearing Science, AHS

Chloe Walner, Junior, Speech & Hearing Science, AHS

Simona Chalcakova, Senior, Speech & Hearing Science, AHS

(Research Mentor(s): Laura Mattie, Speech & Hearing Science)

106. Trying to Connect: Overcoming Barriers to Global Collaboration at the Middle School Level

Arianna Pardo, Sophomore, Information Sciences + Data Science, SIS

Sophie Lechleitner, Sophomore, Elementary Education, EDU

Maharsh Jani, Freshman, CS + Education, EDU

Ava Volanti, Junior, Elementary Education, EDU

Karla Castro, Junior, Elementary Education, EDU

Emily Crosswell, Junior, Elementary Education, EDU

(Research Mentor(s): Allison Witt, Education Policy, Organization & Leadership)

107. Understanding Semantic Development of Language Within Children via Neural Networks

Naveed Ahmed, Sophomore, Statistics, LAS

(Research Mentor(s): Jon Willits, Psychology)

108. Measuring Student Comprehension of the Simulation Process and its Product: An Analysis Contrasting Ownership of Modeling Simulations Versus Using Pre-Built Applets

Luke Thorell, Junior, Statistics, LAS

Elen Huang, Senior, Food Science, ACES

(Research Mentor(s): Kit Clement, Statistics)

PZ Session - Social Science & Human Behavior

3:45 – 5:00 PM, Illini Rooms ABC & South Lounge

110. "It's Just Quantitative": Exploring Students' Detection of Biases in Data Visualizations

Mia Petrie, Sophomore, Middle Grades Education, EDU

Madeline Hunt, Junior, Psychology, LAS

(Research Mentor(s): Kelly Findley, Statistics & V. N. Vimal Rao, Statistics)

111. *An Ambulatory Analysis of Drinking Motives, Alcohol Use, and Social Familiarity in an AUD Population*

Jameson Huge, Junior, Psychology, LAS

(Research Mentor(s): Catharine Fairbairn, Psychology & Jaime Shields, Psychology)

112. *Assessment of Disintegration as a Model of Psychosis Proneness*

Kristine Chong, Senior, Psychology, LAS

(Research Mentor(s): Thomas Kwapil, Psychology & Alysia Berglund, Psychology)

113. *Behavioral Performance on Prospective Memory and its Relation to Performance on Neuropsychological Assessment Measures*

Sneha Nippani, Sophomore, Neuroscience, LAS

Smira Sonthalia, Freshman, Neuroscience, LAS

Shansa Viswanathan, Junior, Brain & Cognitive Science, LAS

(Research Mentor(s): Raksha Mudar, Speech & Hearing Sciences & Eliza Baby, Speech & Hearing Sciences)

114. *Biculturalism and Cultural Frames on Body Idealizations in East Asian American Women*

Claire Gao, Junior, Psychology, LAS

(Research Mentor(s): Dov Cohen, Psychology & Bryan Pang, Psychology)

115. *Black Racial Identity and Anxiety: The Role of Private Regard in Men and Women*

Denaiya Pendleton, Senior, Psychology, LAS

(Research Mentor(s): Kameron MacNear, Psychology & Carla Hunter, Psychology)

116. *Body Image and Self-Esteem: Examining the Difference Across Sexual Orientations and Gender Identities*

Ruofan Zhang, Junior, Psychology, LAS

(Research Mentor(s): D. A. Briley, Psychology & Viki Xu, Psychology)

117. *Bridging Space and Time in Relational Memory: Behavioral and ERP Evidence of Enhanced Spatiotemporal Integration by Emotion*

Jacob Faibishenko, Senior, Psychology, LAS

(Research Mentor(s): Florin Dolcos, Psychology & Sanda Dolcos, Psychology)

118. *Challenges and Opportunities for Promoting Visual Data Literacy*

Madeline Hunt, Junior, Psychology, LAS

Mia Petrie, Sophomore, Middle Grades Education, EDU

(Research Mentor(s): V. N. Vimal Rao, Statistics & Kelly Findley, Statistics)

119. *Comparative Study of Three Methods of Univariate Stature Estimation Based on Maximum Femur Length*

Aedan Prindable, Senior, Anthropology, LAS

(Research Mentor(s): Lyle Konigsberg, Anthropology)

120. *Examining the Effect of Listener Head Motion on a Spatial Identification Task*

Vani Putheti, Sophomore, Neuroscience, LAS

(Research Mentor(s): Brian Monson, Speech & Hearing Science & Rohit Ananthanarayana, Speech & Hearing Science)

121. *Finding Harmony: Exploring How Diversity Ideologies Relate to a Congregants' Sense of Belonging*

Isabela Castilla, Senior, Psychology, LAS

Bryana Perez, Sophomore, Psychology, LAS

(Research Mentor(s): Brenda Straka, Psychology & Ceanna Loberg, Psychology)

122. *Football and Experiences of Aging: How Athletic Identities Play Into Self-Perceptions of Aging*

Seungjae Cho, Sophomore, Chemistry, LAS

(Research Mentor(s): Shannon Mejia, Health & Kinesiology)

123. *Fostering Belonging Fulfillment: Examining the Impact of Academic Community Engagement by Institutional Type*

Lindsey Sales, Senior, Psychology, LAS

(Research Mentor(s): Taiylor Rayford, Educational Psychology)

124. *Group Differences in Resting-State EEG in Age-Related Hearing Loss*

Jaya Ashrafi, Senior, Brain & Cognitive Science, LAS

Klaudia Siczka, Freshman, Interdisciplinary Health Sciences, AHS

(Research Mentor(s): Raksha Mudar, Speech & Hearing Science)

125. *Impact of Dysphonia on Vowel Recognition in Children: Implications for Speech-in-Noise Perception in Educational Settings*

Isabella Lau, Senior, Speech & Hearing Science, AHS

Emma Morrical, Junior, Speech & Hearing Science, AHS

Nicole Unsihuay Vila, Pontificia Universidad Católica del Peru

(Research Mentor(s): Mary Flaherty, Speech & Hearing Sciences)

126. *Measuring University of Illinois Urbana-Champaign Student's Knowledge on Information Security Concepts Based on Student Demographics*

Alejandra Arias, Junior, Information Sciences + Data Science, SIS

(Research Mentor(s): Jiangping Chen, School of Information Sciences)

127. *Mixed-Methods Study of Discriminatory Experiences Among Trans Women of Color*

Teresa Huang, Senior, Psychology, LAS

(Research Mentor(s): Brenda Straka, Psychology)

128. *Motivational and Cognitive Scaffolding as a Writing Tutor Tool*

Serena Naji, Sophomore, English, LAS

(Research Mentor(s): Carolyn Wisniewski, Center for Writing Studies)

129. *Neuroeconomics of Hydroponic Produce: Do Consumers "Think Green" or "Act Green"?*

Akshaya Venkatesh, Junior, Econometrics & Quantitative

Economics, LAS

(Research Mentor(s): Shadi S Atallah, Center for the Economics of Sustainability & Muhammad Jawad Khan, Center for the Economics of Sustainability)

130. *Occurrence of Disfluencies in Spoken Language*

Mallika Pallipuram, Senior, Information Sciences, SIS

(Research Mentor(s): Jessica Montag, Psychology)

131. *Recasting Credibility Work Using a Culture-Centered Approach: South Asian Women's Experiences Managing Chronic Health Issues*
Amy Guzaro Cruz, Sophomore, Communication, LAS
(Research Mentor(s): Sara Babu, Communication & Charee Mooney Thompson, Communication)

132. *Terror Discourse: Social Media's Response to Counter-Terrorism Events*
Mihir Sharma, Freshman, Global Studies, LAS
Nina Issel, Sophomore, Journalism, COM
(Research Mentor(s): Young Gong, Political Science)

133. *The Impact of Mindless Scrolling on Dopamine Regulation and its Parallels to Gambling Addiction*
Pushti Vora, Junior, Brain & Cognitive Science, LAS
(Research Mentor(s): Kevin Wise, Advertising)

134. *The Influence of Parental Relationships on Adolescent Girls' Future Relationships*
Paige Fudacz, Sophomore, Political Science, LAS
(Research Mentor(s): Michael Lotspeich-Yadao, Sociology)

135. *The Psychological Burden of Racial Trauma: Self-Blame, Just-World Beliefs, and Political Efficacy*
Soovin Lee, Freshman, Psychology, LAS
Andrew Izadyar, Senior, Psychology, LAS
(Research Mentor(s): Alesha Lewis, Political Science)

136. *The Psychological Effects of Social Exclusion on East Asian-American College Students in Relation to Multicultural Identity*
Abir Sun, Senior, Psychology, LAS
(Research Mentor(s): Bill Silvia, Psychology & Brenda Straka, Psychology)

137. *The Role of Media and Expert Engagement in Transforming Perceptions of Agriculture*
Samantha Lao, Sophomore, Animal Sciences, ACES
(Research Mentor(s): Jenna Girman, Animal Sciences)

138. *Review of Creatively Constructed Lesson Planning and its Effects on Elementary School Students*
Joseph Delulio, Junior, Art Education, FAA
(Research Mentor(s): Jennifer Bergmark, Art Education)

139. *Shaping Corporate America: The Historical Shift Toward Shareholder Primacy*
Annabelle Lu, Senior, Psychology, LAS
(Research Mentor(s): Yusaku Takeda, Business Administration & Nick Bonanno, Illinois Leadership Center)

Image of Research Competition

Each image you see in this section has an accompanying narrative.
You can read the narratives that go along with each submission at:

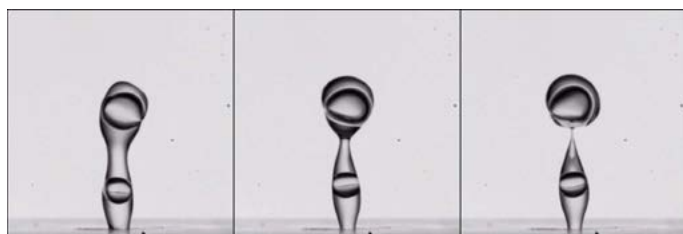
go.illinois.edu/IOR_Entries

The Image of Research is a multidisciplinary competition celebrating the diversity and breadth of undergraduate student research at the University of Illinois Urbana-Champaign. All undergraduate students were invited to submit entries consisting of an image and brief text that articulates how the image relates to the research.

The Image of Research – UR Edition is organized by the University Library and the Office of Undergraduate Research and is supported by a generous gift from the Teaching, Learning, and Academic Support unit in the University Library.

2025 Competition Judges

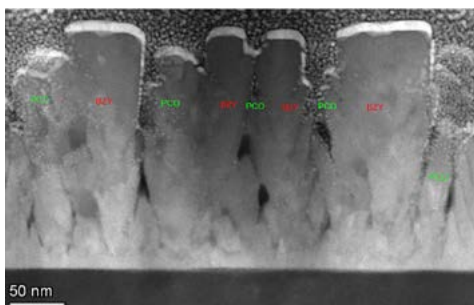
- **Merinda Kaye Hensley**, University Library
- **Nathan Murphy**, Undergraduate Student
- **Rachel Mulick**, Undergraduate Student
- **Trix Welch**, Graduate Student
- **Maura Shoshana-Duggan Last**, Graduate Student
- **Claire Stevenson**, Graduate Student
- **Elizabeth Rockman**, Campus Honors Program
- **Chris Holmes**, Office of Undergraduate Research



Surprising Dynamics of Hollow Droplet Impact on Solid Surfaces
Sawyer Eaton, Senior, Mechanical Science & Engineering, ENG



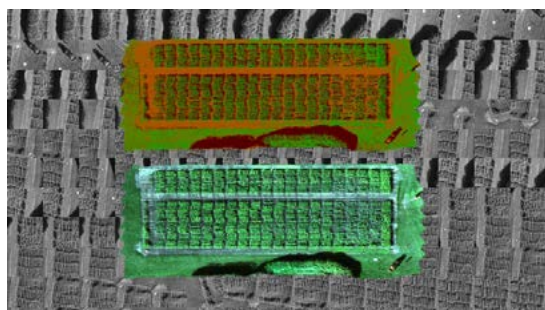
Impact of Different Exercise Conditions on Square-Stepping Exercise Intensity in Older Adults
Charles Gentle, Freshman, Health & Kinesiology, AHS



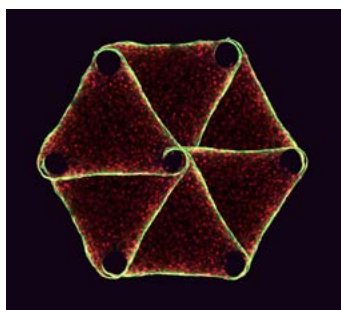
Promoting Sustainable Energy Production Through Nano-Sized Pillars
Yoav Malka, Senior, Materials Science & Engineering, ENG



Interstates: The American Mirage
William Hohe, Senior, Photography, FAA



Compiling Images to Show the Greenery of Champaign Corn Fields
Anna Ondrejckova, Senior, Industrial & Enterprise Systems Engineering, ENG



Structural Resonance: The Harmony of a Triangular Liver Organoid
Katie Zobus, Junior, Bioengineering, ENG



Iron Resolve
Lili Frey, Junior, Kinesiology & Community Health, AHS

To view past entries, please visit: go.library.illinois.edu/pastwinners



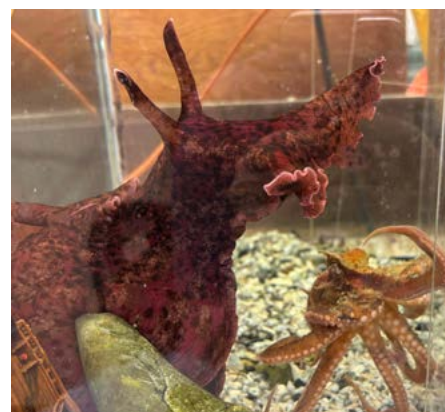
Love at a Microscopic Scale: Heart in Brain Tissue

Aarav Pathak, Sophomore, Molecular & Cellular Biology, LAS



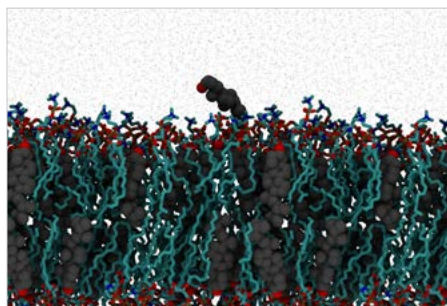
Psychological Motivation Factors That Enhance Confidence and Participation in Sports Among Students With Poor Physical Fitness

Luyang Si, Senior, Information Sciences + DS, SIS



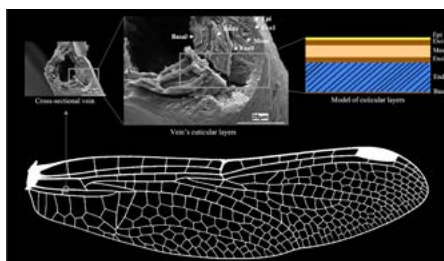
Dancing With Mimicry

Paige Henley, Junior, Molecular & Cellular Biology, LAS



Cholesterol's Great Escape!

Zaeem Qureshi, Junior, Bioengineering, ENG



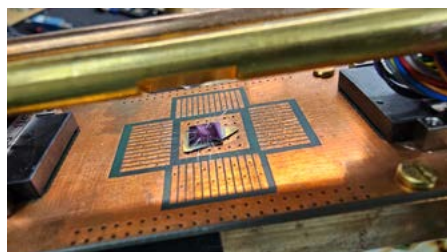
Nature's Architecture

Sonya Luebbers, Freshman, Integrative Biology, LAS



Chasing Cultural Authenticity: Echoes of the Kankanaey in the Midwest

Gabrielle Wolf, Senior, Anthropology, LAS



Quantum Echoes: The Dance of Electrons and Our Existence

Shreyanka Sinha, Junior, Physics, ENG



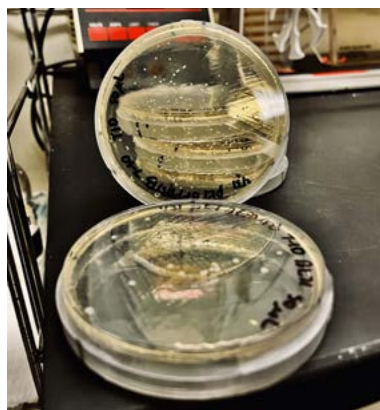
Driving Hope: The Outreach House Van and the Fight Against Food Insecurity

Ian Zubrickas, Freshman, Health & Kinesiology, AHS



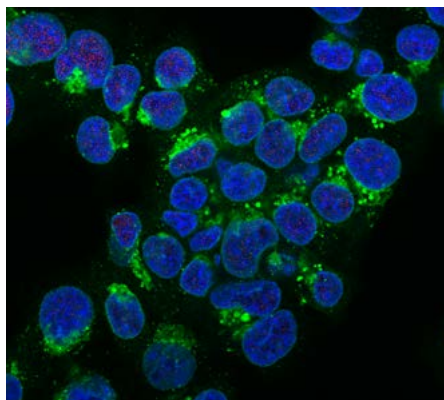
Screening for the One in a Million

Logan Talmage, Senior, Biochemistry, LAS



Cultures of Discovery: The Humble Journey of Escherichia coli

Alexander Kim, Freshman, Chemistry, LAS



Connecting at the Cellular Level: A Novel Click-Chemistry Based Visualization of Bile Acid Reuptake

Alexander Chaikin, Senior, Molecular & Cellular Biology, LAS



The Creation of a Hand

Yasmine Khan, Senior, Bioengineering, ENG

Celebrating Our Student Scholars

The Office of Undergraduate Research (OUR) is committed to supporting Illinois undergraduates in all aspects of their research endeavors. Through Conference Travel Grants and Research Support Grants, OUR offers financial support to fund students' research and creative activities across all disciplines on campus. For more information on these grants and how they may support you during your research journey, please contact OUR.

Research Support Grant

The Research Support Grant (RSG) provides students from all disciplines with the funds necessary to conduct research or creative projects during the academic year both on and off campus (including summer terms). Awards will be up to \$2,000 and are meant to cover research travel costs, living expenses incurred during academic breaks, and materials or other ancillary costs.

For more information, please visit: go.illinois.edu/OUR_RSG

AWARDEES:



Characterizing Maternal Investment Strategies in Two Populations of Threespine Stickleback Fish
Annika Bagazinski, Junior, Integrative Biology, LAS
(Research Mentor(s): Alison Bell, Evolution, Ecology & Behavior)



Novel Behavioral Assays in Anemonefish
Gabriel Graham, Senior, Psychology, LAS
(Research Mentor(s): Justin Rhodes, Psychology)



Analysis of Different Fused Silica Fibers Irradiated in the Run 3 of the LHC
Sude Baltaci, Junior, Astrophysics, LAS
(Research Mentor(s): Riccardo Longo, Physics)



Overheard Utterances Project
Lucy Keigher, Sophomore, Speech & Hearing Science, AHS
(Research Mentor(s): Jessica Montag, Psychology)



Connecting School With Life: Georgians' Responses to Nikita Khrushchev's 1958-59 School Reform
William Doty, Junior, History, LAS
(Research Mentor(s): Anna Whittington, History)



Case Evaluation of UIPD's REACH Team
Alina Loewenstein, Senior, Psychology, LAS
(Research Mentor(s): Rachel Garthe, Social Work)



Embers of the Eastern Question: The Turkish Security Dilemma and Great Power Strategy
Anthony Erkan, Senior, History, LAS
(Research Mentor(s): Stefan Djordjevic, History)



Using Student Reflection and Focus Groups to Improve an Undergraduate Bioengineering Transport Course
Sarah Meece, Senior, Bioengineering, ENG
(Research Mentor(s): Caroline Cvetkovic, Bioengineering)



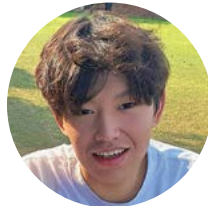
Teasing Apart the Effects of Modality and Task on the Orthographic Representation of /s/ in Spanish
Kamela Parker, Senior, Global Studies, LAS
 (Research Mentor(s): Luis Gaytan-Soto, Spanish & Portuguese)



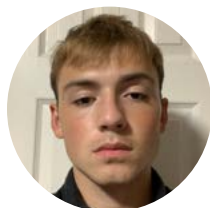
Improving Agricultural Field Boundary Delineation With Computer Vision and Satellite Imagery
Seth Van Hoveln, Senior, Engineering Technology & Management for Agricultural Systems, ACES
 (Research Mentor(s): Sunoj Shajahan, Agricultural & Biological Engineering)



EcoCiMA: Integrating Community-Driven Coastal Ecosystem Rehabilitation via Geospatial Analysis
Nora Schnulle, Senior, Agricultural & Biological Engineering, ENG
 (Research Mentor(s): Luis Rodriguez, Agricultural & Biological Engineering)



Spatial Models of Evolutionary Dynamics With Environmental Feedbacks
Tianyong Yao, Sophomore, Engineering Physics, ENG
 (Research Mentor(s): Daniel Cooney, Mathematics)



STEP: Unraveling its Impact on Seizure Protection and Temporal Lobe Epilepsy
Logan Silzer, Sophomore, Molecular & Cellular Biology, LAS
 (Research Mentor(s): Hee Jung Chung, Molecular & Integrative Physiology)

Conference Travel Grant

The Conference Travel Grant (CTG) provides undergraduate students with awards of up to \$400 to subsidize costs associated with presenting their research posters, papers, or creative works at in-person and virtual professional conferences. This year, we proudly supported 31 students in presentations of their scholarly and creative endeavors at a wide range of in-person and virtual conferences.

For more information, please visit: go.illinois.edu/OUR_CTG

WINNERS



Characterization and Performance Evaluation of New PMTs for ATLAS and CMS HL-ZDC Using a Table-top Test Setup
Aadhavan, Junior, Engineering Physics, ENG
 (Research Mentor(s): Matthias Grosse Perdekamp, Physics)



Effects of Task and Sensor Location on Tremor Identification in the Upper Extremities
Alexander Chang, Junior, Bioengineering, ENG
 (Research Mentor(s): Manuel Hernandez, Health & Kinesiology)



Culturally Tailored Sexual Health Education: Evaluating a Podcast's Reach Among South Asian Women
Esha Aggarwal, Sophomore, Marketing, BUS
 (Research Mentor(s): Aamek Bindra, Carle Illinois College of Medicine)



Nuclear Latency and the Shaping of Russian Foreign Policy Rhetoric
Camille Dolce, Senior, Statistics, LAS
 (Research Mentor(s): Nora Webb Williams, Political Science)



Analysis of Different Fused Silica Fibers Irradiated in the LHC TAN During the 2023 Heavy Ion Run
Sude Baltaci, Junior, Astrophysics, LAS
 (Research Mentor(s): Matthias Grosse Perdekamp, Physics)



Meta-Analysis of the Association between Power and Satisfaction in Romantic Partnerships
Khushi Galpalli, Sophomore, Psychology, LAS
 (Research Mentor(s): Brian Ogolsky, Human Development & Family Studies)



Analysis of Angular-Differential Post-Processing Algorithms for Exoplanet Direct Detection With a Photonic Lantern Nuller
Suvinay Goyal, Junior, Astrophysics, LAS
 (Research Mentor(s): Dimitri Mawet, California Institute of Technology)



AI on My Shoulder: Supporting Emotional Labor in Front-Office Roles With an LLM-Based Empathetic Coworker
Jash Parekh, Senior, Computer Science, ENG
 (Research Mentor(s): Koustuv Saha, Siebel School of Computing and Data Science)



RF Modeling for Fusion Applications Using Weak Form Contributions for Spatial Dispersion in COMSOL
Jack Granat, Senior, Physics, LAS
 (Research Mentor(s): Thomas Jonsson, KTH Royal Institute of Technology)



Exploring Heritage Speakers, L2s, and Monolinguals' Typed Writing Strategies: Evidence From Stimulated Recalls
Kamela Parker, Senior, Global Studies, LAS
 (Research Mentor(s): Melissa Bowles, Spanish & Portuguese)



Exploring Recurrent Neural Network Dynamics in Tai Chi Practitioners
Prakhar Gupta, Junior, Computer Engineering, ENG
 (Research Mentor(s): Manuel Hernandez, Carle Illinois College of Medicine)



Validating microRNA Concentrations in Prostate Cancer Cells to Correlate With Prostate Cancer Stage
Trisha Patnaik, Senior, Bioengineering, ENG
 (Research Mentor(s): Andrew Smith and Siva Nalla, Bioengineering)



Sensor-Invariant Tactile Representation
Harsh Gupta, Junior, Computer Engineering, ENG
 (Research Mentor(s): Wenzhen Yuan, Siebel School of Computing & Data Science)



A Toolbox for Generating Subject-Specific Femur Model From Computed Tomography Scan
Jack Ren, Senior, Mechanical Engineering, ENG
 (Research Mentor(s): Hieu Hoang, Electrical & Computer Engineering)



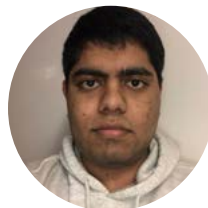
Bringing Verification-Aware Languages to Formal Verification of Federated Authentication Protocols
Bach Hoang, Junior, Mathematics & Computer Science, ENG
 (Research Mentor(s): Phuong Cao, National Center for Supercomputing Applications)



Perceptions of Office Settings
Lanie Riese, Senior, Psychology, LAS
 (Research Mentor(s): Kimberly Rios, Psychology)



PLAID: Supporting Computing Instructors to Identify Domain-Specific Programming Plans at Scale
Yoshee Jain, Junior, Computer Science, ENG
 (Research Mentor(s): Kathryn Cunningham, Siebel School of Computing and Data Science)



Dequantization and Color Transfer With Diffusion Models
Faaris Shaik, Senior, Mathematics & Computer Science, LAS
 (Research Mentor(s): David Forsyth, Computer Science)



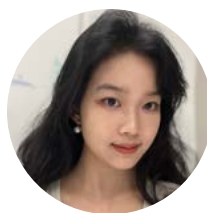
*Iron Content Influences the Growth of Endometrial Cancer Bacterial Biomarker *Porphyromonas somerae**
Rene Mohammadi, Senior, Mechanical Engineering, ENG
 (Research Mentor(s): Marina Walther Antonio, Mayo Clinic)



Post-Quantum Cryptography (PQC) Network Instrument: Measuring PQC Adoption Rates and Identifying Migration Pathways
Jakub Sowa, Senior, Computer Science, ENG
 (Research Mentor(s): Phuong Cao, National Center for Supercomputing Applications)



Dietary Intake and Depression Status Among College Students: A Pilot Study
Nicoletta Spiliopoulos, Sophomore, Undeclared, DGS
 (Research Mentor(s): Yuan-Xiang Pan, Food Science & Human Nutrition)



Ultrasound Over Ethernet: Pathway to Enormous Channel Count Ultrasound System
Marcia Yu, Senior, Computer Engineering, ENG
 (Research Mentor(s): Michael Oelze, Electrical & Computer Engineering)



Effects on Mechanophore Activation by Location in Lamellar Microphase Separated Triblock Copolymers
Staci Strader, Senior, Materials Engineering, ENG
 (Research Mentor(s): Antonia Statt, Materials Science & Engineering)



SLM-Mod: Small Language Models Surpass LLMs at Content Moderation
Xianyang Zhan, Senior, Computer Science, ENG
 (Research Mentor(s): Koustuv Saha, Computer Science)



Social Gesture Recognition in spHRI: Leveraging Fabric-Based Tactile Sensing on Humanoid Robots
Xiping Sun, Senior, Computer Science, ENG
 (Research Mentor(s): Wenzhen Yuan, Siebel School of Computing and Data Science)



Review and Revamp of Compositional Data Transformation: A New Framework Combining Proportion Conversion and Contrast Transformation
Yiqian Zhang, Senior, Statistics & Mathematics, LAS
 (Research Mentor(s): Liangliang Zhang, Case Western Reserve University)



CoRNStack: High-Quality Contrastive Data for Better Code Retrieval and Reranking
Tarun Suresh, Junior, Statistics and Computer Science, LAS
 (Research Mentor(s): Heng Ji, Siebel School of Computing and Data Science)



Language Agent Tree Search Unifies Reasoning Acting and Planning in Language Models
Andy Zhou, Senior, Computer Science, ENG
 (Research Mentor(s): Yuxiong Wang, Computer Science)



Students for Change: Activating Campus Communities to Combat Sexual and Dating Violence
Sydney Turner, Senior, Psychology & Communication, LAS
 (Research Mentor(s): Nora Peterson, Women's Resources Center)



Impacts of Microenvironmental Modulation on Liver Cell Fate
Katie Zobus, Junior, Bioengineering, ENG
 (Research Mentor(s): Gregory Underhill, Bioengineering)



The Moderating Role of Emotional Competence in the Effect of Need for Approval on Anxiety in Youth
Norah Yao, Senior, Psychology, LAS
 (Research Mentor(s): Karen Rudolph, Psychology)

Maleiha Carino Foundation Scholarship for Cancer Research Advancement

The Maleiha Carino Foundation Scholarship for Cancer Research Advancement honors the legacy of Maleiha Carino, a Filipino-American who tragically passed away from pediatric cancer in 2014. This scholarship recognizes outstanding contributions made by undergraduate researchers at the University of Illinois Urbana-Champaign in the field of cancer research. This encompasses various aspects of cancer research, including basic, translational, clinical, and social/cultural dimensions.

This scholarship is generously supported by the Maleiha Carino Foundation.

AY 2024-2025 AWARDEES



Alexander Kim, Freshman,
Molecular & Cellular Biology, LAS



Marko Ortiz, Junior,
Molecular & Cellular Biology, LAS



MCF
MALEIHA CARINO
FOUNDATION

Undergraduate Research Certificate Awardees

The Undergraduate Research Certificate celebrates the hard work and dedication of those undergraduate researchers who go above and beyond to engage with research on campus. This certificate program equips students with essential skills, such as critical thinking, problem-solving, and communication, preparing them for their future careers and graduate studies. We extend our congratulations to all our AY 2023/2024 Undergraduate Research Certificate recipients for their outstanding achievement!

Roqaya Al-Dhufari, College of Liberal Arts and Sciences, Class of 2024

Ella R. Bohlman, College of Liberal Arts and Sciences, Class of 2024

Jahaira Bustos, College of Applied Health Sciences, Class of 2024

Garrett Credi, College of Liberal Arts and Sciences, Class of 2024

Daniel M. Cudzich, Grainger College of Engineering, Class of 2024

Ella Q. Dennis, College of Liberal Arts and Sciences, Class of 2024

Ankith Desai, College of Fine and Applied Arts, Class of 2024

Klayton M. Donoghue, College of Applied Health Sciences, Class of 2024

Will Fahy, Grainger College of Engineering, Class of 2024

Kristen A. Gates, College of Liberal Arts and Sciences, Class of 2024

Elizabeth M. Gremer, College of Applied Health Sciences, Class of 2024

Samaria M. Harris, College of Applied Health Sciences, Class of 2024

Yifan He, College of Liberal Arts and Sciences, Class of 2024

Erika Huerta, College of Liberal Arts and Sciences, Class of 2024

Ashley Hughes, College of Liberal Arts and Sciences, Class of 2024

Mirai Inaoka, College of Agricultural, Consumer and Environmental Sciences, Class of 2023

Camilo A. Jaime-Rivera, College of Applied Health Sciences, Class of 2024

Yoshee Jain, Grainger College of Engineering, Class of 2026

Vanesu Jakachira, College of Liberal Arts and Sciences, Class of 2024

Chenyu Jiang, College of Liberal Arts and Sciences, Class of 2024

Alexandra Nichole Johannes, College of Agricultural, Consumer and Environmental Sciences, Class of 2023

Abigail Keasler, College of Applied Health Sciences, Class of 2024

Greta Keilman, College of Liberal Arts and Sciences, Class of 2024

Catherine Lynn Koterba, College of Liberal Arts and Sciences, Class of 2024

Kendell M. MacDonald, College of Applied Health Sciences, Class of 2026

Mia Macias, College of Liberal Arts and Sciences, Class of 2024

Amitabh Mahapatra, Grainger College of Engineering, Class of 2025

Devin S. Manley, College of Liberal Arts and Sciences, Class of 2024

Hannah Grace Marti, College of Liberal Arts and Sciences, Class of 2024

Julie L. Matuszewski, College of Liberal Arts and Sciences, Class of 2024

Braden T. Moore, Grainger College of Engineering, Class of 2024

Lauren M. Moy, College of Liberal Arts and Sciences, Class of 2024

Andres Olalde, College of Agricultural, Consumer and Environmental Sciences, Class of 2024

Holly B. Panfil, College of Applied Health Sciences, Class of 2024

Elisabeth Paskali, College of Liberal Arts and Sciences, Class of 2024

Nidhi K. Patel, College of Liberal Arts and Sciences, Class of 2024

Aditi Patel, College of Applied Health Sciences, Class of 2024

Larry Liwen Peng, College of Liberal Arts and Sciences, Class of 2024

Emma Prybylski, College of Agricultural, Consumer and Environmental Sciences, Class of 2024

Neha Ramachandran, College of Liberal Arts and Sciences, Class of 2024

Natalia Rzepa, College of Liberal Arts and Sciences, Class of 2024

Arnav Shah, Grainger College of Engineering, Class of 2024

Tianyi Shang, College of Liberal Arts and Sciences, Class of 2024

Kaitlin Skurnak, Grainger College of Engineering, Class of 2024

Uwamahoro Sophie, College of Applied Health Sciences, Class of 2024

Sara M. Streit, College of Agricultural, Consumer and Environmental Sciences, Class of 2024

Ethan Thuo, College of Liberal Arts and Sciences, Class of 2024

Anne-Farah Usman, College of Liberal Arts and Sciences, Class of 2024

Michelle Villalobos, College of Liberal Arts and Sciences, Class of 2024

Emily S. Wang, College of Liberal Arts and Sciences, Class of 2024

Ruibin Wang, College of Liberal Arts and Sciences, Class of 2023



Dhuha Wasfie, College of Liberal Arts and Sciences, Class of 2024

Lily Wenger, College of Liberal Arts and Sciences, Class of 2024

Kei Yamato, College of Liberal Arts and Sciences, Class of 2024

Undergraduate Research Apprenticeship Program 2025 Cohort

The Undergraduate Research Apprenticeship Program (URAP) offers undergraduate students with little or no research experience the opportunity to work with graduate students and postdoctoral scholars on their research projects, explore the culture and process of research, and build on their existing abilities within a community of scholars. Running each Spring semester, URAP consists of two equally important parts: a one-on-one research experience with their research mentor, and the Introduction to Research course. The course is designed to complement the research mentoring experience, orienting undergraduate mentees to broader topics in the research process. Below we showcase and celebrate the undergraduate scholars as well as their mentors and thank them for an outstanding semester.

More information about URAP can be found at: undergradresearch.illinois.edu/programs/urap.html

Naomi Abraham, Junior, Psychology & Sociology, LAS
(Research Mentor: Taiylor Rayford, Educational Psychology)

Molly Banos, Freshman, Bioengineering, ENG
(Research Mentor: Regina Giovanni, Bioengineering)

Reena Baswa, Freshman, Physics, ENG
(Research Mentor: Claire West, Chemistry)

Elijah Becker, Junior, Integrative Biology, LAS
(Research Mentor: Daniel Sani, Plant Biology)

Salma Bennaye, Junior, Interdisciplinary Health Sciences, AHS
(Research Mentor: Valeria Trivellone, Illinois Natural History Survey)

Noah Boyer-Edwards, Freshman, Anthropology, LAS
(Research Mentor: Luis Gaytán Soto, Spanish & Portuguese)

Liam Campbell, Junior, Mathematics, LAS
(Research Mentor: Eva Kuras, Comparative & World Literature)

Evan Chiao, Freshman, Computer Science & Philosophy, LAS
(Research Mentor: Tianhong Yin, Political Science)

Haochen Ding, Sophomore, Engineering Undeclared, ENG
(Research Mentor: Ram Padmanabhan, Electrical & Computer Engineering)

Serina Farah, Sophomore, Political Science, LAS
(Research Mentor: Myung Jung Kim, Political Science)

Hannah Fosnaugh, Junior, Global Studies, LAS
(Research Mentor: Deli Yang, Political Science)

Calvin Franke, Sophomore, Political Science, LAS
(Research Mentor: Myung Jung Kim, Political Science)

Agastya Gaur, Sophomore, Astrophysics, LAS
(Research Mentor: Indranil Das, Physics)

Renee George, Freshman, CS & Linguistics, LAS
(Research Mentor: Jonathan Pye, Spanish & Portuguese)

Alina Huang, Sophomore, Psychology, LAS
(Research Mentor: Veranika Paltaratskaya, Institute of Communications Research)

Nina Issel, Sophomore, Global Studies & Journalism, LAS
(Research Mentor: Do Young Gong, Political Science)

Andrew Izadyar, Senior, Social Psychology, LAS
(Research Mentor: Alesha Lewis, Political Science)

KaiNani Kastor, Senior, Psychology, LAS
(Research Mentor: Hou Xie, Educational Psychology)

Madison Kramer, Junior, Natural Resources & Environmental Sciences, ACES
(Research Mentor: Søren Warland, Political Science)

Kavya Krishnamurthy, Freshman, CS & Linguistics, LAS
(Research Mentor: Isha Chaudhary, Computer Science)

Samantha Lao, Sophomore, Animal Sciences, ACES
(Research Mentor: Jenna Girman, Animal Sciences)

Soovin Lee, Freshman, Psychology, LAS
(Research Mentor: Alesha Lewis, Political Science)

Amanda Li, Junior, Linguistics, LAS
(Research Mentor: Sara Castro Cantú, Spanish & Portuguese)

Sarah Lichtenberg, Freshman, Biochemistry, LAS
(Research Mentor: Kathrine Van Etten, Pathobiology)

Rachel Loftus, Junior, Geography & Geographic Information Science, LAS
(Research Mentor: Gyudae Kim, Geography & Geographic Information Science)

Ayushi Maskey, Junior, Statistics & Computer Science, LAS
(Research Mentor: Alice Ji, Institute of Communications Research)

Johanna Miralrio, Freshman, Undeclared, DGS
(Research Mentor: Ilana Zeitzer, Program in Ecology, Evolution & Conservation Biology)

Keegan Mullins, Sophomore, Linguistics & Spanish, LAS
(Research Mentor: Luis Gaytán Soto, Spanish & Portuguese)

Seda Murphy, Freshman, Natural Resources & Environmental Sciences, ACES
(Research Mentor: Eva Kuras, Comparative & World Literature)

Anya Nair, Junior, Sociology & Geography and Geographic Information Sciences, LAS
(Research Mentor: Christopher Getowicz, Education Policy, Organization & Leadership)

Sriram Natarajan, Freshman, Computer Science & Linguistics, LAS
(Research Mentor: Wendy Dorman, Natural Resources & Environmental Sciences)

Tricia Newman, Sophomore, Earth, Society & Environmental Sustainability, LAS
(Research Mentor: Søren Warland, Political Science)

Zoë Newman-Payne, Senior, Clinical Psychology and African American Studies, LAS
(Research Mentor: Asena Karipek, Sociology)

Valerie Panich, Sophomore, Psychology, Elementary Education, LAS
(Research Mentor: Shohgo Motoyama, Recreation, Sport & Tourism)

Riddhima Patlollu, Sophomore, Information Sciences, SIS
(Research Mentor: Muhammad Hassan, School of Information Sciences)

Lucinda Peng, Sophomore, Economics, LAS
(Research Mentor: Seung-Uk Huh, Political Science)

Kk Phunratanamala, Freshman, Psychology & Neuroscience, LAS
(Research Mentor: Ruijie (Jack) Zhang, Nutritional Sciences)

Ashanti Reynoso, Junior, Integrative Biology, LAS
(Research Mentor: Marisol Jimenez, Education Policy, Organization & Leadership)

T'erra Rucker, Junior, Psychology, LAS
(Research Mentor: Anna Barkley, Education Policy, Organization & Leadership)

Lindsey Sales, Senior, Psychology, LAS
(Research Mentor: Taiyler Rayford, Educational Psychology)

Finn Sears, Freshman, Neural Engineering, ENG
(Research Mentor: Ilber Manavbasi, Neuroscience)

Mihir Sharma, Freshman, Global Studies & Statistics, LAS
(Research Mentor: Do Young Gong, Political Science)

Ritvik Singal, Freshman, Computer Engineering, ENG
(Research Mentor: William Goss, Computer Science)

Esther Spreadbury, Sophomore, Psychology, LAS
(Research Mentor: William Silvia, Psychology)

Natalie Steiger, Freshman, Chemistry, LAS
(Research Mentor: Benjamin Campbell, Health & Kinesiology)

Kenneth Strong, Senior, Information Systems, SIS
(Research Mentor: Christopher Getowicz, Education Policy, Organization & Leadership)

Jamie Tamoro, Freshman, Psychology, LAS
(Research Mentor: Anna Barkley, Education Policy, Organization & Leadership)

Kennedi Thomas, Freshman, Political Science, LAS
(Research Mentor: Søren Warland, Political Science)

Ameya Tiwari, Freshman, Astrophysics, LAS
(Research Mentor: Wendy Dorman, Natural Resources & Environmental Sciences)

Isha Veerubhotla, Freshman, Computer Science & Bioengineering, ENG
(Research Mentor: Timothy Tan, Biophysics & Quantitative Biology)

Gautham Velupally, Freshman, Statistics & Computer Science, LAS
(Research Mentor: Jonathan Pye, Spanish & Portuguese)

Koki Yahata, Junior, Computer Science, ENG
(Research Mentor: Faiza Aziz, Agricultural & Biological Engineering)

Isabella Yap, Freshman, Natural Resources & Environmental Sciences, ACES
(Research Mentor: Lauren Scopel, Illinois Natural History Survey)

Anjolie Yarza, Junior, Community Health, AHS
(Research Mentor: Robin Turner, French & Italian)

Sara Zarea, Freshman, Economics, LAS
(Research Mentor: Benjamin Campbell, Health & Kinesiology)

Luo Zhou, Freshman, Astrophysics, LAS
(Research Mentor: Bhaskar Mondal, Aerospace Engineering)

Celebrating Our Research Mentors

Exceptional mentoring requires more than just guidance — it demands a foundation of robust support, a significant time investment, and an unwavering commitment to the growth and success of each individual. Again this year, we invited our undergraduate presenters to share their transformative experiences and the profound impacts of their research mentors.

The following entries provide just a glimpse of the overwhelming response we received. Alongside our students, we extend our recognition and deepest gratitude to all those who continue to guide and mentor our undergraduate researchers at Illinois.

“*Dear Dr. Choi, Thank you for all of your support, from being an amazing professor to becoming my research supervisor! You took me under your wing and taught me so much. You (and Hyun Seo!) are the best mentors I could have asked for — thank you!*”

- Kristin Choi

Research Mentor:
Soyoung Choi, Health & Kinesiology



“*Dear Rafael and Dr. DiFilippo, Thank you for giving me a chance when others didn't. I am truly grateful for your belief in me and will always appreciate your support. I also want to express my gratitude for your help and guidance throughout the process of my literature review. Your insights and ideas have been invaluable. Thank you again for everything.*”

- Ian Zubrickas

Research Mentors: Rafael Guimaraes, Health & Kinesiology & Kristen DiFilippo, Health & Kinesiology

“*Dear Dr. Best and Jorge, I truly appreciate the opportunity to learn and work with you. Thank you for your support, guidance, and the incredible work you do!*”

- Prasheetha Bairwa

Research Mentors:
Catherine Best-Popescu, Bioengineering &
Jorge Maldonado, Neuroscience

Scan the QR code
to read more notes
of gratitude



“ Amanda and Prof. Narayan, thank you both so much for all of your guidance and support over this past year! From introducing me to the amazing world of astronomy to helping me learn the basics of being a researcher, your mentorship has deeply enriched my freshman year experience and helped me discover paths I hope to continue exploring during my undergraduate tenure and beyond!

”

- Arjun Chainani

Research Mentors:

Gautham Narayan, Astronomy &
Amanda Wasserman, Astronomy



“ Hi Carol! I am thankful to have been able to collaborate with and learn from you as a professional. You've encouraged me both inside and outside of the classroom to be the best student and professional I can be. Your support is empowering, and I am so appreciative. Thank you!

”

- Amari Anderson

Research Mentor: Carol Wilson Smith, School of Social Work



“ Dr. Studer, thank you for your guidance on this project and for challenging me to take initiative in my work. Your patient explanations and encouragement have greatly boosted my confidence and I'm so glad I get to call your lab home!

”

- Miriam Arend

Research Mentor:

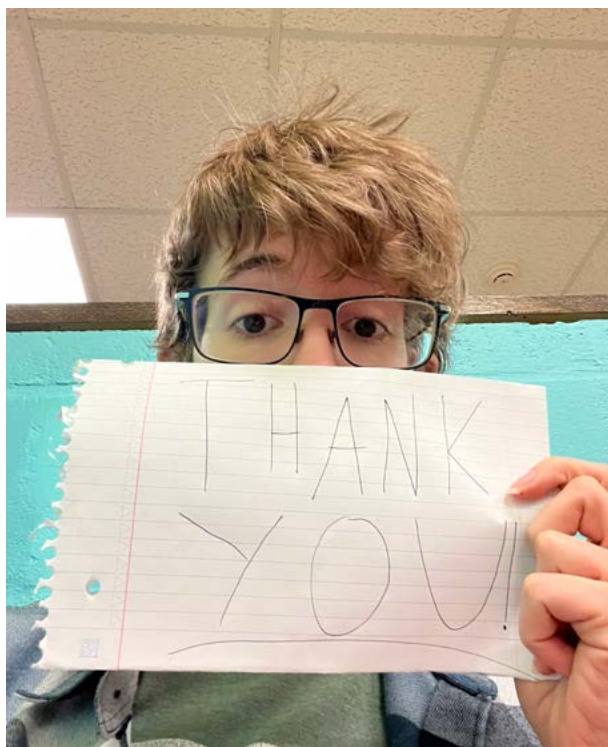
Anthony Studer, Crop Sciences

“ Luis, thank you so much for introducing me to the world of academia! I am grateful for your mentorship and am looking forward to working together in the future. This program has made me so excited for the journeys ahead! ”

- Noah Boyer-Edwards

Research Mentor:

Luis Gaytán Soto, Spanish & Portuguese



“ Dear Do Young, thank you so much for the guidance and help you gave us throughout our research. The support you provided us to develop our project was invaluable and you taught us so much about coding, media analysis, and the overall research process. ”

- Mihir Sharma and Nina Issel

Research Mentor:

Do Young Gong, Political Science

“ Thank you, Professor Dolezal, for allowing me to have my first research experience with you! I greatly appreciate your support and how kind and welcoming you’ve been. ”

- Sooah Choi

Research Mentor:

Adam Dolezal, Entomology

“ My deepest thanks to everyone at Rhanor Gillette’s Lab Group for the continuous support, dedication, and commitment to research. I am honored and eternally grateful to be a part of their research world and to be able to see neuroscience as they do; a communicative, alive, and colorful science. Thank you all for deepening my passions and providing every opportunity available to learn. Here’s to the past, present, and the future of research! ”

- Paige Henley

Research Mentors:

Rhanor Gillette, Molecular & Integrative Physiology
& Ekaterina Gribkova, Neuroscience & Jilai Cui, Neuroscience

Partner Offices

The Office of Undergraduate Research is proud to collaborate with many offices that promote and support undergraduate research and scholarship at Illinois.

National and International Scholarships

Every year, University of Illinois students successfully apply for nationally and internationally competitive scholarships, supported and guided by the National and International Scholarships (NIS) Program. NIS aims to help high-achieving Illinois undergraduates and alumni prepare for these scholarships through valuable advising and feedback on their applications. Students should consider applying for one or more awards if they are dedicated to a mission or vocation, whether it is research, policy, or service-based! If you are hoping to win a scholarship, NIS can help you unlock your potential and become a stronger candidate. Interested students — from freshmen to recent alumni — are encouraged to visit NIS to discuss these opportunities.

The Office of Undergraduate Research applauds the work by NIS and proudly congratulates the following winners of these nationally and internationally competitive awards.

Website:

topscholars.illinois.edu

Email:

topscholars@illinois.edu

Physical Location:

National & International
Scholarships Program

Illini Union Bookstore
807 S Wright St.
Suite 520
Champaign, IL 61820

The Goldwater Scholarship

Are you a STEM researcher? The Barry M. Goldwater Scholarship recognizes students who demonstrate a strong commitment to a research career in math, science, or engineering. Successful applicants display intellectual curiosity and possess potential for significant future contributions in their chosen field. The scholarship is for juniors or exceptional sophomores who are current U.S. citizens, U.S. nationals, or resident aliens. In addition to receiving one- or two-year \$7,500 awards, Goldwater recipients also become part of a cohort of scholars. Applicants should be committed to pursuing a Ph.D. in the research fields of mathematics, sciences, or engineering.

Deadline: The campus deadline is December 1, 2025. For more information and support with applying, please contact NIS.

RECENT RECIPIENTS:



Sylvia E



Daniel Feng



Alice Gao



Amelia Korveziroska



Riley Trendler

The Fulbright Scholarship

Are you looking to study, conduct research, or teach abroad for a year after you graduate? The Fulbright Student Program offers U.S. citizens one year of funding to pursue an academic experience in over 140 countries worldwide. Juniors, seniors, and alumni may apply to pursue a research project or a graduate-degree program abroad. In addition, you can apply to spend one year as an English Teaching Assistant in one of 75 plus countries. The University of Illinois perennially is recognized by The Chronicle of Higher Education as a top-producing institution of Fulbright student awards.

Deadline: The campus deadline is August 25, 2025. For more information and support with applying, please contact NIS.

RECENT RECIPIENTS:



Lydia Alvarez



Roshan Betkerur



Amelia Kolany



Andrew Schwenk

Schwarzman Scholars

Are you a future global leader in your field? Schwarzman Scholars is a program for the next generation of young leaders, anchored in a fully funded, 11-month master's degree in Global Affairs at Beijing's Tsinghua University. Scholars learn from world class faculty and guest speakers about the emergence of China as an economic and political force through a rigorous and dynamic core curriculum. In addition, the scholarship provides leadership training, exposure to high-level industry experts, and field trips around China. Students and alumni of all majors and of any citizenship are eligible to apply.

Deadline: The campus deadline is August 21, 2025. (May 19, 2025, for students holding passports from China, Hong Kong, Taiwan, or Macao). For more information and support with applying, please contact NIS.

Knight-Hennessy Scholarship

Are you committed to advancing your education for the good of others? The Knight-Hennessy scholarship offers 2 to 5 years of funding towards a graduate degree from Stanford University. Aside from graduate school funding, the scholarship offers recipients leadership training, mentorship, and cohort-based experiential learning. Knight-Hennessy is interested in supporting the next generation of global leaders who possess strong academic skills in addition to qualities of leadership and generosity. Seniors and alumni, of all nationalities, within six years of graduating from college are eligible to apply.

Deadline: The campus deadline is September 8, 2025. For more information and support with applying, please contact NIS.

RECENT AWARDEE:



Grace Mitchell

RECENT AWARDEE:



Kat Hu

Beinecke Scholarship

Are you a humanities, arts, or social sciences student interested in graduate school? The Beinecke Scholarship offers U.S. citizen, juniors \$5,000 immediately prior to entering graduate school and an additional \$30,000 while attending graduate school. The Beinecke is interested in students who demonstrate superior standards of intellectual ability, scholastic achievement, and personal promise. Preference is given to candidates for whom the award would increase the likelihood of attending graduate school. Applicants must be pursuing a Ph.D. or MFA after graduation.

Deadline: The campus deadline is February 23, 2026.
For more information and support with applying, please contact NIS.

Udall Scholarship

Are you a passionate environmentalist? The Udall Scholarship awards \$7,000 to sophomores or juniors who are taking action to address environmental concerns and are committed to a career related to the environment. There are also awards for Native American students interested in Tribal policy or health care. The Udall scholarship honors the legacies of Morris Udall and Stewart Udall, whose careers had a significant impact on Native American self-governance, health care, and the stewardship of public lands and natural resources. Students must be U.S. citizens, U.S. nationals, or U.S. permanent residents. A successful applicant will have a GPA of 3.0+ and demonstrate leadership and a commitment to service.

Deadline: The campus deadline is January 26, 2026.
For more information and support with applying, please contact NIS.

Voyager Scholarship

Are you a change-agent working to solve the biggest challenges of our time? The Voyager Scholarship provides up to \$80,000 (\$25,000/yr. of financial aid for junior and senior year, \$10,000 for a summer experience, and ten years of \$2,000 Airbnb credits) for rising juniors who have a passion for helping others, experience serving communities, and plan to pursue a public service career. A career in public service includes a wide range of work in government, nonprofits, or the private sector, with goals such as scientific advancement, community improvement, entrepreneurship, and empowerment through art. U.S. citizens, permanent residents, or DACA recipients who are entering their junior year with a 3.0+ GPA and demonstrated financial need are eligible to apply.

Deadline: The campus deadline is March 9, 2026.
For more information and support with applying, please contact NIS.

RECENT AWARDEE:



Justin Wytmar

RECENT AWARDEES:



Ethan Moore



Jenna Schaefer

RECENT AWARDEES:



Gabrielle Capone



Leland Pan



Frankie Ward

Interested in learning about more awards?

NIS will host an online session for students involved in research to hear about opportunities to continue their work and earn funding for it, or to utilize their research experience as a launching pad to funded opportunities. This 30-minute session on May 1 at 11:00 am is open to undergraduates of all majors and class standing.

Register at: go.illinois.edu/WhereCanResearchTakeYou



Writers Workshop

A research university is a writing university. The Writers Workshop provides support for all writers in the campus community — undergraduate and graduate students, post-doctorates, faculty, and staff — via writing consultations, writing groups and retreats, and webinars and presentations. By doing so, the Writers Workshop advances the mission of the University to create an inclusive learning environment that fosters students' abilities to achieve their academic, professional, and personal goals.

The Writers Workshop supports all forms of academic and professional writing, at any stage of the writing process. We provide feedback on essays, research papers, personal statements, cover letters, theses and dissertations, manuscripts for publication, presentations, digital compositions, and anything between and beyond.

Find more information at: writersworkshop.illinois.edu

University Library

Librarians and staff provide innovative services, technology, collections, and environments to enhance collaboration and exploration; engage students in the inquiry process and educate them in their roles as content consumers and creators in the design, production, and delivery of content and media for research, discovery, and learning; and anticipate new and emerging needs to facilitate undergraduate student success.

Find more information at: library.illinois.edu



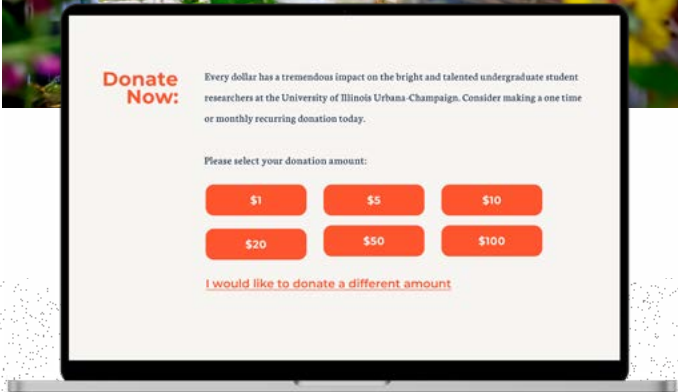
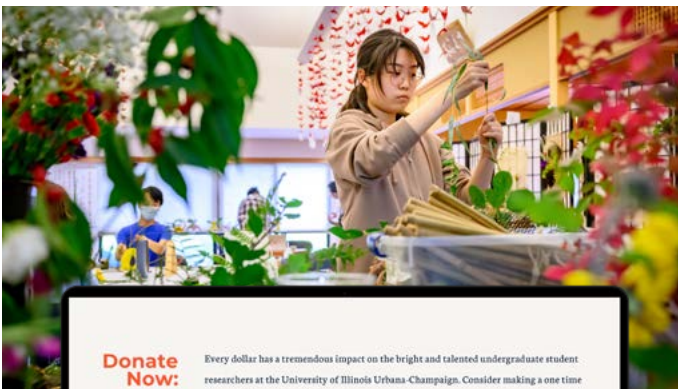
Supporting Undergraduate Research at Illinois

Invest in Scholars Today

Your generous donation to the Office of Undergraduate Research can make a profound difference in the lives of our Illinois undergraduate researchers.

Whether it's a small or large gift, your support directly contributes to providing grants and awards that enable these students to explore their passions, gain valuable experience, and achieve academic excellence. Your donation can help us continue to foster a culture of inquiry, innovation, and discovery among our talented undergraduate researchers. Please join us in supporting their success and making a lasting impact on their academic journey.

Thank you in advance for your support.



Visit: undergradresearch.illinois.edu/giving

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Avila, Theo: Poster PH - Nature, Life & Environment
Azim, Sophia: Oral Panel - Cells & Molecules II
Bachu, Abhinav: Poster PD - Science & Technology & Poster PN - Science & Technology
Back, Sunwoo: Poster PN - Science & Technology

Bagazinski, Annika: Celebrating Our Student Scholars
Baheti, Hrishita: ISUR Research Expo
Bairwa, Prasheetha: Poster PV - Cells & Molecules
Balaban, Jenna: Poster PR - Nature, Life & Environment
Balaji, Aarthi: ISUR Research Expo
Balakrishnan, Govind: Poster PM - Health & Wellness
Balapal, Siya: Poster PR - Nature, Life & Environment
Baltaci, Sude: Celebrating Our Student Scholars
Banos, Molly: Poster PP - Cells & Molecules
Baranauskaite, Daniele: Poster PR - Nature, Life & Environment
Barraza, Itzel: Poster PJ-1 - Social Science & Human Behavior
Barthel, Lily: Oral Panel - Health & Wellness I
Baswa, Reena: Poster PI - Science & Technology & Poster PN - Science & Technology
Bath, Dilshan: Poster PA - Cells & Molecules
Bauer, Shaffer: Poster PD - Science & Technology
Baugh, Destiny: Poster PO - Society, Culture & Social Issues
Baxter, Jasmine: Communication Research Showcase (not found) & Poster PC - Humanities, Culture & Society
Baxter, Katerina: Poster PA - Cells & Molecules
Bayliss, George: Oral Panel - Numbers & Computation & Poster PS - Numbers & Computation
Beard, Matt: Poster PA - Cells & Molecules
Becker, Elijah: Poster PW - Food Systems
Behme, Claire: Poster PE - Social Science & Human Behavior
Belambe, Maanas: Illinois Mathematics Lab Poster Session (not found) & Poster PS - Numbers & Computation
Bemont, Isabel: Poster PX - Health & Wellness
Benavides, Victoria: Poster PH - Nature, Life & Environment
Ben-David, Maia: Poster PJ-2 - Design Thinking & Innovation
Ben-Dov, Talia: Poster PK - Cells & Molecules
Bennaye, Salma: Poster PR - Nature, Life & Environment
Bernfeld, Simona: Poster PL - Food, Plants & Animals
Best, Graciela: Oral Panel - Education & Learning
Betancourt, Jason: Poster PM - Health & Wellness
Betkerur, Roshan: National & International Scholarships
Bhasin, Keerat Singh: Poster PJ-2 - Design Thinking & Innovation
Bhat, Anushka: Poster PR - Nature, Life & Environment
Bhatia, Natasha: ISUR Research Expo
Bhattacharjee, Niharika: Oral Panel - Technology & Health
Bhattiprolu, Sai Akshita: Oral Panel - Plants & Animals
Bhatty, Daania: Poster PM - Health & Wellness
Bhowmik, Anuprova: Poster PD - Science & Technology & Poster PF - Cells & Molecules
Biedak, Michael: Poster PP - Cells & Molecules
Binkina, Elizabeth: Poster PL - Food, Plants & Animals
Biswas, Soumil: Poster PR - Nature, Life & Environment
Blodgett, Jolene: Poster PR - Nature, Life & Environment
Bohlman, Ella: Certificate Awardee
Bombard, Evelyn: Poster PN - Science & Technology
Bonzak, Henry: ISUR Research Expo
Bopeya, Yohali: ISUR Research Expo
Borrowman, Emma: Poster PA - Cells & Molecules
Bose, Rohil: ISUR Research Expo & Poster PJ-2 - Design Thinking & Innovation
Boyer-Edwards, Noah: Poster PC - Humanities, Culture & Society
Bradshaw, Jesiah: Poster PM - Health & Wellness

Brad, Amy: Illinois Mathematics Lab Poster Session
Brokaw, Bridget: Poster PA - Cells & Molecules
Brown, Maddie: Oral Panel - Social Issues & Policy II
Bui, Anh Hao: Oral Panel - Health & Wellness II
Bui, Jenna: Poster PF - Cells & Molecules
Bujalil Silva, Lorenzo: Poster PD - Science & Technology
Burger, Lydia: Poster PX - Health & Wellness
Burke, Julia: Poster PU - Social Issues & Policy
Burnidge, Ashley: Poster PM - Health & Wellness
Burtner, Wolfgang: Poster PH - Nature, Life & Environment
Busa, Aashvi: Poster PK - Cells & Molecules
Bustos, Jahaira: Certificate Awardee
Butte, Syzygy: Poster PI - Science & Technology
Byju, Navomi: Poster PJ-2 - Design Thinking & Innovation
Byram, Annis: Poster PY - Learning & Human Development
Byrne, Alexander: Poster PA - Cells & Molecules
Byrne, Livia: Poster PX - Health & Wellness
Calderon, Isabella: Poster PP - Cells & Molecules
Calma, Jenna: Poster PX - Health & Wellness
Camp, Vanessa: Oral Panel - Health & Wellness I
Campbell, Liam: Poster PC - Humanities, Culture & Society
Cao, Fangyu: Oral Panel - Health & Wellness I
Capone, Gabrielle: National & International Scholarships
Cappetta, Dominick: Poster PI - Science & Technology
Cardenas, Esther: Poster PM - Health & Wellness
Cardine, Jada: Oral Panel - Health & Wellness II
Carey, Ragen: Poster PY - Learning & Human Development
Carrillo Diaz De Leon, Annika: ISUR Research Expo
Carroll, Jeremy: Communication Research Showcase
Carton, Jordyn: Poster PC - Humanities, Culture & Society
Caryl, Zoe: Communication Research Showcase & Oral Panel - Social Science & Human Behavior
Casey, Lauren: Poster PJ-1 - Social Science & Human Behavior
Castilla, Isabela: Poster PZ - Social Science & Human Behavior
Castro, Karla: Poster PY - Learning & Human Development
Cervantes, Aubrey: Poster PM - Health & Wellness
Cervenka, Charlie: Oral Panel - Human Behavior & Perception
Cha, Ellen: Poster PH - Nature, Life & Environment
Chablani, Akanksha: Illinois Mathematics Lab Poster Session
Chaikin, Alexander: Poster PP - Cells & Molecules
Chainani, Arjun: Poster PI - Science & Technology
Chalcakova, Simona: Poster PY - Learning & Human Development
Chalermwatananon, Amarisa: Illinois Mathematics Lab Poster Session
Chan, Weng Chin: Oral Panel - Education & Learning
Chander, Siddharth: Poster PS - Numbers & Computation
Chandra, Aryan: On Exhibit
Chang, Alexander: Celebrating Our Student Scholars
Chang, En Ci (Grace): Poster PB - Health & Wellness
Charles, Senna: Poster PD - Science & Technology
Chatterjee, Arjun: Illinois Mathematics Lab Poster Session
Chen, Cindy: Poster PN - Science & Technology & Poster PX - Health & Wellness
Chen, Enya: ISUR Research Expo & Oral Panel - Artificial Intelligence & Machine Learning
Chen, Ethan: Poster PO - Society, Culture & Social Issues
Chen, Ran: Poster PQ - Data & Information
Chen, Raphael: Oral Panel - Data & Information
Chen, Tianshuo: Poster PE - Social Science & Human Behavior
Chen, Yunqi: Poster PT - Science & Technology
Cheng, Katherina: Poster PP - Cells & Molecules
Cheng, Yuanyuan: Oral Panel - Cells & Molecules III & Poster PN - Science & Technology
Cheng, Yuhao: ISUR Research Expo
Cheung, Nicole: Poster PF - Cells & Molecules
Childs, Ashli: Poster PQ - Data & Information
Chirumamilla, Swathi: Poster PA - Cells & Molecules
Cho, Kristin: Oral Panel - Human Behavior & Perception
Cho, Namjun: Poster PP - Cells & Molecules
Cho, Seungjae: Poster PA - Cells & Molecules & Poster PZ - Social Science & Human Behavior

Choe, Ellie: Poster PB - Health & Wellness
Choi, Alyssa: Poster PX - Health & Wellness
Choi, Hana: Poster PA - Cells & Molecules
Choi, Judy: Poster PV - Cells & Molecules
Choi, Sooah: Poster PR - Nature, Life & Environment
Chong, Dona: Poster PB - Health & Wellness
Chong, Inna: Oral Panel - Health & Wellness I
Chong, Kristine: Poster PZ - Social Science & Human Behavior
Choodam, Kaisang: Poster PR - Nature, Life & Environment
Choudhry, Abdullah: Poster PP - Cells & Molecules
Chovatia, Varun: Poster PV - Cells & Molecules
Chowdhury, Sunera: Poster PL - Food, Plants & Animals
Christoff, Sam: Poster PA - Cells & Molecules
Cicatelto, Kaitlyn: Poster PJ-1 - Social Science & Human Behavior
Clark, Dystonae: Poster PC - Humanities, Culture & Society
Clark, Joseph: Oral Panel - Cells & Molecules I
Claudio-Deutsch, Elenna: Poster PM - Health & Wellness
Cleary, Elena: Oral Panel - Media & Culture
Clifford, Lily: Poster PU - Social Issues & Policy
Clifford, Maia: Poster PG - Learning & Human Development
Cloud, Dashiell: Illinois Mathematics Lab Poster Session
Coates, Nathan: Poster PB - Health & Wellness & Poster PM - Health & Wellness & Poster PX - Health & Wellness
Cocagne, Sam: Poster PJ-1 - Social Science & Human Behavior
Coleman, D'Angel: Poster PO - Society, Culture & Social Issues
Coleman, Tony: Poster PO - Society, Culture & Social Issues
Conder, Caprice: Poster PX - Health & Wellness
Conlon, Maeve: Poster PR - Nature, Life & Environment
Cooper, Carles: Illinois Mathematics Lab Poster Session
Cowart, Nikhil: Poster PF - Cells & Molecules
Coyago, Andrea: Poster PM - Health & Wellness
Cravens, Makenna: Poster PG - Learning & Human Development
Credi, Garrett: Certificate Awardee
Cronologia, Bea Francine: Poster PP - Cells & Molecules
Cruz, Aedan: Poster PM - Health & Wellness
Cudzich, Daniel: Certificate Awardee
Cue, Alexander: Poster PP - Cells & Molecules
Dai, Kevin: Oral Panel - Social Issues & Policy II
Dai, Mark: On Exhibit
Daleccio, Felicity: On Exhibit
Dang, Thach: Poster PN - Science & Technology
Dangi, Anagha: Poster PJ-1 - Social Science & Human Behavior
Daruka, Adya: ISUR Research Expo
Das, Aniket: Poster PS - Numbers & Computation
Dastgheib, Seyed Ahmad: Poster PD - Science & Technology
Davila, Andrea: Poster PG - Learning & Human Development
Davy, Erin: Poster PA - Cells & Molecules
Dcosta, Rhea: Poster PJ-1 - Social Science & Human Behavior
De Guzman, Daniel: Poster PF - Cells & Molecules
Del Rio, Joseph: Poster PL - Food, Plants & Animals
Delulio, Joseph: Poster PZ - Social Science & Human Behavior
DeNardo, Jack: Poster PU - Social Issues & Policy
Denka, Madi: Poster PJ-1 - Social Science & Human Behavior
Denker, Keira: Poster PH - Nature, Life & Environment
Dennis, Ella: Certificate Awardee
Desai, Ankith: Certificate Awardee
Desai, Shubhankar: Illinois Mathematics Lab Poster Session
Deyhle, Sam: Poster PV - Cells & Molecules
Diener, Chantelle: Poster PH - Nature, Life & Environment
Dilbaghi, Dhruv: Poster PJ-2 - Design Thinking & Innovation
Ding, Daniel: Oral Panel - Technology in Practice
Ding, Haochen: Illinois Mathematics Lab Poster Session & Poster PN - Science & Technology
Ding, Selena: Oral Panel - Plants & Animals
Divan, Rachel: Poster PM - Health & Wellness
Dohrn, Bernie: On Exhibit
Dohrn, Jack: On Exhibit
Dolce, Camille: Poster PE - Social Science & Human Behavior & Celebrating Our Student Scholars

Dolin, Kenneth: Poster PC - Humanities, Culture & Society
Dong, Sharon: Poster PV - Cells & Molecules
Donoghue, Klayton: Certificate Awardee
Dooley, Mac: Poster PY - Learning & Human Development
Doon, Megan Noreen: Poster PV - Cells & Molecules
Doty, Williams: Celebrating Our Student Scholars
Dredd, Cedric: Oral Panel - Artificial Intelligence & Machine Learning II
Duggan, Bennett: Poster PX - Health & Wellness
Dumitrescu, Francesca: Poster PC - Humanities, Culture & Society
Dunn, Malea: Poster PU - Social Issues & Policy
Dunning, Noel: Oral Panel - Nature & Environment
Dutt, Abhinil: Poster PT - Science & Technology
Dutt, Mihika: Poster PI - Science & Technology
Duzan, Max: Poster PJ-2 - Design Thinking & Innovation
Dzielska, Aneta: Poster PH - Nature, Life & Environment
Dzieza, Edward: ISUR Research Expo
E, Sylvia: National & International Scholarships
East, Isabelle: Poster PH - Nature, Life & Environment
Eastman, Elleora: Poster PT - Science & Technology
Echols, Emerson: Poster PL - Food, Plants & Animals
Edakkunnathu, Olivia: Poster PV - Cells & Molecules
Edomwande, Omosefe: ISUR Research Expo
Eisenstadt, Ryan: Oral Panel - Science & Technology
El Lethy, Ramsey: Poster PO - Society, Culture & Social Issues
Elrod, Samantha: Poster PW - Food Systems
Elsayed Suliman, Allie: Poster PA - Cells & Molecules
Emil, Joel: Poster PB - Health & Wellness
Eng, Eliana: Oral Panel - Plants & Animals
English, Carlene: Poster PL - Food, Plants & Animals
Erkan, Anthony: Celebrating Our Student Scholars
Equihua, Ashley: Poster PA - Cells & Molecules
Escamilla, Taly: ISUR Research Expo
Eschman, Mia: Poster PA - Cells & Molecules
Escobedo, Magali: Poster PB - Health & Wellness
Espino, Stephanie: ISUR Research Expo
Evans, Carter: Poster PE - Social Science & Human Behavior
Fahy, Will: Certificate Awardee
Faibishenko, Jacob: Poster PZ - Social Science & Human Behavior
Faibisoff, Arela: Poster PX - Health & Wellness
Faistl, Reid: Poster PI - Science & Technology
Fajar, Abeeha: Oral Panel - Education & Learning
Fan, Alice: ISUR Research Expo
Fan, Yihe: Poster PB - Health & Wellness
Fanning, Jillian: Poster PX - Health & Wellness
Fanning, Madison: Poster PD - Science & Technology
Farah, Serina: Poster PU - Social Issues & Policy
Farmer, Baylie: Poster PY - Learning & Human Development
Fatima, Maher: Poster PP - Cells & Molecules
Feller, Noel: Poster PO - Society, Culture & Social Issues
Feng, Daniel: National & International Scholarships
Feoktistov, Elizabeth: Poster PV - Cells & Molecules
Ferdinand, Ferdinand: Poster PD - Science & Technology
Fernau, Piper: ISUR Research Expo & Poster PD - Science & Technology
Figueroa-Carrillo, Matilde: ISUR Research Expo
Finn, Elliot: Oral Panel - Artificial Intelligence & Machine Learning
Fischer, Hadyn: Poster PG - Learning & Human Development
Fornes, Jane: Poster PH - Nature, Life & Environment
Fosnaugh, Hannah: Poster PJ-1 - Social Science & Human Behavior
Foxgrover-O'Malley, Sandra: Poster PX - Health & Wellness
Fraley, Mary: Poster PE - Social Science & Human Behavior
Franke, Calvin: Poster PU - Social Issues & Policy
Freeman, Brenna: Poster PT - Science & Technology
Frey, Lili: Poster PX - Health & Wellness
Friedman, Jackson: Poster PQ - Data & Information
Fu, David: ISUR Research Expo
Fu, Tianqi: Poster PQ - Data & Information
Fudacz, Paige: Poster PZ - Social Science & Human Behavior

Fugiel, Madison: Poster PT - Science & Technology
Gallaher, Amelia: Poster PG - Learning & Human Development
Galpalli, Khushi: Poster PE - Social Science & Human Behavior & Celebrating Our Student Scholars
Gandhi, Arianna: Oral Panel - Artificial Intelligence & Machine Learning II
Ganesan, Vishwath: Poster PX - Health & Wellness
Ganesh, Krrish: Poster PN - Science & Technology
Gao, Alica: National & International Scholarships
Gao, Claire: Poster PZ - Social Science & Human Behavior
Gao, Huamin: ISUR Research Expo
Gao, Tiger: Illinois Mathematics Lab Poster Session
Gao, Yibo (Luka): Poster PT - Science & Technology
Gao, Yiming: Illinois Mathematics Lab Poster Session
Garrett, Bronwyn: Poster PC - Humanities, Culture & Society
Garton, Kate: Poster PU - Social Issues & Policy
Garwacki, Jennifer: Poster PC - Humanities, Culture & Society
Gates, Kristen: Certificate Awardee
Gaur, Aanvi: Poster PN - Science & Technology
Gaur, Agastya: Poster PI - Science & Technology
Gautam, Anushka: Poster PQ - Data & Information
Gendeh, Max: ISUR Research Expo
Gentle, Charles: Poster PM - Health & Wellness
George, Christopher: Poster PJ-2 - Design Thinking & Innovation & Poster PM - Health & Wellness
George, Renee: Poster PC - Humanities, Culture & Society
Gerbasi, Jack: Poster PA - Cells & Molecules
Gerstein, Samuel: ISUR Research Expo
Giovacchini, Michelle: Poster PI - Science & Technology
Glowacki, Maddie: Poster PG - Learning & Human Development
Goduco-Bunting, Jules: Illinois Mathematics Lab Poster Session
Goldfarb, Talah: Poster PY - Learning & Human Development
Gomez, Jocelyn: Poster PG - Learning & Human Development
Gomez-Lopez, Amy: Poster PF - Cells & Molecules
Gong, Sherry: ISUR Research Expo
Gongati, Sanjana: Poster PG - Learning & Human Development & Poster PJ-2 - Design Thinking & Innovation
Gonyea, Teegan: Poster PP - Cells & Molecules
Gonzales, Nathan: Oral Panel - Media & Culture
Gonzalez, Timothy: Poster PJ-1 - Social Science & Human Behavior
Gosser, Ariel: Poster PO - Society, Culture & Social Issues
Gottiparthi, Sriya: ISUR Research Expo
Goyal, Suvinay: Poster PN - Science & Technology & Celebrating Our Student Scholars
Graham, Gabriel: Poster PF - Cells & Molecules & Celebrating Our Student Scholars
Granados, Andy: Oral Panel - Technology in Practice
Granat, Jack: Celebrating Our Student Scholars
Granzeier, Elena: ISUR Research Expo
Gray, Xaylie Nicole: Poster PK - Cells & Molecules
Green, William: Poster PK - Cells & Molecules
Greenberg, Emma: Poster PY - Learning & Human Development
Greer, Mia: Illinois Mathematics Lab Poster Session
Gremer, Elizabeth: Certificate Awardee
Greydinger, Fern: Poster PH - Nature, Life & Environment
Griffith, Lilly: Poster PO - Society, Culture & Social Issues
Griffith, Lucinda: Poster PM - Health & Wellness
Gryc, Gabriela: Poster PB - Health & Wellness
Guerra, Matthew: Illinois Mathematics Lab Poster Session
Guo, Cathy: Illinois Mathematics Lab Poster Session
Guo, Chloe: Poster PE - Social Science & Human Behavior
Guo, Shiyu: Poster PG - Learning & Human Development
Guo, Yuheng: Poster PD - Science & Technology
Gupta, Aryan: Poster PS - Numbers & Computation & Illinois Mathematics Lab Poster Session & ISUR Research Expo
Gupta, Harsh: Celebrating Our Student Scholars
Gupta, Prakhhar: Celebrating Our Student Scholars
Gupta, Siddhant: Poster PQ - Data & Information
Gura, Drew: Poster PN - Science & Technology

Gurumurthi, Siddharth: Oral Panel - Artificial Intelligence & Machine Learning
Gustafson, Shreya: Poster PD - Science & Technology
Guzaro Cruz, Amy: Poster PZ - Social Science & Human Behavior
Guzaro Cruz, Ivon: Communication Research Showcase
Guzman, Savannah: Poster PX - Health & Wellness
Hallford, Lori: Communication Research Showcase & Poster PC - Humanities, Culture & Society
Ham, Quinn: Poster PB - Health & Wellness
Hamilton, Andrew: Poster PK - Cells & Molecules
Hamoui, Marwan: Poster PQ - Data & Information
Hampe, Ava: Poster PG - Learning & Human Development
Haner, Ada: Poster PJ-2 - Design Thinking & Innovation
Harris, Samaria: Certificate Awardee
Hashim, Sinan: Poster PF - Learning & Human Development
Hattiangadi, Vara: Poster PK - Cells & Molecules
Haverkos, Alysha: Poster PM - Health & Wellness
He, Grace: ISUR Research Expo
He, Ray: Poster PM - Health & Wellness
He, Sitong: Communication Research Showcase & Poster PU - Social Issues & Policy
He, Yifan: Certificate Awardee
Hegg, Isaac: Poster PD - Science & Technology
Helms, Madison: Poster PY - Learning & Human Development
Hemani, Samin: Poster PE - Social Science & Human Behavior & Poster PJ-1 - Social Science & Human Behavior
Henley, Paige: Poster PH - Nature, Life & Environment
Herman, Noah: Poster PR - Nature, Life & Environment
Herman, Taylor: Poster PY - Learning & Human Development
Hernandez, Nicolas: Poster PA - Cells & Molecules & Poster PV - Cells & Molecules
Hernandez, Riley: Poster PJ-1 - Social Science & Human Behavior
Hiles, Ella: Oral Panel - Social Science & Technology
Hisanaga, Kaden: Poster PJ-1 - Social Science & Human Behavior
Hoang, Bach: Celebrating Our Student Scholars
Hoeveler, Macyn: Poster PT - Science & Technology
Hoffman, Veronica: Poster PN - Science & Technology
Hogan, Daniel: Poster PB - Health & Wellness
Hohe, William: Oral Panel - Media & Culture
Hopkins, Katherine: Poster PB - Health & Wellness
House-Henry, Kaliyah: Poster PX - Health & Wellness
Houston, Robert: Oral Panel - Cells & Molecules II
Hu, Eva: Poster PA - Cells & Molecules
Hu, Fiona: Poster PQ - Data & Information
Hu, Kat: National & International Scholarships
Hu, Nicole: ISUR Research Expo
Hua, Ashley: ISUR Research Expo
Huanca-Camargo, Brandon: Poster PM - Health & Wellness
Huang, Alina: Poster PJ-1 - Social Science & Human Behavior
Huang, Ashley: Poster PL - Food, Plants & Animals
Huang, Ci-You: Poster PN - Science & Technology
Huang, Elen: Poster PW - Food Systems & Poster PY - Learning & Human Development
Huang, Teresa: Poster PZ - Social Science & Human Behavior
Hubbell, Benjamin: Poster PW - Food Systems
Huerta, Erika: Certificate Awardee
Huezo, Rachel: Poster PF - Cells & Molecules
Huge, Jameson: Poster PZ - Social Science & Human Behavior
Hughes, Ashley: Certificate Awardee
Hunt, Astor: Parkland College Honors Symposium
Hunt, Madeline: Poster PE - Social Science & Human Behavior & Poster PJ-1 - Social Science & Human Behavior & Poster PZ - Social Science & Human Behavior
Hyde, Lauren: Poster PQ - Data & Information
Ilic, Helena: ISUR Research Expo
Inaoka, Mirai: Certificate Awardee
Ingolia, Madalyn: Poster PJ-2 - Design Thinking & Innovation
Ionin, Elise: Poster PX - Health & Wellness
Ipsen, Brooke: Poster PY - Learning & Human Development

Ismail, Sumayyah: Poster PN - Science & Technology
Issel, Nina: Poster PZ - Social Science & Human Behavior
Izadyar, Andrew: Poster PZ - Social Science & Human Behavior
Jackiewicz, Karl: Poster PF - Cells & Molecules
Jackson, Anna: Poster PJ-1 - Social Science & Human Behavior
Jackson, Diamond: Poster PO - Society, Culture & Social Issues
Jaime-Rivera, Camilo: Certificate Awardee
Jain, Himnish: On Exhibit & Poster PN - Science & Technology
Jain, Pratham: Poster PD - Science & Technology
Jain, Yoshee: ISUR Research Expo & Celebrating Our Student Scholars & Certificate Awardee
Jakachira, Vanesu: Certificate Awardee
Jangada, Shreya: ISUR Research Expo
Jani, Maharsh: Poster PY - Learning & Human Development
Janusz, Collin: Poster PX - Health & Wellness
Jaramillo, Tomas: ISUR Research Expo
Jasso, Brisa: Poster PE - Social Science & Human Behavior
Jayaswamy, Eshaan: Poster PF - Cells & Molecules
Jenks, Dylan: Illinois Mathematics Lab Poster Session
Ji, Jana: Oral Panel - Human Behavior & Perception
Jiang, Angela: Oral Panel - Health Modalities
Jiang, Chenyu: Certificate Awardee
Jin, Kaiyue: Oral Panel - Human Behavior & Perception
Jin, Renzi: Poster PX - Health & Wellness
Jin, Skyla: ISUR Research Expo
Jin, Sycamore: Poster PV - Cells & Molecules
Jog, Anisha: ISUR Research Expo
Johannes, Alexandra Nichole: Certificate Awardee
Johnson, Alaya: Poster PJ-1 - Social Science & Human Behavior
Johnson, Lucy: Poster PY - Learning & Human Development
Johnson, Sarah: Oral Panel - Nature & Environment
Jose, Sanjana: Poster PI - Science & Technology
Joshi, Rose: Poster PY - Learning & Human Development
Jun, Ian: Poster PB - Health & Wellness
Jung, Andrew: ISUR Research Expo
Jurzyk, Patricia: Poster PE - Social Science & Human Behavior
Kaempfe, Leo: Poster PV - Cells & Molecules
Kala, Bhuvan: Poster PG - Learning & Human Development & Poster PJ-2 - Design Thinking & Innovation
Kamath, Diya: Poster PR - Nature, Life & Environment
Kamble, Sanjana: Poster PV - Cells & Molecules
Kamma, Preeti: ISUR Research Expo
Kanaujia, Ahaan: Illinois Mathematics Lab Poster Session
Kandlikar, Isha: Poster PP - Cells & Molecules
Kapoor, Riya: Poster PM - Health & Wellness
Kapusniak, Olivia: ISUR Research Expo
Karecki, Katie: Poster PK - Cells & Molecules
Karumuri, Samika: ISUR Research Expo
Karwande, Tanya: Poster PH - Nature, Life & Environment
Kashmiri, Mahnaz: Poster PH - Nature, Life & Environment
Kashyap, Aadya: Poster PO - Society, Culture & Social Issues
Kashyap, Tia: ISUR Research Expo
Kastor, KaiNani: Poster PE - Social Science & Human Behavior
Kavu, Tymoteusz: Oral Panel - Nature & Environment
Kayastha, Khushi: Poster PX - Health & Wellness
Keasler, Abigail: Certificate Awardee
Keigher, Lucy: Celebrating Our Student Scholars
Keilman, Greta: Certificate Awardee
Keliuotis, Kyle: Poster PQ - Data & Information
Kendai, Akshita: Poster PM - Health & Wellness
Kennedy, Emily: Oral Panel - Education & Learning
Kent, Alexis: Poster PY - Learning & Human Development
Kent, Jacqueline: Poster PJ-1 - Social Science & Human Behavior
Keshav, Diksha: Poster PB - Health & Wellness
Kewalram, Adi: Poster PN - Science & Technology
Khan, Yasmine: Poster PX - Health & Wellness
Khanday, Mavin: Illinois Mathematics Lab Poster Session

Khare, Vihaan: Poster PJ-2 - Design Thinking & Innovation
Kharfan, Reem: Poster PY - Learning & Human Development
Kholiya, Tanisha: On Exhibit
Kibler, Rachel: Poster PH - Nature, Life & Environment
Kim, Alexander: Oral Panel - Technology & Health & Celebrating Our Student Scholars
Kim, Ashley: Poster PB - Health & Wellness
Kim, Erin: Poster PJ-1 - Social Science & Human Behavior
Kim, Lina: Poster PJ-1 - Social Science & Human Behavior
Kim, Praise: Poster PY - Learning & Human Development
Kim, Sally: On Exhibit
Kim, Samuel: Oral Panel - Artificial Intelligence & Machine Learning
Kim, Sarah: Poster PR - Nature, Life & Environment
Kinel, Emily: Poster PY - Learning & Human Development
King, Madison: Poster PO - Society, Culture & Social Issues
Kleczewski, Lucy: Poster PD - Science & Technology
Klemens, Emily: Poster PJ-1 - Social Science & Human Behavior
Klinko, Allyson: Poster PJ-1 - Social Science & Human Behavior
Knight, Tyeisha: Poster PO - Society, Culture & Social Issues
Knoll, Nathan: Poster PO - Society, Culture & Social Issues
Knutte, Maggie: Oral Panel – Media & Culture
Kohut, Yuliia: Poster PT - Science & Technology & Poster PX - Health & Wellness
Kokal, Allison: Poster PH - Nature, Life & Environment
Kolany, Amelia: National & International Scholarships
Konsur, Eva: Poster PV - Cells & Molecules
Korveziroska, Amelia: National & International Scholarships
Kostic, Isidora: Poster PJ-1 - Social Science & Human Behavior
Koterba, Catherine Lynn: Certificate Awardee
Kottapalli, Sharika: Poster PI - Science & Technology
Kramer, Madison: Poster PU - Social Issues & Policy
Krishnamurthy, Kavya: Poster PI - Science & Technology
Kruczak, Simon: Poster PP - Cells & Molecules
Krughoff, Gillian: Poster PF - Cells & Molecules
Kubecki, Nicole: Poster PO – Society, Culture & Social Issues
Kudaimi, Idrees: Poster PS - Numbers & Computation
Kuebrich, Abby: Poster PE - Social Science & Human Behavior
Kye, Ethan: Oral Panel - Social Issues & Policy II
La, Catherine: Poster PP - Cells & Molecules
Lackner, Gustave: Oral Panel - Social Science & Culture
Lande, Will: Illinois Mathematics Lab Poster Session & Poster PQ - Data & Information
Lanz, Marissa: ISUR Research Expo
Lao, Samantha: Poster PZ - Social Science & Human Behavior
Lau, Isabella: Poster PZ - Social Science & Human Behavior
Lau, Savannah: ISUR Research Expo
Leaky, Dacia: Poster PC - Humanities, Culture & Society
Lechleitner, Sophie: Poster PY - Learning & Human Development
Lee, Amanda: Poster PX - Health & Wellness
Lee, Dongheon: Poster PN - Science & Technology
Lee, Faith: Oral Panel – Media & Culture
Lee, Jessica: Poster PP - Cells & Molecules
Lee, Justin: Illinois Mathematics Lab Poster Session
Lee, Leo: Illinois Mathematics Lab Poster Session
Lee, Soovin: Poster PZ - Social Science & Human Behavior
Leong, Janine: ISUR Research Expo
Levenhagen, Samantha: Poster PR - Nature, Life & Environment
Leverly, Fynn: Oral Panel - Society, Culture, & the Human Experience
Lewis, Gabe: Illinois Mathematics Lab Poster Session
Li, Amanda: Poster PO - Society, Culture & Social Issues
Li, Ashley: Oral Panel - Artificial Intelligence & Machine Learning
Li, Ashley: ISUR Research Expo
Li, Carine: Illinois Mathematics Lab Poster Session
Li, Harbin: Oral Panel - Technology & Health
Li, Jason: Oral Panel - Science & Technology
Li, Qingduo: Poster PH - Nature, Life & Environment
Li, Tong: ISUR Research Expo

Li, Yushan: Oral Panel - Cells & Molecules I
Li, Ziyu: Oral Panel - Technology & Health
Liang, Jonas: Illinois Mathematics Lab Poster Session
Liang, Junhang: Oral Panel - Numbers & Computatio
Liang, Karena: Poster PQ - Data & Information
Liang, Ray: Poster PN - Science & Technology
Liang, Yinuan: Poster PD - Science & Technology
Liao, Huiying: Poster PG - Learning & Human Development
Lichtenberg, Sarah: Poster PF - Cells & Molecules
Lin, Sara: Poster PQ - Data & Information
Lin, Sophie: ISUR Research Expo
Linares Tzintzun, Indira: Oral Panel - Social Science & Technology
Lindbom, Hadley: Poster PN - Science & Technology
Litteken, Calla: Poster PF - Cells & Molecules
Liu, Grace: Poster PE - Social Science & Human Behavior
Liu, Lening: Poster PE - Social Science & Human Behavior
Liu, Yuhe: Poster PJ-1 - Social Science & Human Behavior
Liu, Maxwell: Illinois Mathematics Lab Poster Session
Llavona, Andrea: Poster PG - Learning & Human Development
Loewenstein, Alina: Celebrating Our Student Scholars
Loftus, Rachel: Poster PO - Society, Culture & Social Issues
Longi, Nour: Oral Panel - Media & Culture
Lopez, Andres: Poster PW - Food Systems
Lopez, Bella: Poster PX - Health & Wellness
Lu, Annabelle: Poster PO - Society, Culture & Social Issues & Poster PZ - Social Science & Human Behavior
Lu, Sean: Illinois Mathematics Lab Poster Session
Luu, Katherine: Poster PC - Humanities, Culture & Society
Lyakerman, Michael: Poster PN - Science & Technology
Maatah, Ahmad: Poster PD - Science & Technology
MacDonald, Kendell: Poster PB - Health & Wellness & Certificate Awardee
Macek, Samantha: Poster PO - Society, Culture & Social Issues
Macias, Mia: Certificate Awardee
Madhav, Nayanika: Poster PB - Health & Wellness
Madula, Shae: Poster PB - Health & Wellness
Magallanes, Lorena: Poster PB - Health & Wellness
Maghinang, Kaela: Poster PV - Cells & Molecules
Mahapatra, Amitabh: Certificate Awardee
Mahesh, Dhruthi: Poster PJ-2 - Design Thinking & Innovation
Makandar, Saaniya: Poster PM - Health & Wellness
Maldonado, Cesar: Poster PP - Cells & Molecules
Malka, Yoav: Poster PI - Science & Technology
Manda, Kedar: Oral Panel - Artificial Intelligence & Machine Learning
Mandal, Anhiti: ISUR Research Expo
Mandal, Tanisha: Oral Panel - Artificial Intelligence & Machine Learning
Mandhan, Rohan: Poster PA - Cells & Molecules
Manepalli, Anvitha: Poster PQ - Data & Information
Manley, Devin: Certificate Awardee
Mannam, Manaswini: Poster PW - Food Systems
Marquez, Isabella: ISUR Research Expo
Marringa, Delaney: ISUR Research Expo
Marti, Hannah Grace: Certificate Awardee
Martin, Allanah: Poster PM - Health & Wellness
Martinez, Ilyana: Poster PH - Nature, Life & Environment
Martinez, Jennifer: ISUR Research Expo
Martinez, Johan: ISUR Research Expo
Martinez, Liz: Poster PM - Health & Wellness
Martinez, Priscilla: Poster PR - Nature, Life & Environment
Maskey, Ayushi: Poster PB - Health & Wellness & Poster PX - Health & Wellness
Matan, Alyssa: Poster PW - Food Systems
Mathew, Diya: Illinois Mathematics Lab Poster Session
Mathew, Roshni: ISUR Research Expo
Mattas, Robert: Oral Panel - Technology in Practice
Matuszewski, Julie: Certificate Awardee
Maushard, Neil: Poster PI - Science & Technology
Mazur, Alexandra: Poster PF - Cells & Molecules

McCann, Meghan: Oral Panel - Cells & Molecules III
McClanahan, Elise: Poster PC - Humanities, Culture & Society
McFadden, Rory: Oral Panel - Social Change & Identity
McGee, Hannah: Poster PM - Health & Wellness
McMahon, Ryan: Poster PY - Learning & Human Development
McQueen, Andrew: Illinois Mathematics Lab Poster Session
Medina, Joshua: Poster PX - Health & Wellness
Meece, Sarah: Celebrating Our Student Scholars
Mehtha, Karishma: Poster PX - Health & Wellness
Mehtha, Saanj: Poster PE - Social Science & Human Behavior
Mejorado, Vanessa: Poster PJ-1 - Social Science & Human Behavior
Melrose, Avery: Poster PR - Nature, Life & Environment
Mendez, Arianna: Poster PA - Cells & Molecules
Mensah, Judith: Poster PB - Health & Wellness
Mercado, Mia: Poster PK - Cells & Molecules
Merriweather, Cache: Poster PE - Social Science & Human Behavior
Merz, Sylvia: Poster PB - Health & Wellness
Miao, Joshua: ISUR Research Expo
Middleton, Amauri: Poster PB - Health & Wellness
Mikolajczak, Mia: ISUR Research Expo & Poster PT - Science & Technology
Miller, Mary: Poster PQ - Data & Information
Min, Ellen: Poster PJ-2 - Design Thinking & Innovation
Miralrio, Johanna: Poster PR - Nature, Life & Environment
Miszczak, Patricia: Poster PE - Social Science & Human Behavior
Mitchell, Grace: National & International Scholarships
Mitchell, Trinity: Poster PU - Social Issues & Policy
Mittal, Sia: ISUR Research Expo
Mkrtychian, Zara: Poster PX - Health & Wellness
Mohajir, Iman: Poster PK - Cells & Molecules
Mohammadi, Rene: ISUR Research Expo & Celebrating Our Student Scholars
Mohanty, Ashrita: Poster PJ-1 - Social Science & Human Behavior & Poster PO - Society, Culture & Social Issues
Mok, Alexander: Illinois Mathematics Lab Poster Session
Mok, Eunice: ISUR Research Expo
Mok-Chih, Ethan: Oral Panel - Social Science & Culture & Poster PB - Health & Wellness
Monroe, William: Communication Research Showcase
Monzon, Christopher: Illinois Mathematics Lab Poster Session
Moore, Braden: Certificate Awardee
Moore, Ethan: National & International Scholarships
Morrical, Emma: Poster PZ - Social Science & Human Behavior
Morse, Julieanna: Poster PR - Nature, Life & Environment
Mostofi Ashtiani, Maraal: Poster PI - Science & Technology
Moulton, Ellie: Poster PL - Food, Plants & Animals
Moy, Lauren: Certificate Awardee
Mullins, Keegan: Poster PC - Humanities, Culture & Society
Mun, Lya: Poster PH - Nature, Life & Environment
Munkhdelger, Caroline: Oral Panel - Social Issues & Policy I
Murawski, Elizabeth: Poster PO - Society, Culture & Social Issues
Murdie, Lilian: Poster PE - Social Science & Human Behavior
Murga, Catalina Sophia: Poster PN - Science & Technology
Murphy, Seda: Poster PC - Humanities, Culture & Society
Muruges, Varshini: ISUR Research Expo
Myers, Maria: Poster PB - Health & Wellness
Myszka, Michael: Poster PF - Cells & Molecules
Naffakh, Sana: ISUR Research Expo
Nair, Anya: Poster PU - Social Issues & Policy
Nair, Gayathri: Poster PF - Cells & Molecules
Nair, Navya: ISUR Research Expo
Naji, Serena: Poster PZ - Social Science & Human Behavior
Nallacheruvu, Sailaja: ISUR Research Expo
Nannapaneni, Charitha: ISUR Research Expo & Oral Panel - Artificial Intelligence & Machine Learning
Naqvi, Zarina: Poster PX - Health & Wellness
Narang, Shivi: ISUR Research Expo
Natarajan, Dhanish: ISUR Research Expo
Natarajan, Sriram: Poster PL - Food, Plants & Animals

Nathan, Nirmal: Poster PH - Nature, Life & Environment
Navarrete, Sheila: Poster PX - Health & Wellness
Naveja, Katie: Poster PB - Health & Wellness
Nelavelli, Yash: Poster PD - Science & Technology
Nelson, Amelia: Poster PW - Food Systems
Neudorf-Alshanski, Haley: Poster PM - Health & Wellness
Newman, Tricia: Poster PU - Social Issues & Policy
Newman-Payne, Zoë: Poster PO - Society, Culture & Social Issues
Ng, Ocean: Poster PN - Science & Technology
Nguyen, Anh: Poster PN - Science & Technology & Poster PX - Health & Wellness
Nguyen, Jonathan: Poster PM - Health & Wellness
Nguyen, Lauren: Poster PN - Science & Technology
Nguyen, MaryAnne: Poster PB - Health & Wellness
Nguyen, Vivia: Poster PV - Cells & Molecules
Nieto, Mia: Poster PJ-1 - Social Science & Human Behavior
Nippani, Sneha: Poster PZ - Social Science & Human Behavior
Niu, Linna: ISUR Research Expo
Nizar, Mishal: Poster PY - Learning & Human Development
Nkezea, Blessing: Poster PN - Science & Technology
Nong, Richard: Poster PT - Science & Technology
O'Brien, Kaitlyn: Poster PN - Science & Technology
O'Callaghan, Allison: Poster PA - Cells & Molecules
Okolo, Ada: Poster PK - Cells & Molecules
Olalde, Andres: Certificate Awardee
Olaleye, Adeola: Poster PM - Health & Wellness
Oliva, Alan: Poster PJ-1 - Social Science & Human Behavior
Olivero, Noah: Poster PT - Science & Technology
Oller, Reagan: Poster PL - Food, Plants & Animals
Olson, Cody: Poster PD - Science & Technology
Olson, Tessa: Oral Panel - Humanities & The Arts
Ong, Kristel: Poster PB - Health & Wellness
O'Rourke, Brendan: Poster PN - Science & Technology
Ortega, Emma: Oral Panel - Media & Culture
Ortiz, Marko: Celebrating Our Student Scholars
Osborn, Claire: Poster PG - Learning & Human Development
O'Sullivan, Mary: Poster PF - Cells & Molecules
Ouyang, Jonathan: Oral Panel - Cells & Molecules III
Owen, Lucille: Oral Panel - Social Issues & Policy II
Palanuwech, Rabin: Poster PW - Food Systems
Pallipuram, Mallika: Poster PZ - Social Science & Human Behavior
Palmer, Jackie: Poster PE - Social Science & Human Behavior
Palmer, Savanna: Poster PH - Nature, Life & Environment
Pan, Elan: Poster PH - Nature, Life & Environment
Pan, Leland: National & International Scholarships
Pan, Ruohan: Poster PJ-1 - Social Science & Human Behavior
Panczyk, Emily: Poster PR - Nature, Life & Environment
Panfil, Holly: Certificate Awardee
Panich, Valerie: Poster PO - Society, Culture & Social Issues
Panjrath, Kavya: Poster PP - Cells & Molecules
Pant, Vedha: Poster PD - Science & Technology
Pantoja Lara, Fatima: Poster PB - Health & Wellness
Pardo, Arianna: Poster PY - Learning & Human Development
Parekh, Jash: Celebrating Our Student Scholars
Park, Catherine: Poster PA - Cells & Molecules
Park, Donggeon: On Exhibit
Park, Junmee: ISUR Research Expo
Park, Supia: Poster PN - Science & Technology
Park, Violet: Poster PU - Social Issues & Policy
Parker, Kamela (Kami): Poster PC - Humanities, Culture & Society & Celebrating Our Student Scholars
Parmar, Baani: Poster PE - Social Science & Human Behavior
Pascarella, Piper: Oral Panel - Media & Culture
Paskali, Elisabeth: Certificate Awardee
Patel, Aditi: Certificate Awardee
Patel, Akash: Poster PB - Health & Wellness
Patel, Dhriti: Poster PX - Health & Wellness

Patel, Harsh: Poster PB - Health & Wellness
Patel, Hetvi: ISUR Research Expo
Patel, Jaahnvi: Poster PE - Social Science & Human Behavior
Patel, Kajal: ISUR Research Expo
Patel, Keya: Poster PD - Science & Technology
Patel, Khushi: ISUR Research Expo & Poster PQ - Data & Information
Patel, Krish: ISUR Research Expo
Patel, Neel: Poster PJ-2 - Design Thinking & Innovation
Patel, Nidhi: Certificate Awardee
Patel, Rahee: Poster PM - Health & Wellness
Patel, Riya: Poster PB - Health & Wellness
Patel, Shivam: Poster PB - Health & Wellness
Patel, Vidhi: Poster PV - Cells & Molecules
Patidar, Jiya: Illinois Mathematics Lab Poster Session
Patino, Jose: Oral Panel - Social Science & Technology
Patnaik, Trisha: ISUR Research Expo & Poster PG - Learning & Human Development & Celebrating Our Student Scholars
Paul, Shivya: Poster PX - Health & Wellness
Pearl, Greta: Poster PB - Health & Wellness
Pendleton, Denaiya: Poster PZ - Social Science & Human Behavior
Pendleton, Mary: Poster PO - Society, Culture & Social Issues
Peng, Larry: Certificate Awardee
Peng, Lucinda: Poster PU - Social Issues & Policy
Penmatcha, Pranav: ISUR Research Expo
Penmetcha, Trisha: Poster PF - Cells & Molecules
Perez, Bryana: Poster PZ - Social Science & Human Behavior
Perez, Amy: Poster PJ-1 - Social Science & Human Behavior
Periyanayaham, Samhita: Poster PJ-1 - Social Science & Human Behavior
Perlstein, Ben: Poster PR - Nature, Life & Environment
Perryman, Abigail (Abbie): Poster PO - Society, Culture & Social Issues & Poster PV - Cells & Molecules
Peters, Marie: Poster PR - Nature, Life & Environment
Peters, Nicole: Poster PY - Learning & Human Development
Petrie, Mia: Poster PZ - Social Science & Human Behavior
Petrovic, Ila: ISUR Research Expo
Peyyeti, Eisha: ISUR Research Expo & On Exhibit
Pfeiffer, Grace: Poster PJ-1 - Social Science & Human Behavior
Phan, Jordan: Poster PQ - Data & Information
Phillipov, Daniel: Oral Panel - Artificial Intelligence & Machine Learning II
Phillips, Katrina: Oral Panel - Social Change & Identity
Phunratanamala, Thunchanok: Poster PF - Cells & Molecules & Poster PJ-1 - Social Science & Human Behavior
Ping, Alanna: Poster PJ-2 - Design Thinking & Innovation
Pintor, Lizbeth: Poster PX - Health & Wellness
Pitello, Michael: Oral Panel - Health & Wellness I
Poetzel, Aaron: Poster PX - Health & Wellness
Pollack, Calista: Poster PC - Humanities, Culture & Society
Pontikes, Stacey: Poster PY - Learning & Human Development
Pope, Jalisa: Poster PO - Society, Culture & Social Issues
Powers, Katrina: Poster PC - Humanities, Culture & Society
Prabhu, Pramod: Poster PN - Science & Technology
Praet, Jackson: Poster PB - Health & Wellness
Prasad, Vishesh: ISUR Research Expo
Price, Evan: Oral Panel- Society, Culture, & the Human Experience
Price, Trustan: Poster PJ-2 - Design Thinking & Innovation
Prindable, Aedan: Poster PZ - Social Science & Human Behavior
Prokop, Larsen: Poster PF - Cells & Molecules
Prybylski, Emma: Certificate Awardee
Pule, Daniela: Poster PM - Health & Wellness
Punati, Nikhita: ISUR Research Expo
Puranam, Kavya: Poster PQ - Data & Information
Putheti, Vani: Poster PZ - Social Science & Human Behavior
Puthiaparambil, John: ISUR Research Expo
Qi, Linyi: Oral Panel - Social Science & Culture
Qi, Wentao: Illinois Mathematics Lab Poster Session
Qu, Hezhen: Oral Panel - Social Issues & Policy I
Quafisheh, Jenna: Poster PY - Learning & Human Development
Quan, Vanessa: Poster PP - Cells & Molecules

Quiroz, Flor: Oral Panel - Social Science & Human Behavior
Rahman, Ahmad Abdur: Poster PS - Numbers & Computation
Raizer, Adam: Illinois Mathematics Lab Poster Session & Poster PS - Numbers & Computation
Rajagopalan, Ranjana: ISUR Research Expo
Ramachandran, Neha: Certificate Awardee
Ramesh, Anjali: Poster PJ-2 - Design Thinking & Innovation
Ramesh, Nayana: Poster PN - Science & Technology
Ramesh, Vani: ISUR Research Expo
Ramirez, Giuliana: Poster PB - Health & Wellness
Ramirez, Isabella: Poster PJ-1 - Social Science & Human Behavior
Ramos, Jocelin: Poster PJ-1 - Social Science & Human Behavior
Rangu, Laasyasri: ISUR Research Expo
Rank, Sofie: Poster PI - Science & Technology
Rao, Nandini: Poster PN - Science & Technology & ISUR Research Expo
Rao, Tarun: Poster PP - Cells & Molecules
Rashid, Areeba: Poster PD - Science & Technology
Rashid, Heba: Poster PM - Health & Wellness
Rastogi, Monishka: Poster PN - Science & Technology
Rattin, Kevin: Poster PN - Science & Technology
Rauch, Emma: Poster PH - Nature, Life & Environment
Ravi, Prithika: Poster PM - Health & Wellness
Ravishankar, Aman: Poster PY - Learning & Human Development
Raymond-Bertrand, Chris: Oral Panel - Social Science & Technology
Razdan, Rhea: Poster PG - Learning & Human Development
Reavley, Alexa: Poster PW - Food Systems
Redden, Ella: Poster PG - Learning & Human Development
Reddy, Shikha: Poster PN - Science & Technology
Reed, Bethany: Poster PJ-2 - Design Thinking & Innovation
Reese, Jamacion: Poster PO - Society, Culture & Social Issues
Reese, Sasha: Oral Panel - Nature & Environment
Reinoso, Anel: Poster PN - Science & Technology
Ren, Jack: Celebrating Our Student Scholars
Rendon, Alexia: ISUR Research Expo
Rennels, Brayden: Poster PA - Cells & Molecules
Rettig, Brian: Poster PN - Science & Technology
Reynoso, Ashanti: Poster PO - Society, Culture & Social Issues
Riemen, Dylan: Poster PJ-1 - Social Science & Human Behavior
Riese, Lanie: Celebrating Our Student Scholars
Ringstad, Linus: ISUR Research Expo
Rivera, Isabella: Poster PV - Cells & Molecules
Roan, Carson: Poster PM - Health & Wellness
Roberts, Carly: Poster PG - Learning & Human Development
Robinson, Pia: ISUR Research Expo
Rockwell, Hannah: Poster PV - Cells & Molecules
Rode, Mia: Poster PV - Cells & Molecules
Rodriguez, Elizabeth: Communication Research Showcase & Poster PD - Science & Technology & Poster PJ-1 - Social Science & Human Behavior
Rodriguez, Lucia: Oral Panel - Cells & Molecules I
Rogers, Sally Grace: Poster PE - Social Science & Human Behavior
Rojas, Rafael: Illinois Mathematics Lab Poster Session
Roplekar, Srujan: Illinois Mathematics Lab Poster Session
Rosner, Samuel: ISUR Research Expo
Roy, Anika: Poster PV - Cells & Molecules
Roy, Arnab: Poster PF - Cells & Molecules
Ru, Michelle: ISUR Research Expo & Poster PQ - Data & Information
Rucker, T'erra: Poster PU - Social Issues & Policy
Rudianyn, Yana: ISUR Research Expo
Rudy, Savanna: Oral Panel - Health & Wellness I
Rusche, Owen: Poster PX - Health & Wellness
Ryding, Helen: Poster PJ-2 - Design Thinking & Innovation
Ryu, Mira: Illinois Mathematics Lab Poster Session & Poster PS - Numbers & Computation
Rzepa, Natalia: Certificate Awardee
Sadovi, Francesca: Poster PV - Cells & Molecules
Saed, Ally: Poster PE - Social Science & Human Behavior
Safi, Mohammad: Poster PF - Cells & Molecules
Salaudeen, Nurudeen: Poster PW - Food Systems

Salazar, Ximena: Oral Panel - Health Modalities
Sales, Lindsey: Poster PZ - Social Science & Human Behavior
Samatov, Maks: Poster PF - Cells & Molecules
Saminathan, Agilan: Poster PM - Health & Wellness
Sampat, Krisha: ISUR Research Expo
Sampathkumar, Ananya: Poster PF - Cells & Molecules
Sampathkumaran, Bhargav: Poster PO - Society, Culture & Social Issues
Samuel, Neha: Oral Panel - Society, Culture, & the Human Experience
Sanchez, Enrique: Poster PF - Cells & Molecules
Sankar, Sahana: ISUR Research Expo
Santiago, Cecilia: Poster PB - Health & Wellness
Santoyo, Aaron: Poster PU - Social Issues & Policy
Santucci, Miranda: Poster PE - Social Science & Human Behavior
Sapkota, Srijana: Oral Panel - Social Issues & Policy II
Saraff, Sneh: ISUR Research Expo
Sasic, Milosh: ISUR Research Expo
Satish, Varun: Poster PD - Science & Technology
Sawhney, Devanshi: ISUR Research Expo
Schaefer, Jenna: National & International Scholarships
Schaefer, Kirsten: Poster PF - Cells & Molecules
Schneider, Gabriella: Oral Panel - Health & Wellness II
Schnulle, Nora: Celebrating Our Student Scholars
Schonken, Ellen: Poster PR - Nature, Life & Environment
Schrag, Liesl: Poster PL - Food, Plants & Animals
Schramm, Alyssa: Poster PE - Social Science & Human Behavior
Schuch, Ella: Oral Panel - Social Science & Human Behavior
Schultz, Amanda: ISUR Research Expo
Schultz, Avery: Poster PB - Health & Wellness & Poster PM - Health & Wellness & Poster PX - Health & Wellness
Schwenk, Andrew: National & International Scholarships
Sears, Phineas: Poster PN - Science & Technology
Seaton, Taylor: Poster PK - Cells & Molecules
Seo, Harry: Poster PQ - Data & Information
Serafini, Elena: Poster PT - Science & Technology
Serna, Stephany: Poster PG - Learning & Human Development & Poster PJ-1 - Social Science & Human Behavior
Serrano, Valeria: Poster PE - Social Science & Human Behavior
Settelmyer, Joseph: Illinois Mathematics Lab Poster Session & Poster PS - Numbers & Computation
Sexton, Coby: Poster PF - Cells & Molecules
Sha, Hanyang: Illinois Mathematics Lab Poster Session
Shafer, Charlotte: Poster PG - Learning & Human Development
Shah, Arham: Poster PF - Cells & Molecules
Shah, Arnav: Certificate Awardee
Shah, Diya: Poster PM - Health & Wellness
Shah, Ravi: Poster PB - Health & Wellness & Poster PM - Health & Wellness
Shah, Ria: Poster PB - Health & Wellness
Shah, Rohan: ISUR Research Expo
Shah, Rushil: Poster PS - Numbers & Computation
Shaha, Aditya: Poster PB - Health & Wellness
Shaik, Faaris: Celebrating Our Student Scholars
Shaikh, Isra: Poster PB - Health & Wellness
Shaikh, Sheza: Poster PM - Health & Wellness
Shamberg, Becky: Poster PM - Health & Wellness
Shan, Wenqi: Oral Panel - Artificial Intelligence & Machine Learning II
Shang, Tianyi: Certificate Awardee
Shankar, Prakriti: Poster PP - Cells & Molecules
Shannon, Cara: Communication Research Showcase & Poster PU - Social Issues & Policy
Shannon, Sydney: Poster PE - Social Science & Human Behavior
Shao, Evan: Poster PA - Cells & Molecules
Shapiro, Benjamin: Poster PP - Cells & Molecules
Sharma, Mihir: Poster PZ - Social Science & Human Behavior
Shastry, Ayush: Illinois Mathematics Lab Poster Session & Poster PQ - Data & Information
Shazia, Sufiya: Oral Panel - Youth Health & Wellness
Sheehan, Olivia: Poster PJ-1 - Social Science & Human Behavior
Shell, Samantha: Poster PT - Science & Technology

Sheth, Amar: Poster PN - Science & Technology
Shetty, Naavya: Poster PI - Science & Technology
Shi, Hector: Poster PG - Learning & Human Development
Shi, Lyndon: Oral Panel - Social Science & Culture
Shi, Shuoning: Poster PJ-2 - Design Thinking & Innovation
Shick, Madeline: Poster PT - Science & Technology
Shin, Kelly: Poster PM - Health & Wellness
Shin, Leana: Oral Panel - Social Science & Technology
Shin, Trinity: Poster PX - Health & Wellness
Shtereva, Iskra: Oral Panel - Social Science & Technology & Poster PJ-1 - Social Science & Human Behavior
Shuaibi, Dana: Poster PB - Health & Wellness
Shukla, Aditi: ISUR Research Expo
Shukla, Devanshi: Poster PK - Cells & Molecules
Si, Luyang: Oral Panel - Data & Information & Oral Panel - Health & Wellness II
Siddique, Mustafa: Poster PQ - Data & Information
Sidhu, Gurneer: Poster PM - Health & Wellness
Sieczka, Klaudia: Poster PZ - Social Science & Human Behavior
Silzer, Logan: Celebrating Our Student Scholars
Simpson, Rachel: Oral Panel - Social Change & Identity
Sindwani, Atharva: Oral Panel - Health Modalities
Singal, Ritvik: Poster PJ-2 - Design Thinking & Innovation
Singh, Anushka: Poster PV - Cells & Molecules
Singh, Naina: ISUR Research Expo
Singh, Prisha: Poster PS - Numbers & Computation & ISUR Research Expo & Illinois Mathematics Lab Poster Session
Siram, Neha: Poster PV - Cells & Molecules
Sivakumar, Shahanaasree: Poster PT - Science & Technology
Sivakumar, Shalini: ISUR Research Expo
Sivilotti, Sofia: Oral Panel - Science & Technology
Skowron, Claire: Poster PX - Health & Wellness
Skurnak, Kaitlin: Certificate Awardee
Sleezer, Evelyn: Poster PK - Cells & Molecules
Sletten, Grace: ISUR Research Expo
Smeir, Laith: Poster PO - Society, Culture & Social Issues
Smith, Julia: Poster PW - Food Systems
Sneha, Sundar: ISUR Research Expo
Sobel, Jacob: Poster PG - Learning & Human Development & Poster PJ-2 - Design Thinking & Innovation
Sofolo, Lexi: Poster PB - Health & Wellness
Somerville, Michael: Oral Panel - Plants & Animals
Sonthalia, Smira: Poster PZ - Social Science & Human Behavior
Soofi, Nina: Poster PN - Science & Technology
Sophie, Uwamahoro: Certificate Awardee
Soriano, Sofia: Poster PX - Health & Wellness
Sosa-Lopez, Andrea: Poster PY - Learning & Human Development
Sotnick, Tony: Poster PJ-1 - Social Science & Human Behavior
Soto, Diana: Poster PT - Science & Technology
Soupos, Panos: Poster PJ-2 - Design Thinking & Innovation
Sowa, Jakub: Celebrating Our Student Scholars
Sozen, Derin: Poster PN - Science & Technology
Spaete, Emily: Poster PR - Nature, Life & Environment
Spainhour, Julia: Poster PJ-1 - Social Science & Human Behavior
Spiliopoulos, Nicoletta: Poster PB - Health & Wellness & Poster PM - Health & Wellness & Poster PX - Health & Wellness & Celebrating Our Student Scholars
Sponzilli, Ryan: Poster PN - Science & Technology
Sprague, Samantha: ISUR Research Expo
Spreadbury, Esther: Poster PO - Society, Culture & Social Issues
Srinivasan, Annika: Poster PJ-2 - Design Thinking & Innovation
Srivastava, Dhruv: Oral Panel - Numbers & Computation
Srivastava, Pravika: Poster PP - Cells & Molecules
Srivastava, Vatsel: Poster PN - Science & Technology
Stark, Breven: Poster PW - Food Systems
Steiger, Natalie: Poster PU - Social Issues & Policy
Stelter, Julia: Poster PX - Health & Wellness
Stemm, Megan: Poster PG - Learning & Human Development
Stewart, Isaiah: Poster PO - Society, Culture & Social Issues
Stewart, Keith: Poster PW - Food Systems

Stoica, Alexandra: Poster PE - Social Science & Human Behavior
Stoica, Sofia: ISUR Research Expo
Stortzum, Allison: Communication Research Showcase & Poster PX - Health & Wellness
Strader, Staci: ISUR Research Expo & Celebrating Our Student Scholars
Streit, Sara: Certificate Awardee
Strong, Kenneth: Poster PY - Learning & Human Development
Stutsman, Curt: Oral Panel - Data & Information
Suarez, Christopher: ISUR Research Expo
Sudhaman, Shishir: Poster PT - Science & Technology
Sun, Abir: Poster PY - Learning & Human Development & Poster PZ - Social Science & Human Behavior
Sun, Cliff: ISUR Research Expo & Poster PI - Science & Technology
Sun, Xiping: Celebrating Our Student Scholars
Surendran, Anjali: Poster PX - Health & Wellness
Suresh, Amogh: Illinois Mathematics Lab Poster Session
Suresh, Tarun: Celebrating Our Student Scholars
Suri, Arunima: Poster PJ-2 - Design Thinking & Innovation
Surles, Zoe: Poster PN - Science & Technology
Suzue-Pan, Mayumi: ISUR Research Expo
Szczepanski, Martha: Oral Panel - Youth Health & Wellness
Taborski, Jadzia: Illinois Mathematics Lab Poster Session
Tabrizi, Darian: ISUR Research Expo
Tafalla, Megan: Oral Panel - Media & Culture
Taiwo, Ameera: Poster PM - Health & Wellness
Takahashi, Tylor: Oral Panel - Science & Technology
Talmage, Logan: Poster PP - Cells & Molecules
Tamilarasan, Sonika: ISUR Research Expo
Tamoro, Jamie: Poster PU - Social Issues & Policy
Tan, Ivilyn: Oral Panel - Cells & Molecules II
Tan, Xiangyu: Illinois Mathematics Lab Poster Session
Tandon, Mihir: Illinois Mathematics Lab Poster Session & Poster PS - Numbers & Computation
Tang, Jiaqi: Illinois Mathematics Lab Poster Session & Oral Panel - Numbers & Computation
Tang, Yinbo: Illinois Mathematics Lab Poster Session & Poster PS - Numbers & Computation
Taylor, Jack: Poster PN - Science & Technology
Thadani, Raj: Poster PJ-1 - Social Science & Human Behavior
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Thalackan, Joseph: Oral Panel - Cells & Molecules II
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Thirodira, Arya: Poster PN - Science & Technology
Thiyagarajan, Shashwath: On Exhibit
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Thomas, D.J.: Poster PM - Health & Wellness
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Thompson, Jaeda: Poster PO - Society, Culture & Social Issues
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Thuo, Ethan: Certificate Awardee
Tibrewal, Anushree: ISUR Research Expo
Tiwana, Mehek: Poster PE - Social Science & Human Behavior
Tiwari, Ameya: Poster PW - Food Systems
Tolpygo, Natalie: Poster PW - Food Systems
Tomar, Dhruv: Poster PH - Nature, Life & Environment
Tong, Meixuan: Poster PV - Cells & Molecules
Tran, Ashley: Poster PN - Science & Technology
Trela, Corey: Poster PA - Cells & Molecules
Trendler, Riley: National & International Scholarships
Trousdale, Nina: Poster PR - Nature, Life & Environment
Troy, Emma: Poster PU - Social Issues & Policy
Trzupek, Magdalena: Poster PQ - Data & Information
Tsai, Christina: Poster PV - Cells & Molecules
Tseng, Eileen: Poster PI - Science & Technology
Tuisl, Sophia: Poster PH - Nature, Life & Environment

Tulasaku, Aishi: Poster PM - Health & Wellness & Poster PV - Cells & Molecules
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Turner, Sydney: Celebrating Our Student Scholars
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Unnam, Krishna: Poster PN - Science & Technology
Uppuluri, Nishi: ISUR Research Expo
Urquizo, Angel: Poster PM - Health & Wellness
Usman, Anne-Farah: Certificate Awardee
Vaid, Mariam: Oral Panel - Health Modalities
Vaidya, Arjun: Poster PM - Health & Wellness
Valdivia, Liz: Poster PY - Learning & Human Development
Van Hoveln, Seth: Celebrating Our Student Scholars
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Wachtveitl, Josephine: Poster PL - Food, Plants & Animals
Wade, Andrea: Poster PX - Health & Wellness
Walner, Chloe: Poster PY - Learning & Human Development
Wang, Amy: ISUR Research Expo
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Wang, Shengyan: Poster PQ - Data & Information
Wang, Tyler: Illinois Mathematics Lab Poster Session
Wang, William: Oral Panel - Data & Information
Ward, Frankie: National & International Scholarships
Wasfie, Dhuha: Certificate Awardee
Wasniewski, Rian: Poster PM - Health & Wellness
Watson, Amanda: Poster PT - Science & Technology
Watson, Bailey: Poster PW - Food Systems
Watson, Charlotte: Oral Panel - Media & Culture
Watzke, Katherine: Poster PH - Nature, Life & Environment
Weinschenker, Valerie: Poster PH - Nature, Life & Environment
Weldy, Jonathan: Oral Panel - Youth Health & Wellness
Wenger, Lily: Certificate Awardee

Wesenberg, Simon: Poster PJ-1 - Social Science & Human Behavior
Westphal, Jordan: Poster PT - Science & Technology
White, Chloe: Poster PO - Society, Culture & Social Issues
Wiggins, Dheeran: Poster PS - Numbers & Computation
Wilkinson, Julia: Poster PJ-1 - Social Science & Human Behavior
Williams, Jordan: Poster PL - Food, Plants & Animals
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Wolf, Gabrielle: Oral Panel - Society, Culture, & the Human Experience
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Wood, Morgan: Poster PH - Nature, Life & Environment
Woods, Alexander: Poster PU - Social Issues & Policy
Woods, Taigue: Poster PF - Cells & Molecules
Wu, Emily: Poster PY - Learning & Human Development
Wuebbels, Ashley: Poster PX - Health & Wellness
Wulw, Dorota: Poster PY - Learning & Human Development
Wytmar, Justin: Oral Panel - Humanities & The Arts & National & International Scholarships
Xia, Jinxi: Oral Panel - Cells & Molecules I
Xia, Sylvia: Illinois Mathematics Lab Poster Session
Xin, Lu Xian: Oral Panel - Education & Learning
Xiong, Mengwen: Poster PK - Cells & Molecules
Xu, Chris: Poster PN - Science & Technology
Xu, Leyi: Communication Research Showcase & Poster PU - Social Issues & Policy
Yamato, Kei: Certificate Awardee
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Yarza, Anjolie: Poster PC - Humanities, Culture & Society
Ybanez, Karla: Poster PK - Cells & Molecules
Yeager, Noah: Oral Panel - Humanities & The Arts
Yedavalli, Anjali: Poster PU - Social Issues & Policy
Yegappan, Swetha: Poster PS - Numbers & Computation
Yeon, Jehyeok: Poster PN - Science & Technology
Yim, Benjamin: Poster PX - Health & Wellness
Yoon, Elliot: Poster PV - Cells & Molecules
Yoon, Seung Wook: Poster PN - Science & Technology
Yu, Marcia: Celebrating Our Student Scholars
Yu, Tianbai: Oral Panel - Artificial Intelligence & Machine Learning
Yun, Hyojeong: Oral Panel - Cells & Molecules III
Yung, Claire: Poster PJ-1 - Social Science & Human Behavior
Yurchanka, Dmitry: Poster PA - Cells & Molecules
Zagorski, Max: Poster PM - Health & Wellness
Zakharchenko, Evan: Poster PF - Cells & Molecules
Zamkova, Viktoriya: Poster PP - Cells & Molecules
Zarea, Sara: Poster PB - Health & Wellness
Zayyad, Mohammad: Poster PF - Cells & Molecules
Zeng, Annie: ISUR Research Expo
Zeng, Michelle: Poster PN - Science & Technology
Zeng, Zeyu: Poster PD - Science & Technology
Zepeda, Jasmin: Poster PE - Social Science & Human Behavior
Zhan, Xianyang: Celebrating Our Student Scholars
Zhang, Davis: ISUR Research Expo
Zhang, Guowei: Poster PV - Cells & Molecules
Zhang, James: Poster PT - Science & Technology
Zhang, Kevin: Poster PF - Cells & Molecules

Zhang, Louisa: ISUR Research Expo
Zhang, Max: Oral Panel - Health & Wellness II
Zhang, Olivia: Poster PY - Learning & Human Development
Zhang, Ruofan: Poster PZ - Social Science & Human Behavior
Zhang, Yiqian: Oral Panel - Numbers & Computation & Celebrating Our Student Scholars
Zhang, Zitao: Oral Panel - Data & Information
Zhang, Zory: Poster PI - Science & Technology
Zhao, Lifan: Oral Panel - Health & Wellness II
Zhao, Xing: ISUR Research Expo
Zhao, Zifan: Poster PT - Science & Technology
Zhen, Steven: Illinois Mathematics Lab Poster Session
Zheng, Claire: ISUR Research Expo
Zheng, Elyse: Poster PG - Learning & Human Development
Zheng, Yixu: Illinois Mathematics Lab Poster Session
Zheng, Yu: Poster PX - Health & Wellness
Zhou, Andy: Celebrating Our Student Scholars
Zhou, Angelina: ISUR Research Expo
Zhou, Lucy: Poster PR - Nature, Life & Environment
Zhou, Luo: Poster PI - Science & Technology
Zhou, Xiaoran: Oral Panel - Social Issues & Policy I
Zhou, Yichen: Illinois Mathematics Lab Poster Session
Zhu, Michelle: Poster PP - Cells & Molecules
Ziny, Hania: Poster PV - Cells & Molecules
Zlatic, Annamarie: Poster PB - Health & Wellness & Poster PM - Health & Wellness & Poster PX - Health & Wellness
Zobus, Katherine (Katie): ISUR Research Expo & Poster PF - Cells & Molecules & Celebrating Our Student Scholars
Zou, Jeff: Poster PQ - Data & Information
Zubieta, Julianna: Poster PL - Food, Plants & Animals
Zubrickas, Ian: Poster PB - Health & Wellness
Zwonitzer, Kahlan: Poster PO - Society, Culture & Social Issues

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