

Fall 2024 Undergraduate Research Expo: *List of Mentors and non-Student Acknowledgments*

Name spellings appear as submitted in OURConnect. Names may be edited (for future reporting) via “my profile” in OURConnect.

Students’ Role Notations: †Presenting Author, ‡Contributing Author, *Acknowledgment

Name	Presentation	Students	Title
Abramova, Inna (mentor)	Poster #1289 presented 11/19 @ 10:30-11:30am	Elizabeth G Ruckle† Ceylon Michelle Wargo†	How Do Reading Interventions Affect the Reading Fluency of Struggling Readers in Grades 3-6?
Adams, Nicole (mentor)	Research Talk #7036 presented 11/20 @ 12:00pm	Victor Ionut Ene† Danica Brynn Joyner† Nathan James Arnold† Harshavi P Birla† Natasha Rajendrarao Gundapaneni† Ty Dean Frederick† Shelby Grace Britton† Parth Kailash Dubal† Bhaskar S Patke†	Biomedical Drone for Narcan Delivery
Addis, Clark C (mentor)	Poster #1080 presented 11/19 @ 9:00-10:00am	Maria Pundik† Chelsea Tinsley* Kendal ZaiSi Tinsley*	Design and Manufacturing of Rigid Origami Structures
Adepu, Harshith Kumar (acknowledgment)	Poster #1516 presented 11/19 @ 12:00-1:00pm	Noah James Willis†	Thermal Transport in 3D Printed Packaging Materials
Agarwal, Shubhanshu (mentor)	Poster #1071 presented 11/19 @ 9:00-10:00am	Andrew Evan Modin†	Rethinking tolerance factor analysis for selenide-based chalcogenide perovskites
Aggarwal, Vaneet (mentor)	Virtual #9021 presented 11/19-11/26 virtually	Sonal Naik†	Machine Learning Algorithms for Improved Decision Making in Healthcare
Agnew, Christopher R (mentor)	Poster #1495 presented 11/19 @ 12:00-1:00pm	Amrit Subramanian† Ariana Raquel Morton* Luke Harrison Huff* Nathan Joel Benjamin* Eliana Raina Romero* Mary Clare Schofield* Ethan Thomas Stark*	Information modality and willingness to engage in prosocial behavior
Agrawal, Rakesh (mentor)	Poster #1071 presented 11/19 @ 9:00-10:00am	Andrew Evan Modin†	Rethinking tolerance factor analysis for selenide-based chalcogenide perovskites
Aguilar, Ruben C (mentor)	Poster #1029 presented 11/19 @ 9:00-10:00am	Carla D'Amato†	Characterization of Abnormal Aquaporin-9 Retention and its ties to Lowe Syndrome
Aguilar, Ruben C (mentor)	Poster #1231 presented 11/19 @ 10:30-11:30am	Mahsa Farahani†	Defining VIII Phenotype vs WT in Different Cell Lines
Aime, Mary (mentor)	Poster #1235 presented 11/19 @ 10:30-11:30am	Ethan Burke Fox† Alexander Stephen Haynes‡	Evaluating the Tolerance of Aquatic Fungi to Major Components of Coal Ash and Antifungal Compounds.
Aime, Mary (mentor)	Poster #1403 presented 11/19 @ 12:00-1:00pm	Kaitlyn Marie Annunziata†	The Effects of pH, Moisture Content, and Photoperiod on the Mycobiome of <i>Lasallia papulosa</i>
Aime, Mary (mentor)	Research Talk #7029 presented 11/20 @ 11:40am	Lane Bell†	Investigating Mycoparasitic Behavior of <i>Alternaria</i> on Various Species of Rust Fungi
Ajagu, Richard Osita (acknowledgment)	Poster #1257 presented 11/19 @ 10:30-11:30am	Junyoung Kim† Christian A Choi†	Racing Line Optimization with Adoptive Grip Estimation
Ajagu, Richard Osita (mentor)	Poster #1432 presented 11/19 @ 12:00-1:00pm	Justin Zijie Gan† Sahithi Gokavarapu† Pranati Patchigolla†	Camera Lidar Fusion Pipeline

Name	Presentation	Students	Title
Ajagu, Richard Osita (mentor)	Poster #1497 presented 11/19 @ 12:00-1:00pm	Benjamin Thomas Sykest† Rohin Rajesh Nair† Emily Song† Aroldo Fernando Lugo Quintanilla† Alexander Popescu† Shreya Shrikrushna Pulujkar†	Integration of Autonomous Racing Systems
Al Hawwash, Awadh Mubarak M (mentor)	Virtual #9019 presented 11/19-11/26 virtually	Cohen Scott Meredith† Elliott Samuel Korentager† Willard Gabriel Rash Cuevas† Gavin Robert Beyers† Owen Michael Bartel‡ Toby Dwayne George‡ Meghana Sunil Kumar‡ Pralhad Prashant Mundargi‡ Samir Niradbhai Patel‡ Gavin Wang‡ Andrew Loren Peterson‡	The Rat Cage Conundrum: An Innovative Cage Design
Alajlouni, Marwan MMT (acknowledgment)	Poster #1015 presented 11/19 @ 9:00-10:00am	Katelyn Emily Bottando† Grace Rentfro*	Addressing Tetrachloroethylene in an Impacted Community: Analysis of Exposure in Martinsville, IN
Alajlouni, Ruba Ahmad Qwai (acknowledgment)	Poster #1097 presented 11/19 @ 9:00-10:00am	Austin Robert Tanabe† Daniel Russell Cline† Collin Jayson Kao*	Isolation and Characterization of Bacteriophage Goblin19: Expanding the Phage Database Targeting <i>Arthrobacter globiformis</i>
Alajlouni, Ruba Ahmad Qwai (mentor)	Poster #1203 presented 11/19 @ 10:30-11:30am	Tina Atmani† Lana Malek† Xiuyu Shi†	Isolation, purification, and characterization of Bacteriophage Tiziri from <i>Arthrobacter globiformis</i>
Alajlouni, Ruba Ahmad Qwai (acknowledgment)	Poster #1206 presented 11/19 @ 10:30-11:30am	Alexis Lucille Ador Bernal† Manya Devang Kadiwala†	Isolation, Extraction, and Characterization of the Novel Actinobacteriophage, Skitty, using the host <i>Arthrobacter Globiformis</i> for Potential Antimicrobial Applications
Alajlouni, Ruba Ahmad Qwai (acknowledgment)	Poster #1278 presented 11/19 @ 10:30-11:30am	Mia Cynthia Pfeiffer† Anne Flynn Campbell† Collin Jayson Kao‡	Isolation and Characterization of Halloween Using A. <i>Globiformis</i> B-2979
Alajlouni, Ruba Ahmad Qwai (acknowledgment)	Poster #1280 presented 11/19 @ 10:30-11:30am	Katherine Alfreda Poirier† Lauren Elizabeth Bhat† Lauren Marie Schinker‡	Isolation of novel bacteriophage PeteJr using host <i>Arthrobacter globiformis</i>
Alajlouni, Ruba Ahmad Qwai (acknowledgment)	Poster #1296 presented 11/19 @ 10:30-11:30am	Sara Thomason† Zhiyuan Chen†	Discovery and characterization of <i>Arthrobacter</i> phage FrancisForever
Alajlouni, Ruba Ahmad Qwai (acknowledgment)	Poster #1631 presented 11/19 @ 1:30-2:30pm	Natalia Brynn Gaffney† Leilani Grace Agngarayngay† Alexis Lucille Ador Bernal‡	Isolation of Novel Bacteriophage Natlani from <i>Arthrobacter Globiformis</i>
Alajlouni, Ruba Ahmad Qwai (mentor)	Poster #1650 presented 11/19 @ 1:30-2:30pm	Sreesha Vedavalli Kidambi† Jamie Youngjin Cho† Jason England Thiagarajan†	WileECoyote Bacteriophage Isolation and DNA Extraction
Alam, Muhammad A (mentor)	Poster #1309 presented 11/19 @ 10:30-11:30am	Luke Joseph Fortner†	Reliability of Plastic Encapsulated Microelectronics in the near Earth Radiation Environment
Alam, Muhammad A (mentor)	Poster #1459 presented 11/19 @ 12:00-1:00pm	Adam Timothy Mack†	Combine Harvester Compatible with Integrated Agrivoltaics Architecture and System
Alexander, Jordan Joseph (mentor)	Poster #1601 presented 11/19 @ 1:30-2:30pm	Ishaan Krishna Agrawal† Aaron David Slamovich† Elle S Case† Maxim Nickolas Yamilov†	Earth Remote Sensing with Signals of Opportunity
Alexeenko, Alina (mentor)	Poster #1014 presented 11/19 @ 9:00-10:00am	Cole Emerson Blocher† Elian David Coyotl Garcia† Chanwoo Lim† Cassius Samuel Sampson† Ria Sinha†	FEMTA Suborbital Environment Testing

Name	Presentation	Students	Title
Alexeenko, Alina (mentor)	Poster #1633 presented 11/19 @ 1:30-2:30pm	Mahineer Ghosh† Varun Rajesh† Makeda Teshome Duey† Ansh Alpesh Kothari†	Avionics Software Development for the FEMTA Suborbital Flight Experiment
Aliaga, Daniel G (mentor)	Poster #1684 presented 11/19 @ 1:30-2:30pm	Mridu Prashanth†	Urban Fire Zones: Simulation and Planning
Allen-Petersen, Brittany Lee (mentor)	Poster #1647 presented 11/19 @ 1:30-2:30pm	Emma Frances Kay† Ella Rose Deanne Chianis‡	Utilizing an Inducible System to Determine the Role of PP2A-B56a Activation in PDAC
Allen-Petersen, Brittany Lee (mentor)	Research Talk #7009 presented 11/20 @ 9:00am	Talia Lee Kidder†	Characterizing Genetic Knockdown of CIP2A in Non-Small Cell Lung Cancer Cells
Allen-Petersen, Brittany Lee (mentor)	Research Talk #7045 presented 11/20 @ 12:00pm	Ella Rose Deanne Chianis†	Differential responses to PP2A activation are influenced by AREG signaling
Allen-Petersen, Brittany Lee (mentor)	Research Talk #7059 presented 11/20 @ 1:40pm	Indiraa Doraivel†	Investigating the role of PP2A-B56a in the Autophagy pathway in Pancreatic Cancer
Alvarez Nunez, Juan Camilo (mentor)	Research Talk #7053 presented 11/20 @ 1:40pm	Gabriela Espinel Charry†	Design of a curriculum proposal for the teaching of English/Spanish for pharmacy students focused on the correct use of medications and interculturality.
Ambike, Satyajit S (acknowledgment)	Poster #1262 presented 11/19 @ 10:30-11:30am	Gabrielle Elizabeth Layman† Shlok Rajesh Kulkarni† Zachary Traina†	The Effects of hearing loss when navigating in an outside environment
Ambrose, Rose Prabin Kingsly (mentor)	Poster #1469 presented 11/19 @ 12:00-1:00pm	Tovia Grace Owens†	Comparative Performance of Urea-Gypsum Cocrystals
Anandayavaraj, Dharun Rajkkumar (mentor)	Virtual #9027 presented 11/19-11/26 virtually	Tanmay Singla†	Analyzing Software Failures from the News Using LLMs
Anasori, Babak (mentor)	Poster #1693 presented 11/19 @ 1:30-2:30pm	Christian Paul Hardy Scott†	Effect of large precursor grains on the synthesis and quality of 2D double-transition metal MXenes
Anderson, Nicole L (mentor)	Poster #1483 presented 11/19 @ 12:00-1:00pm	Sydnie Alexandria Scozzaro†	Characterizing Gamma Delta-APC T cells involved in Colorectal Cancer (CRC) risk associated Inflammatory Bowel Disease (IBD)
Appenzeller, Joerg (mentor)	Poster #1048 presented 11/19 @ 9:00-10:00am	Jacob Charles Humphrey† Dilay Aygun† Huan Wen Mao† Rakhmatillokhon Avazkhon u Abdubaev† Hsun-Ti Chiang† Charlita Sinmak† Hao Tian Pang† Ryan Prado Bailey†	Metal-Insulator-Metal Capacitor SPC Project
Applegate, Bruce M (mentor)	Research Talk #7040 presented 11/20 @ 12:20pm	Hayley Kristen Wong Liong† Athanasios Gregory Flessas†	Ensuring Consumer Safety by Analyzing the Impact of Fluctuating Temperatures on STEC
Applegate, Bruce M (mentor)	Research Talk #7051 presented 11/20 @ 1:00pm	Carson William Rockwell† Bailey Jean Williams†	The Consequence of Temperature Variance During Transportation on Salmonella: Impact on Food Safety
Ardekani, Arezoo (mentor)	Research Talk #7024 presented 11/20 @ 11:00am	Divya Raghvendra Manvikar† Mira Nimesh Patel† Dipali Rebecca Abraham†	The Modeling of the Umbilical Cord In End of Term Women Using a PDMS Microfluidics Design
Arrieta Diaz, Andres (mentor)	Poster #1080 presented 11/19 @ 9:00-10:00am	Maria Pundik† Chelsea Tinsley* Kendal ZaiSi Tinsley*	Design and Manufacturing of Rigid Origami Structures
Aryal, Uma K (mentor)	Poster #1624 presented 11/19 @ 1:30-2:30pm	Aryaman Dewant† Malyka Ram† Priyanshu Datta Roy† Rishabh Kottakota*	Lipidomic Analysis of Crocosphaera subtropica ATCC 51142 Under Diurnal Light-Dark Cycle and Nitrogen Conditions
Aryal, Uma K (mentor)	Research Talk #7069 presented 11/20 @ 2:00pm	Rishabh Kottakota† Aryaman Dewan* Malyka Ram* Priyanshu Datta Roy*	Glycoprotein Analysis of Aged Mice Brain Proteome
Ault, Aaron C (mentor)	Poster #1220 presented 11/19 @ 10:30-11:30am	Kevin Ming Chang† Aditya Krishnan Sivathanu† Samyukta Balaji*	Complete Online Database of Invertebrate Fossil Genera

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Ault, Aaron C (mentor)	Poster #1609 presented 11/19 @ 1:30-2:30pm	Leyton Drew Bostre† Michael Robert Knaack† Samyukta Balaji† Aditya Krishnan Sivathanu‡ Kevin Ming Chang‡	Online Visualization of Earth History
Azimi, Fatemeh (acknowledgment)	Poster #1062 presented 11/19 @ 9:00-10:00am	Jessica Serena Jiayue Li† Jingyu Xiao*	Synthetic Aperture Radar Technology for Estimating Soil Moisture
Azimi, Fatemeh (mentor)	Poster #1298 presented 11/19 @ 10:30-11:30am	Jingyu Xiao† Jessica Serena Jiayue Li‡	Estimation of Soil Moisture with Synthetic Aperture Radar and Machine Learning
Bachman, Brent Benjamin (mentor)	Poster #1248 presented 11/19 @ 10:30-11:30am	Natalie Chyrystine Hoffmant†	The Impact of Different Types of High Fat Diet on Energy Consumption and Weight Gain in Male and Female Rats
Baena, Alexander (mentor)	Poster #1491 presented 11/19 @ 12:00-1:00pm	Anna Marie Sorg†	Characterization of Ceramic Interfaces in Mycoconics™: Optimizing Fungal Growth for Space Applications
Baghirov, Javad (acknowledgment)	Poster #1077 presented 11/19 @ 9:00-10:00am	Joon Hong Park† Pranav Punuru‡	User-friendly web-server for cryo-EM structure modeling and validation
Bajaj, Shivam (acknowledgment)	Poster #1084 presented 11/19 @ 9:00-10:00am	Felipe Ramirez Franco† Alen Santiago Lizarazo Osorio* Yovani Garcia Munera*	Designing Incentives for Customer Actions: Simulations about Incentivized-UCRL2 Learning Algorithm in Home Heating System
Balachandran Sajitha, Nithin Chandran (mentor)	Poster #1693 presented 11/19 @ 1:30-2:30pm	Christian Paul Hardy Scott†	Effect of large precursor grains on the synthesis and quality of 2D double-transition metal MXenes
Balian, Lara Nicole (mentor)	Poster #1637 presented 11/19 @ 1:30-2:30pm	Abigail Marie Higgins† Arshia Bhuvana Rama† Lauren M Hopkins†	Using rapid qualitative analysis to inform a community-engaged cervical cancer screening intervention for people experiencing homelessness
Ballance, Tanner James (mentor)	Poster #1113 presented 11/19 @ 9:00-10:00am	Quqi Zhang†	Investigating Mechanical Stress in Plant Cells
Banerjee, Arnab (mentor)	Poster #1618 presented 11/19 @ 1:30-2:30pm	Piyush Dnyaneshwar Chhallenge†	Exploration of Magnetic Properties in Novel Triangular Quantum Magnets
Banko, Andrew James (mentor)	Poster #1304 presented 11/19 @ 10:30-11:30am	Bryan Frost†	Optimization for Diverse Team Assignment with a Case Study at West Point
Bansal, Shubhra (mentor)	Poster #1307 presented 11/19 @ 10:30-11:30am	Caroline Marie Cameron†	Electromigration Failures in Cu-micro bumps with Sn-Ag solder caps
Bansal, Shubhra (mentor)	Poster #1308 presented 11/19 @ 10:30-11:30am	Ethan Christian Christie†	UV-Vis-NIR Spectroscopy to measure Degradation in Dielectric Fluids and Thin-Film Semiconductors
Bansal, Shubhra (mentor)	Poster #1311 presented 11/19 @ 10:30-11:30am	Parker Joseph Jeffrey†	Thermo-mechanical Reliability of Metal Embedded Chip Assembly (MECA) Package
Bansal, Shubhra (mentor)	Poster #1317 presented 11/19 @ 10:30-11:30am	Mark Joseph Tereck†	Degradation Kinetics of Thermal Interface Materials in Liquid Immersion Cooling Systems
Bansal, Shubhra (acknowledgment)	Poster #1506 presented 11/19 @ 12:00-1:00pm	Brendan Duffy† Hannah Y Chun* Rongkai Yu*	Micro-Precision Constitutive Characterizations of High-Temperature Solder Interconnects and Circuit Board Specimen Design for Electromigration Testing
Bansal, Shubhra (mentor)	Poster #1515 presented 11/19 @ 12:00-1:00pm	Kyle J Wiegand†	Thermo-Mechanical Reliability of Bismuth Solders for High Temperature Packaging
Bansal, Shubhra (mentor)	Virtual #9029 presented 11/19-11/26 virtually	Laasya Thiagarajan†	Critical metal extraction from thin-film semiconductors at End-of-Life
Baral, Garima (mentor)	Research Talk #7059 presented 11/20 @ 1:40pm	Indiraa Doraivel†	Investigating the role of PP2A-B56a in the Autophagy pathway in Pancreatic Cancer
Barbarash, David Michael (mentor)	Poster #1021 presented 11/19 @ 9:00-10:00am	Christopher Timothy Chan† Justin Song† Niril Jestus† Jacob Adam Clark† Sabrina Louise Gray† Mihika Sharma†	How NPCs Simulate Human-like Social Interactions in Crowded Environments

Name	Presentation	Students	Title
Barbarash, David Michael (mentor)	Poster #1486 presented 11/19 @ 12:00-1:00pm	Sarah Michelle Sewell† Leo Chen† Sun Hong H Park† Ata Ulas Guler† Rachel Wingyan Ho†	How can simultaneous environmental stimuli be leveraged to influence NPC behavior in Unreal Engine?
Barocio Vaca, Eduardo (mentor)	Poster #1083 presented 11/19 @ 9:00-10:00am	Lea Nikole Quiroa Lopez† Juan Pablo Melgar Feregrino†	Influence of Surface Sealing and Release Agent on Surface Characteristics of Additively Manufactured Fiber-Reinforced Thermoplastic Composite Tools
Barocio Vaca, Eduardo (mentor)	Poster #1087 presented 11/19 @ 9:00-10:00am	Alejandro Sebastian Sanchez Garza† Cameron J Hartsfield† Luis Carlos Nino Cabello†	Development of a Multi Axis Extrusion Deposition Additive Manufacturing Research Platform for Non-Planar Printing.
Barocio Vaca, Eduardo (mentor)	Poster #1429 presented 11/19 @ 12:00-1:00pm	Raul Hector Fuentes Hernandez† Ivan Gregorio Vega Campast†	Development of Modular Robotic Platform for Ocean Exploration Through Composites Additive Manufacturing
Barocio Vaca, Eduardo (mentor)	Poster #1494 presented 11/19 @ 12:00-1:00pm	Robert Patterson Stewart† Isaiah Maningas† Jason Jaesung Lew†	Compression Molding of Hybrid Continuous and Long Discontinuous Carbon Fiber Reinforced Thermoplastics for Enhanced Structural Performance
Barocio Vaca, Eduardo (mentor)	Poster #1675 presented 11/19 @ 1:30-2:30pm	Paul Kyu-Hwan Park† Caden Cole Cowles‡	Investigation of Adhesive Joints in Printed Autoclave Tooling
Barocio Vaca, Eduardo (mentor)	Research Talk #7000 presented 11/20 @ 9:00am	Hanhyun Kwak†	Applicability of Additively Manufactured Fiber-Reinforced Thermoplastic Composite Mold for Thermoplastic Composite Thermoforming Process
Barocio Vaca, Eduardo (mentor)	Research Talk #7043 presented 11/20 @ 12:20pm	Sucheol Woo† Min Yong Chun*	Investigation of Optimal Machining Parameters for Fiber-Reinforced Thermoplastic Composite Tooling
Barta, Riley Bradley (mentor)	Poster #1017 presented 11/19 @ 9:00-10:00am	Zachary V Bryant†	Compressor Technology Development for Refrigerants <150 Global Warming Potential
Barta, Riley Bradley (mentor)	Poster #1066 presented 11/19 @ 9:00-10:00am	Kayla Elizabeth Manley† Tanvir Kaur† Madison Paige Ward† Nishtha Singh†	Modelling Thermophysical properties of Refrigerant Mixtures
Barta, Riley Bradley (mentor)	Poster #1108 presented 11/19 @ 9:00-10:00am	Madison Paige Ward†	Measurement of Low-GWP Refrigerant-Lubricant Mixture Properties
Barta, Riley Bradley (mentor)	Poster #1254 presented 11/19 @ 10:30-11:30am	Tanvir Kaur†	Chemical Reactivity of Refrigerants
Barta, Riley Bradley (mentor)	Poster #1268 presented 11/19 @ 10:30-11:30am	Kayla Elizabeth Manley† Tanvir Kaur* Nishtha Singh* Madison Paige Ward*	Chemical Analysis of Low-GWP Refrigerants: Modeling and Characterizing Membranes
Barta, Riley Bradley (mentor)	Poster #1487 presented 11/19 @ 12:00-1:00pm	Samantha Marcelle Sima†	Evaporator Test Section to Accurately Characterize Zeotropic Working Fluids
Barta, Riley Bradley (mentor)	Poster #1710 presented 11/19 @ 1:30-2:30pm	Robert Thomas Welp†	Research on Behavior of Zeotropic Refrigerant Mixtures
Bartholomew, Scott Ronald (mentor)	Poster #1417 presented 11/19 @ 12:00-1:00pm	Amiah Bailey Clevenger†	Integration of Learning by Evaluating (LbE) within the 5E Instructional Model in Engineering Design Education
Bartlett, Edward L (mentor)	Research Talk #7076 presented 11/20 @ 3:20pm	Jax Patrick Marrone† Andres Navarro‡ Emily Le Bell‡ Audrey V Harrison‡	Comparison of Speech Token Variations and Their Ability to Assess Features of Hearing Loss
Baruah, Rwiwoo (mentor)	Poster #1279 presented 11/19 @ 10:30-11:30am	Brooke Allison Pilkey† Shreya Joshy‡	Understanding the role of bacterial exopolysaccharides as a virulence factor in the Ralstonia-tomato pathosystem
Bass, Casie S (mentor)	Poster #1008 presented 11/19 @ 9:00-10:00am	Megan Grace Ashley† Abigail Joy Benham† Sabrina Ann Blount† Ashleigh P Thompson† Dane' van Ghunt†	Vitamin E Supplementation in Horses and Ponies

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Name	Presentation	Students	Title
Bass, Casie S (mentor)	Poster #1012 presented 11/19 @ 9:00-10:00am	Makaela Marie Bennett† Grace Makenna Gonzalez† Anthony John Gruber† Mary Elizabeth Reeder† Mackenzie Joy Shea†	Impact of Slow Versus Regular Hay Nets on Hay Consumption in Stalled Horses
Bass, Casie S (mentor)	Poster #1018 presented 11/19 @ 9:00-10:00am	Dawn Elaine Burch† Georgia Jones† Bodhi Alan Kuiper† Kylie Shea Soniak†	Introduction of Novel Stimulus on Horse and Pony Behaviors
Bass, Casie S (mentor)	Poster #1019 presented 11/19 @ 9:00-10:00am	Madison Nicole Butz† Sydnee Noelle Culp† Allison Grace Schimpf† Connor J Smith† Devin Brianna Thomas†	Cutaneous metacarpal temperature changes due to protective boot use in equines pre- and post-exercise.
Bass, Casie S (mentor)	Poster #1076 presented 11/19 @ 9:00-10:00am	Sidney Nicole Panaretos† Megan Elizabeth Hines† Sydney D Anderson† Haley Marie Morgan† Alexis Ann Evans†	Horse Treat Preferences Based on Flavor
Baumgartner, Beth Elly (mentor)	Poster #1200 presented 11/19 @ 10:30-11:30am	Addison Nicole Acree†	Nurses Need Care Too
Baumgartner, Beth Elly (mentor)	Poster #1676 presented 11/19 @ 1:30-2:30pm	Harshitha Pathania†	Revolutionizing Real Time Healthcare with Artificial Intelligence: Addressing the Scope of Artificial Intelligence in Improved Patient Outcomes
Baumgartner, Beth Elly (mentor)	Research Talk #7042 presented 11/20 @ 12:00pm	William Brian Nilges†	Rethinking Civil Litigation: Why A Data Driven Approach is Necessary
Beasley, Melanie M. (mentor)	Poster #1446 presented 11/19 @ 12:00-1:00pm	Colin Francis Kelly†	Cash Crops and Pathogens: How historical examples can inform the fight against tar spot in cornfields
Beck, Karen S (acknowledgment)	Poster #1214 presented 11/19 @ 10:30-11:30am	Juan Pablo Camacho Arias†	Latent Transition Analysis of Suicide Risk in Sexual Minority Population: The Protective Role of Age
Beechem, Thomas Edwin (mentor)	Poster #1514 presented 11/19 @ 12:00-1:00pm	Bradon Rowan Timms†	Photoluminescence Spectroscopy Probing Defects in Ultrathin Transition Metal Dichalcogenides (TMD)
Beegle, Stephen Allan Paul (mentor)	Poster #1301 presented 11/19 @ 10:30-11:30am	Yao Yao† Ramsey David Frederick Miller†	How do LLM Responses Differ When Asked About Medication Interactions with Alcohol?
Beegle, Stephen Allan Paul (mentor)	Poster #1463 presented 11/19 @ 12:00-1:00pm	Grayson Montgomery McCard†	Exploring The Impact of Hallucinogens on Sexual Fluidity: A Comprehensive Literature Review
Belbase, Bishnu Prasad (mentor)	Poster #1618 presented 11/19 @ 1:30-2:30pm	Piyush Dnyaneshwar Chhalla†	Exploration of Magnetic Properties in Novel Triangular Quantum Magnets
Bellisario, Kristen Marie (mentor)	Poster #1411 presented 11/19 @ 12:00-1:00pm	Zhixin Cai† Keith Meyers*	Analysis of Cicada appearance through a pre-built TensorFlow model BirdNet
Bellisario, Kristen Marie (mentor)	Poster #1443 presented 11/19 @ 12:00-1:00pm	Katie Luo Hong† Sierra Hunnicutt‡ Abigail Rose Malott‡ Antonia Christina Alexiou* Sabrina Michelle Hardy* Vaishnavi Purram*	Analyzing bobcat presence in relation to species occupancy within trail-use factors
Bellisario, Kristen Marie (mentor)	Poster #1489 presented 11/19 @ 12:00-1:00pm	Dhruv Soni†	Audio detection of Cicadas using LEAF
Bellisario, Kristen Marie (mentor)	Poster #1640 presented 11/19 @ 1:30-2:30pm	Sierra Hunnicutt† Antonia Christina Alexiou† Katie Luo Hong* Abigail Rose Malott* Sabrina Michelle Hardy*	Determination of cyclical patterns in bobcat movement in relation to seasonal flooding along the Wabash River and its tributaries

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Bellisario, Kristen Marie (mentor)	Poster #1659 presented 11/19 @ 1:30-2:30pm	Abigail Rose Malott† Katie Luo Hong* Sierra Hunnicutt* Sabrina Michelle Hardy* Lukas Benjamin Kraft*	Analyzing bobcat presence based on nocturnal prey occupancy in mixed forest habitats
Bellisario, Kristen Marie (mentor)	Poster #1663 presented 11/19 @ 1:30-2:30pm	Keith Meyers† Zhixin Cai*	Periodical Cicadas and the Effects of Herbicide Use
Benedicto, Elena (acknowledgment)	Poster #1288 presented 11/19 @ 10:30-11:30am	Collin Thomas Reagin†	Utilizing Participatory Action Research to Preserve Indigenous Languages, Cultures, and Knowledge
Benito Alston, Claudia (mentor)	Research Talk #7025 presented 11/20 @ 11:20am	Maria Macias†	A Novel Approach to Sex-Specific Responses of Enhancing Osteogenesis with a 3D-Printed Hybrid Hydrogel
Bera, Aniket (mentor)	Poster #1684 presented 11/19 @ 1:30-2:30pm	Mridu Prashanth†	Urban Fire Zones: Simulation and Planning
Bera, Aniket (mentor)	Research Talk #7047 presented 11/20 @ 12:40pm	Revanth Krishna Senthilkumar†	A PHD Filter Approach to Target-Invariant Persistent Monitoring
Bergman, Matthew Edward (mentor)	Poster #1622 presented 11/19 @ 1:30-2:30pm	Maria Fernanda Delgado Taboada†	Formation and characterization of transgenic lines of SMAX1a and SMAX1b mutants in <i>Petunia hybrida</i>
Bermel, Peter (mentor)	Poster #1025 presented 11/19 @ 9:00-10:00am	Chengyu Chiu† Pin-Chen Su† Yoshiki Takeuchi† Qiming Chai†	Methods for securing commercial dies into silicon substrates as heterogenous integration in low earth orbit applications
Bermel, Peter (mentor)	Poster #1250 presented 11/19 @ 10:30-11:30am	Cho-Yi Hsieh† Ho Jun Lee† Cecilie Reingaard Wiuff† Aidan Iachini Broy† Jou-Ting Lai†	VIP Advanced Packaging Glass Substrate for Photonics and RF Applications
Bermel, Peter (mentor)	Poster #1502 presented 11/19 @ 12:00-1:00pm	Yun-Jen Wu† Isabel Alejandra Arias Zambrano† Jenna Marie Marquette† Jack Valenti† Henry Qin†	Aluminum Nitride Interposer for Enhanced Heat Dissipation
Bermel, Peter (mentor)	Poster #1656 presented 11/19 @ 1:30-2:30pm	Kyung Jun Lee† Chun-Kang Huang† Daeun Kim† Tzu-Yun Liu†	Heterogeneously Integrated low earth orbit sensor using polyethylene terephthalate (PET)
Bermel, Peter (mentor)	Research Talk #7087 presented 11/20 @ 4:00pm	Vidisha Singhal† Charles Spencer Bowles†	A Comparative Study of Coherent Ising Machine Variations through Numerical Simulation
Bernal, Ximena (mentor)	Poster #1266 presented 11/19 @ 10:30-11:30am	Anna Judy Lozen†	The role of multimodal cues in the host-seeking behavior of a frog-biting mosquito, <i>Uranotaenia lowii</i>
Bernal, Ximena (mentor)	Poster #1415 presented 11/19 @ 12:00-1:00pm	Yu-Wei Cheng†	Adaptive responses of frog-biting mosquitoes to rising temperatures: A study of survival and selection
Berry, Frederick C (mentor)	Poster #1416 presented 11/19 @ 12:00-1:00pm	Arunima Chowdhury† Marisa Jean Fredrickson† Aryan Kaul† Amber Kuoiva Khauv† Hridhay Monangi† Dean Snyder† Sophia Elizabeth Steele† Taryn Celia Zakrzewski† Matthew Dharma Kurniawan† Mark Alexander Myers‡ Aaron Parihar‡ Kyle Patrick Fox‡ Daitian Zhao‡	Machine Learning In Motion

Name	Presentation	Students	Title
Bhandari, Santosh (mentor)	Poster #1067 presented 11/19 @ 9:00-10:00am	Adina Ioana Margineantu† Mitchell Drew Finley† Michael Vic Paulson† Jishnu Ghosh†	Reconstructing the Higgs Boson from a Four Muon Decay Channel
Bhandari, Santosh (mentor)	Poster #1655 presented 11/19 @ 1:30-2:30pm	Jordan Larson† Vitor Limas Scheint† Justin Harrison Rothenberg† Tyler Mitchell† Aneesh Sai Katkam†	Reanalysis of the Higgs Boson Discovery through the 2 Electron 2 Muon Channel
Bhandari, Santosh (mentor)	Poster #1694 presented 11/19 @ 1:30-2:30pm	Amirali Sharifi Olounabadi† Alaqqmar Adnan Bohori† Sagnik Ballabh† Tiancheng Zhang†	Higgs Signal Classification
Bhandari, Santosh (acknowledgment)	Poster #1699 presented 11/19 @ 1:30-2:30pm	Vincent Cody Stavig† Benjamin David Duttlinger† Julius Coleton Thomas Jodway† Hermes Heng-yu Fu†	Higgs Boson Reconstruction with CMS Data
Bhandari, Santosh (mentor)	Poster #1709 presented 11/19 @ 1:30-2:30pm	Sam Brody Waymire† Dean Patrick Shock† Shawanwit Poomsa-ad† Elijah Scott Forbes†	Unlocking the Universe: Rediscovering the Higgs Boson
Bhattar, Arunkumar (mentor)	Research Talk #7001 presented 11/20 @ 9:20am	Amar AlAzizy† Omar Faramawy Elsayed†	OSS Fuzzing
Bhuiyan, Faharia Hasan (mentor)	Poster #1311 presented 11/19 @ 10:30-11:30am	Parker Joseph Jeffrey†	Thermo-mechanical Reliability of Metal Embedded Chip Assembly (MECA) Package
Bhusal, Anup (acknowledgment)	Poster #1624 presented 11/19 @ 1:30-2:30pm	Aryaman Dewan† Malyka Ram† Priyanshu Datta Roy† Rishabh Kottakota*	Lipidomic Analysis of Crocosphaera subtropica ATCC 51142 Under Diurnal Light-Dark Cycle and Nitrogen Conditions
Bhusal, Anup (acknowledgment)	Research Talk #7069 presented 11/20 @ 2:00pm	Rishabh Kottakota† Aryaman Dewan* Malyka Ram* Priyanshu Datta Roy*	Glycoprotein Analysis of Aged Mice Brain Proteome
Birute, Annabel (mentor)	Poster #1474 presented 11/19 @ 12:00-1:00pm	Sophia Pirela†	Evaluation of Online Nutrition Education Materials for Hispanic/Latino Individuals with Chronic Kidney Disease
Blendell, John E (mentor)	Poster #1314 presented 11/19 @ 10:30-11:30am	Colton Pierce Lennett† Caleb Michael Braziel*	Reliability for High-Temperature Solder Alloys with Microalloying
Borger, John (mentor)	Poster #1303 presented 11/19 @ 10:30-11:30am	Isaac Folorunso†	Investigating Properties of 2n-Regular Graphs
Borger, John (mentor)	Poster #1304 presented 11/19 @ 10:30-11:30am	Bryan Frost†	Optimization for Diverse Team Assignment with a Case Study at West Point
Bosman, Lisa B (mentor)	Poster #1009 presented 11/19 @ 9:00-10:00am	Shrivardhan Atluri†	Enhancing Education through Virtual Reality: A Comparative Study of VR and Traditional Learning Environments
Bosman, Lisa B (mentor)	Poster #1033 presented 11/19 @ 9:00-10:00am	Rhea Dutta†	Evaluating Student Perceptions of Virtual Reality in Place of Traditional Lectures
Bosman, Lisa B (mentor)	Poster #1472 presented 11/19 @ 12:00-1:00pm	Kiersten Mackenzie Penquite†	Understanding Student Engagement and Response with Traditional and Virtual Reality Learning Environments
Bosman, Lisa B (mentor)	Poster #1476 presented 11/19 @ 12:00-1:00pm	Jeeranun Poopanead†	Farming the Future: Combining Solar Energy and Agriculture Through Agrivoltaics
Bosman, Lisa B (mentor)	Poster #1690 presented 11/19 @ 1:30-2:30pm	Aishani Sakalabhaktula†	How does learning with and through VR impact student-pertained motivation to learn?
Bosman, Lisa B (mentor)	Poster #1714 presented 11/19 @ 1:30-2:30pm	Bayan Yunis†	Understanding Perceived Gender Equity in Latin American Engineering Programs
Bosman, Lisa B (mentor)	Research Talk #7079 presented 11/20 @ 3:20pm	Ava Thant Samuel†	A Study on the SoTL Accelerator Effectiveness in Enhancing Faculty Best Practices for New Curriculum Development, Assessment, and Dissemination

Name	Presentation	Students	Title
Brammanayagam venkatesan, Ganesh (acknowledgment)	Poster #1066 presented 11/19 @ 9:00-10:00am	Kayla Elizabeth Manley† Tanvir Kaur† Madison Paige Ward† Nishtha Singh†	Modelling Thermophysical properties of Refrigerant Mixtures
Brammanayagam venkatesan, Ganesh (acknowledgment)	Poster #1108 presented 11/19 @ 9:00-10:00am	Madison Paige Ward†	Measurement of Low-GWP Refrigerant-Lubricant Mixture Properties
Brammanayagam venkatesan, Ganesh (mentor)	Poster #1268 presented 11/19 @ 10:30-11:30am	Kayla Elizabeth Manley† Tanvir Kaur* Nishtha Singh* Madison Paige Ward*	Chemical Analysis of Low-GWP Refrigerants: Modeling and Characterizing Membranes
Bramson, Ali (mentor)	Poster #1047 presented 11/19 @ 9:00-10:00am	Amanda Joan Holmes† Jacob Harlow Ehman‡	Mapping Buried Basalts on the Moon: Eastern Hemisphere
Bramson, Ali (mentor)	Poster #1230 presented 11/19 @ 10:30-11:30am	Jacob Harlow Ehman† Amanda Joan Holmes‡	Mapping Buried Basalts on the Moon: Western Hemisphere
Bramson, Ali (mentor)	Poster #1492 presented 11/19 @ 12:00-1:00pm	Christina Michelle Sowinski†	Mapping and Quantifying Surface Textures across the Medusae Fossae Formation, Mars
Bramson, Ali (mentor)	Research Talk #7034 presented 11/20 @ 11:20am	Donnie Hutchison†	Seasonal Variation in Radar Signatures in Amundsen and Cabeus Craters on the Moon
Brown, Jennifer Lynn (mentor)	Poster #1217 presented 11/19 @ 10:30-11:30am	Hannah Carreon†	The Association Between Self-Concept Clarity, Self-Esteem, and Neuroticism and Differences by Biological Sex
Brown, Jennifer Lynn (mentor)	Poster #1301 presented 11/19 @ 10:30-11:30am	Yao Yao† Ramsey David Frederick Miller†	How do LLM Responses Differ When Asked About Medication Interactions with Alcohol?
Brown, Jennifer Lynn (mentor)	Poster #1463 presented 11/19 @ 12:00-1:00pm	Grayson Montgomery McCard†	Exploring The Impact of Hallucinogens on Sexual Fluidity: A Comprehensive Literature Review
Brown, Josephine Maria (mentor)	Research Talk #7027 presented 11/20 @ 11:00am	Matthew Thomas Corson†	Further validation of the neuromelanin-forming rats to model Parkinson's Disease and their implication in HAA-induced dopaminergic neurotoxicity
Broyles, Bradley Keith (acknowledgment)	Poster #1608 presented 11/19 @ 1:30-2:30pm	Sarah M Bennett†	A Genomic Analysis of Global House Dust Mite Allergen Diversity
Buchanan, Silas Henry (acknowledgment)	Poster #1279 presented 11/19 @ 10:30-11:30am	Brooke Allison Pilkey† Shreya Joshy‡	Understanding the role of bacterial exopolysaccharides as a virulence factor in the Ralstonia-tomato pathosystem
Bushinski, Alexa Kristina (mentor)	Poster #1678 presented 11/19 @ 1:30-2:30pm	Mohammad Pehlari† Carly Grace Booth* Vineeth Surya Narra* Grace Maria Moorman* Lucy Pauline Murphy* Jackson Tyler Wrubel* Mary Aileen Jann*	Dissociating the Influence of Music and Video Game Experience on Visual Attention
Bushinski, Alexa Kristina (acknowledgment)	Poster #1708 presented 11/19 @ 1:30-2:30pm	Andrew Hunter Walatka† Carly Grace Booth* Mary Aileen Jann* Vineeth Surya Narra* Grace Maria Moorman* Lucy Pauline Murphy* Jackson Tyler Wrubel*	The Effect of Different Frequency Binaural Beats on Working Memory
Cahill, Noah Joseph (acknowledgment)	Poster #1016 presented 11/19 @ 9:00-10:00am	Catherine Therese Nicole Bradley† Gianna Marie Arnone‡	Additive Manufacturing of Tailored Metal/Fluoropolymer Reactive Cases for Enhanced Blast
Cai, Chao (mentor)	Poster #1422 presented 11/19 @ 12:00-1:00pm	Dhruv Vishal Dhawan†	Dedupr: Streamlining Citation Deduplication for Systematic Reviews
Cai, Jun (mentor)	Poster #1313 presented 11/19 @ 10:30-11:30am	Ho Jun Lee† Geetika Chitturi†	Fabrication Process Flow Development for 3D Monolithic Integration of 2D Monolayer FETs
Cakmak, Mukerrem (mentor)	Poster #1656 presented 11/19 @ 1:30-2:30pm	Kyung Jun Lee† Chun-Kang Huang† Daeun Kim† Tzu-Yun Liu†	Heterogeneously Integrated low earth orbit sensor using polyethylene terephthalate (PET)

Name	Presentation	Students	Title
Cannon, Jason R (mentor)	Poster #1482 presented 11/19 @ 12:00-1:00pm	Sofia Schumann† Dia Dipen Jhaveri‡	Comparative Neurobehavioral Effects of Chlorpyrifos Exposure in Pon-1 (-/-) and Wildtype Rat Models
Cannon, Jason R (mentor)	Research Talk #7027 presented 11/20 @ 11:00am	Matthew Thomas Corson†	Further validation of the neuromelanin-forming rats to model Parkinson's Disease and their implication in HAA-induced dopaminergic neurotoxicity
Cantu Jungles, Thaisa M (mentor)	Poster #1283 presented 11/19 @ 10:30-11:30am	Miranda Ramos Campost†	Prebiotic Fibers as an Approach to Alleviating IBS-C Symptoms
Carkoglu, Can (acknowledgment)	Poster #1664 presented 11/19 @ 1:30-2:30pm	Maggie Brinn Miller† Divya Tarika Durai†	Does the gender of a child influence a parent's use of management language?
Carpenter, Robin (mentor)	Poster #1447 presented 11/19 @ 12:00-1:00pm	Azain Khalid† Jack Harrison Reynolds† Kushal Venkata Peddakotla† Aiden M Hudson† Bailey Marie Jones†	Optimizing Quantum Annealing Parameters for Enhanced Performance in Track Clustering Algorithms: A Case Study with CMS Event Data
Carpenter, Robin (mentor)	Virtual #9003 presented 11/19-11/26 virtually	Aritro Chatterjee† Evan Chareunsouk Sengsanith† Lauren M Burch† Camden Michael French† Lucas Michael Rulo† Yana Manishkumar Shah† Likith Reddy Singam†	Optimizing QUBO Creation for Enhanced Clustering Efficiency Using the Anti-kt Algorithm
Carrero-Colon, Militza (mentor)	Poster #1284 presented 11/19 @ 10:30-11:30am	Alexander Ramsey† Rachel Elizabeth Michaelist†	A High-Linolenic Soybean Mutant
Cavanaugh, Patrick James (mentor)	Poster #1064 presented 11/19 @ 9:00-10:00am	Santino Basilio Macaggi†	Heart Rate Textile Sensing Project
Ccorahua santo, Robert Jose (mentor)	Poster #1697 presented 11/19 @ 1:30-2:30pm	Brody Everett Snyder† Elizabeth Reeves Cagle† Yi Li† Padmaja Sachin Khairnar† Pranav Perumal† Kevin Nathan Qu†	Cardiovascular Digital Twins: Real-Time Cardiovascular Monitoring and Prediction through Skin-Integrated Triboelectric Sensors
Chagas Boavida, Leonor Maria de Fatima (mentor)	Poster #1236 presented 11/19 @ 10:30-11:30am	Alaina Rose Gartner†	Investigating the Function of Cellulose Synthase Genes in Double Fertilization
Chagas Boavida, Leonor Maria de Fatima (mentor)	Poster #1606 presented 11/19 @ 1:30-2:30pm	Ava Grace Barnes†	Building Barriers: Natural Variation Contributes to Reproductive Isolation in Arabidopsis thaliana
Chang, Leifu (acknowledgment)	Poster #1501 presented 11/19 @ 12:00-1:00pm	Gwyneth Wong†	Impact of Novel Type V-A Anti-CRISPR on Plasmid Topology & Cas12a Cleavage In-Vitro to Elucidate Mechanism of CRISPR-Cas12a Inhibition
Chang, Younggil (mentor)	Research Talk #7049 presented 11/20 @ 1:20pm	Amikosh Dube† Noah Anthony Wisniewski† Jay Bhavesh Gandhi† William John Greenwood† Jammy Wang† Dhanush Adhitya Gopalakrishnan† Srikar Sastry Lanka‡ Berra Ulku Kalci‡ Richard Hastings Hambleton‡	SWARMS: Multi-Agent UAV Control Simulation
Chang, Younggil (mentor)	Virtual #9011 presented 11/19-11/26 virtually	William John Greenwood† Noah Anthony Wisniewski‡	SWARMS: Multi-Agent Control Simulation Platform
Chang Alexander, Stewart C (mentor)	Poster #1107 presented 11/19 @ 9:00-10:00am	Michelle Wan†	Increasing Resilience and Flourishing in Asian American Teens: The Cultural Identity Audio Biography (CIAB) Study
Chang Alexander, Stewart C (mentor)	Poster #1412 presented 11/19 @ 12:00-1:00pm	Gael Calderon Sermenon† Reese Caroline Pinkley‡	Cultural-Identity Audio Biography and their affects on Asian American teenager (General Health, Loneliness, and Sleep)

Name	Presentation	Students	Title
Chang Alexander, Stewart C (mentor)	Poster #1478 presented 11/19 @ 12:00-1:00pm	Ana Elena Pasion Rojas†	Measuring the Effects of Cultural-Identity Audio Biography on Depression, Loneliness, and Anxiety
Chappell, Jacob (mentor)	Poster #1090 presented 11/19 @ 9:00-10:00am	Devin Singh† Vidisha Singhal† Michael Jeffery Dick† Luca Renato Simoni† Andrew Michael Lykken†	Designing a Chiplet Communication Protocol for Post-Tapeout Heterogeneous Integration
Chapple, Clint C S (mentor)	Poster #1461 presented 11/19 @ 12:00-1:00pm	Eleanore Margaret Malinowski†	Changes in development and metabolism in an inducible lignin-modified Arabidopsis mutant
Chaterji, Somali (mentor)	Poster #1264 presented 11/19 @ 10:30-11:30am	Eliana Rose Lemberis† Nadia Helen Whalen†	Research and Categorization of the Arthrobacter Phage Limberopolus
Chaterji, Somali (mentor)	Poster #1280 presented 11/19 @ 10:30-11:30am	Katherine Alfreda Poirier† Lauren Elizabeth Bhat† Lauren Marie Schinker‡	Isolation of novel bacteriophage Pete Jr using host Arthrobacter globiformis
Chavas, Daniel R (mentor)	Research Talk #7004 presented 11/20 @ 9:20am	Tanya Sophia Masnyk†	Examining tropical cyclone-induced compound hazards to inform effective adaptation and mitigation policies.
Chavez, Keegan Franics (mentor)	Poster #1477 presented 11/19 @ 12:00-1:00pm	Sudarmadhi Rabindran†	Simulating Laser-Based CubeSat Communication: The IRIS-Comm Mission
Chavez Galaviz, Jalil Francisco Francisco (mentor)	Poster #1429 presented 11/19 @ 12:00-1:00pm	Raul Hector Fuentes Hernandez† Ivan Gregorio Vega Campast†	Development of Modular Robotic Platform for Ocean Exploration Through Composites Additive Manufacturing
Chen, Boyuan (mentor)	Virtual #9002 presented 11/19-11/26 virtually	Enrique Camacho† Haruna Kawai† Muhammad Ameer Hamza† Andrew Lee Schlabach‡ Geetika Chitturi‡ Akshath Raghav Ravikiran‡	Design and Implementation of a Standard Cell Library Using Open-Source Tools
Chen, Haoyu (mentor)	Poster #1022 presented 11/19 @ 9:00-10:00am	Shaan Jitesh Chanchani† Aryan Amol Khanolkart† Claire Seol Kim† Joshua C Mansky† Medhashree Parhy† Armaan Arshad Sayyad† Parth Thakre†	Studying Keypoint Estimation on In-The-Wild Antelope Data
Chen, Luying (mentor)	Poster #1671 presented 11/19 @ 1:30-2:30pm	Rio Ohtake†	Crystallization of Complex between Nucleolin Protein and MYC Promoter G-quadruplex DNA
Chen, Yihao (mentor)	Poster #1105 presented 11/19 @ 9:00-10:00am	Natalia Vujic†	Exploring Mechanisms of Lipid Droplet Accumulation in Microglia in Alzheimer
Chen, Zhihong (mentor)	Poster #1048 presented 11/19 @ 9:00-10:00am	Jacob Charles Humphrey† Dilay Ayyun† Huan Wen Mao† Rakhmatillokhon Avazkhon u Abdubaev† Hsun-Ti Chiang† Charlita Sinmak† Hao Tian Pang† Ryan Prado Bailey†	Metal-Insulator-Metal Capacitor SPC Project
Chester, Julia (mentor)	Poster #1711 presented 11/19 @ 1:30-2:30pm	Caitlin Alexandra Williamst†	Sex Differences in Social Isolation Effects on Compulsive Related Behavior in crossed High Alcohol Preferring Mice

Name	Presentation	Students	Title
Chetput Venkataraghavan, Sooraj (mentor)	Poster #1223 presented 11/19 @ 10:30-11:30am	Daniel Choi† Hassan Al-alawi† Hunter A Mccollough† Abhiram Saridena† Viet Khoi Pham Khac† Akhilesh Prasad† Abhijay Achukola† Kshitij Miraj Shah† Phone Myat Paing† Jerry Ronald Chent† Justin Yasuumi† Charles Spencer Bowles†	Integrating SIMT and Scalar Cores to Manage Control Flow Divergence
Chetput Venkataraghavan, Sooraj (mentor)	Poster #1712 presented 11/19 @ 1:30-2:30pm	William Wong† varun Vaidyanathan† Yue Yin†	Accelerated Matrix Processor - Memory Subsystem
Chhetri, Bijay (mentor)	Poster #1308 presented 11/19 @ 10:30-11:30am	Ethan Christian Christie†	UV-Vis-NIR Spectroscopy to measure Degradation in Dielectric Fluids and Thin-Film Semiconductors
Chhetri, Bijay (mentor)	Poster #1317 presented 11/19 @ 10:30-11:30am	Mark Joseph Tereck†	Degradation Kinetics of Thermal Interface Materials in Liquid Immersion Cooling Systems
Chmielewski, Jean A (mentor)	Poster #1614 presented 11/19 @ 1:30-2:30pm	Wyatt Tristan Carter†	The Assembly of Modified Coiled-Coil Peptides into Nanotubes with Encapsulated Cargo
Choi, Sung Jun (mentor)	Research Talk #7000 presented 11/20 @ 9:00am	Hanhyun Kwak†	Applicability of Additively Manufactured Fiber-Reinforced Thermoplastic Composite Mold for Thermoplastic Composite Thermoforming Process
Choi, Sung Jun (mentor)	Research Talk #7043 presented 11/20 @ 12:20pm	Sucheol Woo† Min Yong Chun*	Investigation of Optimal Machining Parameters for Fiber-Reinforced Thermoplastic Composite Tooling
Chopra, Gaurav (mentor)	Poster #1105 presented 11/19 @ 9:00-10:00am	Natalia Vujic†	Exploring Mechanisms of Lipid Droplet Accumulation in Microglia in Alzheimer
Christie, Mark R (mentor)	Poster #1458 presented 11/19 @ 12:00-1:00pm	Alberto Lopez Martinez Rojas† Anna Alysse Kavanaugh†	Evolutionary and demographic rescue of <i>Daphnia pulex</i>
Christie, Niamh (mentor)	Poster #1094 presented 11/19 @ 9:00-10:00am	Rebekah Marie Spieth† Ashlyn Nichole Ann Denny†	Sexual Intimate Partner Violence Victimization and Perpetration Among Couples: Examining the Moderating Effect of Trait Anger
Clapp, Anna R (mentor)	Poster #1042 presented 11/19 @ 9:00-10:00am	Lillian Grace Gogel†	Identifying the Presence of Arylsulfatase A in Gut-Associated Bacteria: Implications for Sex Hormone Homeostasis
Clase, Kari L (mentor)	Poster #1097 presented 11/19 @ 9:00-10:00am	Austin Robert Tanabe† Daniel Russell Cline† Collin Jayson Kao*	Isolation and Characterization of Bacteriophage Goblin19: Expanding the Phage Database Targeting <i>Arthrobacter globiformis</i>
Clase, Kari L (mentor)	Poster #1203 presented 11/19 @ 10:30-11:30am	Tina Atmani† Lana Malek† Xiuyu Shi†	Isolation, purification, and characterization of Bacteriophage Tiziri from <i>Arthrobacter globiformis</i>
Clase, Kari L (mentor)	Poster #1206 presented 11/19 @ 10:30-11:30am	Alexis Lucille Ador Bernal† Manya Devang Kadiwala†	Isolation, Extraction, and Characterization of the Novel Actinobacteriophage, Skitty, using the host <i>Arthrobacter Globiformis</i> for Potential Antimicrobial Applications
Clase, Kari L (mentor)	Poster #1278 presented 11/19 @ 10:30-11:30am	Mia Cynthia Pfeiffer† Anne Flynn Campbell† Collin Jayson Kao†	Isolation and Characterization of Halloween Using <i>A. Globiformis</i> B-2979
Clase, Kari L (mentor)	Poster #1280 presented 11/19 @ 10:30-11:30am	Katherine Alfreda Poirier† Lauren Elizabeth Bhat† Lauren Marie Schinker‡	Isolation of novel bacteriophage Pete Jr using host <i>Arthrobacter globiformis</i>
Clase, Kari L (mentor)	Poster #1296 presented 11/19 @ 10:30-11:30am	Sara Thomason† Zhiyuan Chen†	Discovery and characterization of <i>Arthrobacter</i> phage FrancisForever
Clase, Kari L (mentor)	Poster #1631 presented 11/19 @ 1:30-2:30pm	Natalia Brynn Gaffney† Leilani Grace Agngarayngay† Alexis Lucille Ador Bernal‡	Isolation of Novel Bacteriophage Natlani from <i>Arthrobacter Globiformis</i>

Students' Role Notations: †Presenting Author, ‡Contributing Author, *Acknowledgment

Name	Presentation	Students	Title
Clase, Kari L (mentor)	Poster #1650 presented 11/19 @ 1:30-2:30pm	Sreesha Vedavalli Kidambit† Jamie Youngjin Cho† Jason England Thiagarajan†	WileECoyote Bacteriophage Isolation and DNA Extraction
Clifford, Sydney Joann (acknowledgment)	Poster #1647 presented 11/19 @ 1:30-2:30pm	Emma Frances Kay† Ella Rose Deanne Chianis‡	Utilizing an Inducible System to Determine the Role of PP2A-B56a Activation in PDAC
Clifford, Sydney Joann (acknowledgment)	Research Talk #7045 presented 11/20 @ 12:00pm	Ella Rose Deanne Chianis†	Differential responses to PP2A activation are influenced by AREG signaling
Cloft, Sara Elizabeth (mentor)	Poster #1485 presented 11/19 @ 12:00-1:00pm	Dylan Wade Seets†	Reference Point Indentation Methodology with Chicken Tibiae
Cofer, Anthony G (mentor)	Poster #1014 presented 11/19 @ 9:00-10:00am	Cole Emerson Blocher† Elian David Coyotl Garcia† Chanwoo Lim† Cassius Samuel Sampson† Ria Sinha†	FEMTA Suborbital Environment Testing
Cofer, Anthony G (mentor)	Poster #1633 presented 11/19 @ 1:30-2:30pm	Mahineer Ghosh† Varun Rajesh† Makeda Teshome Duey† Ansh Alpesh Kothari†	Avionics Software Development for the FEMTA Suborbital Flight Experiment
Collard, Diane (mentor)	Poster #1016 presented 11/19 @ 9:00-10:00am	Catherine Therese Nicole Bradley† Gianna Marie Arnone‡	Additive Manufacturing of Tailored Metal/Fluoropolymer Reactive Cases for Enhanced Blast
Cook, Ryan James (mentor)	Virtual #9007 presented 11/19-11/26 virtually	Ryan James Cook†	AI making AI
Cornell, Jillian (mentor)	Poster #1078 presented 11/19 @ 9:00-10:00am	Allison Renee Peterson† Gwyneth Wong* Emelia Koester*	Impact of Structured Revision Intervention During the Peer Review Process on Scientific Writing Self-Efficacy in Undergraduate Biology Students
Costa Alves Souza, Olga (mentor)	Poster #1228 presented 11/19 @ 10:30-11:30am	Bianca de Paula Macedo†	Computational planning and experimental implementation of enzyme-catalyzed pathways for sustainable synthesis of target molecules
Couetil, Laurent L (acknowledgment)	Research Talk #7061 presented 11/20 @ 2:20pm	Christine Elizabeth Mayo† Adalene Noel Stangeland† Meggie Faye Khantsis† Megan Leanne Painter‡ Payton Elizabeth Gault‡	Modeling The Racehorse Airway
Cox, Joshua Michael (mentor)	Poster #1487 presented 11/19 @ 12:00-1:00pm	Samantha Marcelle Sima†	Evaporator Test Section to Accurately Characterize Zeotropic Working Fluids
Cox, Joshua Michael (mentor)	Poster #1710 presented 11/19 @ 1:30-2:30pm	Robert Thomas Welp†	Research on Behavior of Zeotropic Refrigerant Mixtures
Cronin, Austin Dennis (mentor)	Poster #1698 presented 11/19 @ 1:30-2:30pm	Lautaro Franco Soler†	Tactile discrimination behavior paradigm to dissect circuit motif in somatosensory cortex
Cross, Tzu-Wen (mentor)	Poster #1042 presented 11/19 @ 9:00-10:00am	Lillian Grace Gogel†	Identifying the Presence of Arylsulfatase A in Gut-Associated Bacteria: Implications for Sex Hormone Homeostasis
Currim, Fatema Mustafa (mentor)	Poster #1482 presented 11/19 @ 12:00-1:00pm	Sofia Schumann† Dia Dipen Jhaveri‡	Comparative Neurobehavioral Effects of Chlorpyrifos Exposure in Pon-1 (-/-) and Wildtype Rat Models
Currim, Fatema Mustafa (mentor)	Research Talk #7027 presented 11/20 @ 11:00am	Matthew Thomas Corson†	Further validation of the neuromelanin-forming rats to model Parkinson's Disease and their implication in HAA-induced dopaminergic neurotoxicity
Dahlberg, Peter (mentor)	Research Talk #7046 presented 11/20 @ 12:20pm	Sarah A Alvarez†	Screening Photoactivatable Proteins at Cryogenic Temperatures
Das, Soumyajit (mentor)	Poster #1274 presented 11/19 @ 10:30-11:30am	Khanh Ha Nguyen†	Engineering of K562 Feeder Cells for NK Cell Expansion
Das, Subham (acknowledgment)	Poster #1003 presented 11/19 @ 9:00-10:00am	Niklas Eric Anderson†	Micro-scale Heat Transfer Modeling for a Sharp Silicon Tip on Varying Substrates
Davidson, Josiah L (mentor)	Research Talk #7073 presented 11/20 @ 3:20pm	Shamalaa Sathiasealan†	Automation of LAMP Biomolecular Assays Using the Eppendorf epMotion 5075 Robotic Pipettor

Name	Presentation	Students	Title
Davidson, Josiah L (mentor)	Research Talk #7086 presented 11/20 @ 4:40pm	Arman Kumar†	NucleusPrime: An efficient computational tool for the design of oligonucleotide primers for nucleic acid amplification methods
Davis, James C (mentor)	Poster #1092 presented 11/19 @ 9:00-10:00am	Lawrence Folsom Smith† Hyeonwoo Heo† Joshua Peter LeBlanc† Nathanael Aou† Rohan Chandra Mudugere‡ Kyle John Massie‡	Optimizing Pre-Trained Model Selection for Resource-Constrained Applications
Davis, James C (mentor)	Poster #1421 presented 11/19 @ 12:00-1:00pm	Leo Deng† Chien Chou Ho† Rishi Mantri† Arjun Sandeep Gupte†	Large Language Models for Energy Efficient Code: Emerging Results and Future Directions
Davis, James C (mentor)	Poster #1434 presented 11/19 @ 12:00-1:00pm	Kush Gogia† Christopher Michael Sigmund† Ilhoon Lee†	BoilerGPT: Optimizing Large Language Models for Education
Davis, James C (mentor)	Virtual #9015 presented 11/19-11/26 virtually	Mingyu Kim† Mohamed Sameh Abdeltawab Abdelmouty† Mohamed Alaa Mohamed Ahmed†	The Best of Both Worlds: A Hybrid Approach to Prompt-Level and Token-Level Jailbreaking in PTLMs
Delp, Edward J (mentor)	Poster #1281 presented 11/19 @ 10:30-11:30am	Aakarsh Nagendra Rai† Donald Alexander Weintz† Jianing Wang† Aditya Mallepalli† Preetham Reddy Yerragudi†	Pedestrian Detection: Crash Prevention
Delp, Edward J (mentor)	Poster #1299 presented 11/19 @ 10:30-11:30am	Jeslyn Cheng Yang† Brian Ross Ramos† Angela Qian† Jacob Ray Morales† Ramsey Daniel† Alessandra Rice†	Out Of Focus Image Correction
Delp, Edward J (mentor)	Poster #1448 presented 11/19 @ 12:00-1:00pm	Devansh Khandelwal† Dinh Huy Tuan Nhut† Arnav Daryani† Jeffrey Jingwei Wu†	Chess Position Recognition Application
Delp, Edward J (mentor)	Poster #1457 presented 11/19 @ 12:00-1:00pm	Emily Loiselle† Joseph Huang† Nandini Mukul Pandey† Rahul Sasi Menon† Chaeun Kim†	Resistor Analysis Android Application
Delp, Edward J (mentor)	Poster #1667 presented 11/19 @ 1:30-2:30pm	Piotr Stanislaw Nabrzyski† Keegan Brenner Harrist† Shlok Ashish Sheth† Joonyeoup Kim† William Benjamin Tao†	COVID-19 Effects On Pedestrians
Delp, Edward J (mentor)	Poster #1695 presented 11/19 @ 1:30-2:30pm	Ahmed Wael Shebl† Zeyad Ayman El Afify† Abdelrahman Hamdy Ghania†	3D Food Images Reconstruction From 2D Images.
Delp, Edward J (mentor)	Research Talk #7026 presented 11/20 @ 11:40am	Minchae Yunt† Huy Duc Vu† Vishwadeep Singh† William Emre Ozkan†	Image-based Mobile Phone Applications (APPS)
Delp, Edward J (mentor)	Research Talk #7038 presented 11/20 @ 12:40pm	William Henry Stevens† Gabriel A Torres† Karthik Selvaraj† Leo Ross Benaharon† Surya Teja Sripathi† Arnav Dushyant Choudhry†	Optimized Text Recognition: A Transfer Learning Approach for Detecting and Transcribing Text in Natural Scenes

Name	Presentation	Students	Title
Delp, Edward J (mentor)	Virtual #9022 presented 11/19-11/26 virtually	Dang Kim Minh Nguyen† Donhyung Ko† Nam Hoang Tran† Muhammad Usman Mushahid†	VIP/APP Fruit Detection (Fruit1 Team)
DeMaria, Andrea (mentor)	Research Talk #7068 presented 11/20 @ 2:40pm	Ashton Zachary Allen† Abhinaya Nagalla† Jordan Elizabeth Cooley† Juliana Reese St Denis† Evan Graham Coblentz‡	Designing, Implementing, and Evaluating a Sex Trafficking & Intimate Partner Violence Training Program for Licensed Salon Professionals in Indiana
Deming, Brody Alan (mentor)	Research Talk #7052 presented 11/20 @ 1:20pm	Rineet Ranga† Akila Abeyaratna‡	Evaluation of Ketamine's Prosocial Effects in Scn2a-deficient Mice
Deolia, Akshay (acknowledgment)	Poster #1003 presented 11/19 @ 9:00-10:00am	Niklas Eric Anderson†	Micro-scale Heat Transfer Modeling for a Sharp Silicon Tip on Varying Substrates
DeWoody, Andrew (mentor)	Poster #1046 presented 11/19 @ 9:00-10:00am	Audrey Jean Heckel†	Characterizing contemporary habitat conditions and distribution of the Montezuma Quail (<i>Cyrtonyx montezumae</i>) using ecological niche modeling
Dharanipragada, Archana (mentor)	Poster #1652 presented 11/19 @ 1:30-2:30pm	Erik Kocinare† Thomas Allen Greer†	The Design and Optimization of Delta-Sigma Analog-to-Digital Converters
Dharanipragada, Archana (mentor)	Research Talk #7085 presented 11/20 @ 4:20pm	Abdelrahman Osama Khalid† Kerollos Ehab Matta Yanny† Youssef Nagah Haider† Manuel Ashraf Melad Gad†	2.4 , 5 GHz Dual Band Wi-Fi RF Receiver
Dick, Jeffrey Edward (mentor)	Poster #1026 presented 11/19 @ 9:00-10:00am	Yashvi Choudhary† Sadie A Poirier‡	Impact of Silver Ion Leakage from Electrochemical Sensors on Cell Health: A Triple Negative Breast Cancer Study
Dick, Jeffrey Edward (mentor)	Poster #1045 presented 11/19 @ 9:00-10:00am	Michael Louis Harrigan†	Distinguishing Electrodeposition from Electroprecipitation at the Nanoscale: A Focus on Individual Nanoparticles
Dick, Jeffrey Edward (mentor)	Poster #1216 presented 11/19 @ 10:30-11:30am	Daniel Michael Carrel†	Electroless Through-Space Electrochemiluminescence
Dick, Jeffrey Edward (mentor)	Poster #1255 presented 11/19 @ 10:30-11:30am	Sirish Meher Reddy Kayam†	Towards Robust Electrochemical Aptamer-Based Sensors: Extending Sensor Lifespan Through Nanoparticle Deposition
Dick, Jeffrey Edward (mentor)	Poster #1427 presented 11/19 @ 12:00-1:00pm	Keeley Vonne Farmer†	Investigation, optimization and application of MIP-based PFAS sensing across sample matrices
Dick, Jeffrey Edward (mentor)	Poster #1475 presented 11/19 @ 12:00-1:00pm	Sadie A Poirier† Yashvi Choudhary‡	Silver leakage in Commercially-Available and Pt-Wire Tip Electrodes: An in Vitro Toxicity Study
Dick, Jeffrey Edward (mentor)	Poster #1680 presented 11/19 @ 1:30-2:30pm	Lillian Faith Pierce†	Bubble Nucleation Drives Droplet Coalescence
Dickinson, Danielle (mentor)	Research Talk #7033 presented 11/20 @ 11:00am	Grace Katz†	Mapping Chemical Abundances of the Supernova Remnant Cassiopeia A with the James Webb Space Telescope
Dilworth, Kathryn Frances (mentor)	Poster #1260 presented 11/19 @ 10:30-11:30am	Kylie M Lachapelle† Saheli Minesh Parikh† Aditya Ujwal‡ Simon Paul Mitchell‡ Megan E Power‡ Nithin Krishna Veerasuneni‡	AI Integrated Writing Model (QUIZ) for Higher Education
Ding, Yi (mentor)	Research Talk #7050 presented 11/20 @ 1:40pm	Gavin Michael Fortwendel†	Understanding Environmental Impacts of Large Language Model Serving
Dong, Qi (mentor)	Poster #1267 presented 11/19 @ 10:30-11:30am	Nachiket Magesh†	Electrified Pyrolysis Approach for Lignocellulosic Biomass Upcycling
Doudareva, Natalia (mentor)	Poster #1622 presented 11/19 @ 1:30-2:30pm	Maria Fernanda Delgado Taboada†	Formation and characterization of transgenic lines of SMAX1a and SMAX1b mutants in <i>Petunia hybrida</i>
Duan, Boyu (acknowledgment)	Poster #1511 presented 11/19 @ 12:00-1:00pm	Jonathan Samuel Ryan†	Topology optimization of flow structures for cooling multi-chip modules

Name	Presentation	Students	Title
Duan, Tianle (acknowledgment)	Research Talk #7004 presented 11/20 @ 9:20am	Tanya Sophia Masnyk†	Examining tropical cyclone-induced compound hazards to inform effective adaptation and mitigation policies.
Duarte, Bryan J. (mentor)	Poster #1243 presented 11/19 @ 10:30-11:30am	Anjali Devi Gupta†	Tracking the Demographic Differences Between Traditional Public Schools and Sectors of Charter Schools in Indianapolis
Dube, Amikosh (mentor)	Virtual #9011 presented 11/19-11/26 virtually	William John Greenwood† Noah Anthony Wisniewski‡	SWARMS: Multi-Agent Control Simulation Platform
Dunlop, Steven R (acknowledgment)	Poster #1615 presented 11/19 @ 1:30-2:30pm	Ana Victoria Castro Herrera†	Electric Vehicles for Indiana: Trends and Future Outlook of Current Fleet & Infrastructure
Dunlop, Steven R (mentor)	Research Talk #7056 presented 11/20 @ 1:40pm	Janny Katerin Torres Canast†	Design of a training protocol to assess human error, reaction time and hand-eye coordination in assembly lines.
Dunlop, Steven R (acknowledgment)	Research Talk #7066 presented 11/20 @ 2:00pm	Kely Johanna Monroy Malagot† Luisa Fernanda Victoria Florez†	Commodity Flow Analysis of Indiana: Insights into Supply Chain Dynamics and Economic Development
Durango Cogollo, Marvin Raymundo (acknowledgment)	Research Talk #7055 presented 11/20 @ 1:20pm	Yovani Garcia Munera† Samuel Ricardo Duncan Vides† Felipe Ramirez Franco* Alen Santiago Lizarazo Osorio*	Integration of Mixed Reality and Digital Twins for the safe and efficient operation of fluid power equipment
Dydak, Ulrike (acknowledgment)	Poster #1445 presented 11/19 @ 12:00-1:00pm	Roma Nandan Kamat†	Effects of FMR1 premutation status on neural measures of executive function and cerebellar GABA
Eason, Sarah (mentor)	Poster #1005 presented 11/19 @ 9:00-10:00am	Ana Cristal Andrade Castaneda† Dalena Mary Renee Matthews† Emma Carosone†	How do parent's STEM-related careers relate to their math interactions with their children, and their overall value of math?
Eason, Sarah (mentor)	Poster #1664 presented 11/19 @ 1:30-2:30pm	Maggie Brinn Miller† Divya Tarika Durai†	Does the gender of a child influence a parent's use of management language?
Eckhardt, Christopher I (mentor)	Poster #1094 presented 11/19 @ 9:00-10:00am	Rebekah Marie Spieth† Ashlyn Nichole Ann Denny†	Sexual Intimate Partner Violence Victimization and Perpetration Among Couples: Examining the Moderating Effect of Trait Anger
Eckhardt, Christopher I (mentor)	Poster #1430 presented 11/19 @ 12:00-1:00pm	Anaelle Gackiere†	Correlates of Self-Directed, Interpersonal, and Cultural Violence Among International College Students
Elenbaas, Laura (mentor)	Research Talk #7008 presented 11/20 @ 9:40am	Kendal Nicole Clay†	Children's Attribution of Blame Towards Low-Status Peer Groups
Elkin, Samuel Theodore (mentor)	Poster #1713 presented 11/19 @ 1:30-2:30pm	Jinhoo Yoon† Brandt David Pierce† Arnav Jadhav† Christian Scheckel† Aditya Gandhi† Tylen Sean Fleming† Nicholas James Detwiler‡ Omkar Ghodke‡ Warat Nathan Vijitbenjaronk‡ Keshav Shylesh‡ Tanvi Chukka‡ Truman Stephen Mohr‡	Progress on 3D General-Purpose Computational Quantum Electromagnetics Modeling
Elliott, Christine Harrison (mentor)	Poster #1411 presented 11/19 @ 12:00-1:00pm	Zhixin Cai† Keith Meyers*	Analysis of Cicada appearance through a pre-built TensorFlow model BirdNet
Elliott, Christine Harrison (acknowledgment)	Poster #1489 presented 11/19 @ 12:00-1:00pm	Dhruv Soni†	Audio detection of Cicadas using LEAF
Elliott, Christine Harrison (mentor)	Poster #1663 presented 11/19 @ 1:30-2:30pm	Keith Meyers† Zhixin Cai*	Periodical Cicadas and the Effects of Herbicide Use
Emmert, Brittney Joy (acknowledgment)	Poster #1485 presented 11/19 @ 12:00-1:00pm	Dylan Wade Seets†	Reference Point Indentation Methodology with Chicken Tibiae
Enkh-Amgalan, Soyol (acknowledgment)	Poster #1711 presented 11/19 @ 1:30-2:30pm	Caitlin Alexandra Williams†	Sex Differences in Social Isolation Effects on Compulsive Related Behavior in crossed High Alcohol Preferring Mice
Fafowora, Oluwapamimo J (acknowledgment)	Poster #1682 presented 11/19 @ 1:30-2:30pm	Alana Powell†	Sickle Cell and Family Planning: An Indiana Study Protocol

Students' Role Notations: †Presenting Author, ‡Contributing Author, *Acknowledgment

Name	Presentation	Students	Title
Faivre, Kyle Timothy (mentor)	Poster #1050 presented 11/19 @ 9:00-10:00am	Levi M Johnson†	Toward New Supramolecular Approaches to Select Therapeutic Peptides
Fawley, Jacob Ryan (mentor)	Poster #1704 presented 11/19 @ 1:30-2:30pm	Elysia Marlena Uggen† Joshua Paul Kaluf‡ Shelby Sliger‡	Proximity Labeling to Identify Transient Protein Interactions with ATP-dependent Chromatin Remodeler PICKLE
Ferguson, Robert Edwin (acknowledgment)	Poster #1016 presented 11/19 @ 9:00-10:00am	Catherine Therese Nicole Bradley† Gianna Marie Arnone‡	Additive Manufacturing of Tailored Metal/Fluoropolymer Reactive Cases for Enhanced Blast
Fernandes, Igor Alexandre (mentor)	Research Talk #7031 presented 11/20 @ 11:20am	Julian Andres Guzman Torres†	The pulmonary baroreflex as a neurovascular modulator: A possible therapeutic target for chronic sympathetic overactivity in aging
Figuracion, Mckenzie T. (mentor)	Poster #1700 presented 11/19 @ 1:30-2:30pm	Trina Faith Tagamolila†	Using Eye-Tracking Methods to Understand Emotional Dysregulation in ADHD
Filippelli, Sara Nicole (mentor)	Research Talk #7059 presented 11/20 @ 1:40pm	Indiraa Doraivel†	Investigating the role of PP2A-B56a in the Autophagy pathway in Pancreatic Cancer
Flachs, Andrew T (mentor)	Poster #1436 presented 11/19 @ 12:00-1:00pm	Bek Hamelin†	An Anthropological Case Study of Care in Wea Creek Orchard
Fordyce, Amanda Lynn (acknowledgment)	Poster #1708 presented 11/19 @ 1:30-2:30pm	Andrew Hunter Walatka† Carly Grace Booth* Mary Aileen Jann* Vineeth Surya Narra* Grace Maria Moorman* Lucy Pauline Murphy* Jackson Tyler Wrubel*	The Effect of Different Frequency Binaural Beats on Working Memory
Foti, Daniel J (mentor)	Poster #1445 presented 11/19 @ 12:00-1:00pm	Roma Nandan Kamat†	Effects of FMR1 premutation status on neural measures of executive function and cerebellar GABA
Fraley, Greg (mentor)	Research Talk #7041 presented 11/20 @ 12:40pm	Nina Kay Wilson†	Making a Splash: Using Mass Spectrometry to Measure Dopamine and Serotonin Turnover in Water-Enriched Pekin Duck Brains
Francis, Alexander L (acknowledgment)	Poster #1262 presented 11/19 @ 10:30-11:30am	Gabrielle Elizabeth Layman† Shlok Rajesh Kulkarni† Zachary Traina†	The Effects of hearing loss when navigating in an outside environment
Fraser, Jamie (mentor)	Research Talk #7075 presented 11/20 @ 3:00pm	Natalie Christine Smith†	Placental Phenotype in Leukoencephalopathy with Calcifications and Cysts
Frisbee, Marty D (mentor)	Research Talk #7082 presented 11/20 @ 3:20pm	Diana Lucia Pinto Montes† Destin Javai Gentillon‡	Design of a Bromide Ion-Exchange Column for Application in Low-Bromide Waters
Fritsch, Abigale Louise (acknowledgment)	Poster #1470 presented 11/19 @ 12:00-1:00pm	Caroline Rhea Packee† Emma Swanson† Avery Grace Brubaker† Evan Graham Coblenz‡	Exploring How HPV Vaccine Education Impacts Health Behaviors and Attitude on a College Campus
Gabrielov, Amina (acknowledgment)	Research Talk #7015 presented 11/20 @ 10:00am	Emily Doris Gervais†	Medical Minds, Literary Voices: The Intersection of Healing and Storytelling in Russian Literature
Garcia Bravo, Jose M (mentor)	Poster #1063 presented 11/19 @ 9:00-10:00am	Alen Santiago Lizarazo Osorio† Felipe Ramirez Franco* Yovani Garcia Munera*	Impact of Water Hammer on Reverse Osmosis Systems
Garcia Bravo, Jose M (mentor)	Research Talk #7055 presented 11/20 @ 1:20pm	Yovani Garcia Munera† Samuel Ricardo Duncan Vides† Felipe Ramirez Franco* Alen Santiago Lizarazo Osorio*	Integration of Mixed Reality and Digital Twins for the safe and efficient operation of fluid power equipment
Gardner, Stephanie M (mentor)	Poster #1078 presented 11/19 @ 9:00-10:00am	Allison Renee Peterson† Gwyneth Wong* Emelia Koester*	Impact of Structured Revision Intervention During the Peer Review Process on Scientific Writing Self-Efficacy in Undergraduate Biology Students
Garland, Elisabeth E (acknowledgment)	Poster #1219 presented 11/19 @ 10:30-11:30am	Caroline Grace Chandler† Vincent Simon Knizka‡	Purifying a DAG Biosensor to Quantify PLC Activity at the Membrane
Garrison, James (mentor)	Poster #1601 presented 11/19 @ 1:30-2:30pm	Ishaan Krishna Agrawal† Aaron David Slamovich† Elle S Case† Maxim Nickolas Yamilov†	Earth Remote Sensing with Signals of Opportunity

Name	Presentation	Students	Title
Garrison, Michelle Marian (mentor)	Poster #1089 presented 11/19 @ 9:00-10:00am	Elliott Shi†	Disparities in Elementary School Outcomes and Child Behavioral and Learning Outcomes
Geise, Justin Bernard (acknowledgment)	Poster #1001 presented 11/19 @ 9:00-10:00am	Teagan Ames-Majeski†	Investigating Ferumoxytol Dosage Effects on Tumor Macrophage Polarization and Survival in Glioblastoma
Gentilcore, Clayton C (mentor)	Poster #1210 presented 11/19 @ 10:30-11:30am	Ryan L Bottini† Manila Kunwar‡	Low-Pressure Hydrothermal Processing Methods for Conversion of Acrylonitrile-Butadiene-Styrene to Oils
Gerber, Jeffrey Miles (mentor)	Poster #1294 presented 11/19 @ 10:30-11:30am	Thomas Anthony Slamecka†	Flaring Characteristics of M dwarfs observed by TESS and Kepler
Ghajar-Rahimi, Elnaz (mentor)	Poster #1634 presented 11/19 @ 1:30-2:30pm	Sarah Elizabeth Grev† Samantha Stebbings* Jake Anthony Castro* Nadia Hayes Wheeler*	An in vivo assessment of cardiac biomechanical remodeling during chronic hypertension in murine pregnancy with 4D ultrasound
Ghosh, Shreya (mentor)	Poster #1095 presented 11/19 @ 9:00-10:00am	Patrick Randall Spillman† David Wesley Thoe† Aditya Verma† Richard Ye† Samuel Elijah Nadol†	Autonomous Motorsports Purdue - Electrical Subteam
Ghosh, Shreya (mentor)	Poster #1222 presented 11/19 @ 10:30-11:30am	Yi-Huan Chen† Ching-Hsiang Huang†	A WEIGHTED BRANCH AGGREGATION BASED DEEP LEARNING MODEL FOR TRACK DETECTION IN AUTONOMOUS RACING
Ghosh, Shreya (mentor)	Poster #1241 presented 11/19 @ 10:30-11:30am	Bobby Gu† Alexander Jonathan Collins† Neal Noel Lobo† Pratham Patil† Dean Michael La Point† Jeet Brahmabhatt†	Integrating Autonomous Vehicles into Society: Applications, Legal Challenges, and Broader Impacts Across Key Sectors
Ghosh, Shreya (mentor)	Poster #1419 presented 11/19 @ 12:00-1:00pm	Felipe da Paixao†	Discussing the ethical implications of autonomous vehicles
Ghosh, Shreya (mentor)	Poster #1692 presented 11/19 @ 1:30-2:30pm	Sarah Sawhney† Ian Tseng† Chien Chou Ho† Jiali Shi† Taehoon Kim† Yi-Huan Chen† Ching-Hsiang Huang‡	Machine Learning for Depth Estimation for Autonomous Driving Vehicles
Ghosh, Shreya (mentor)	Research Talk #7012 presented 11/20 @ 10:00am	Manav Nikhil Gagvani† Sangeet Mohan† Jaron David Hunt†	A Survey of Autonomous Driving Algorithms for Scaled Racing
Ghosh, Shreya (mentor)	Virtual #9023 presented 11/19-11/26 virtually	Seungkeun Oh† Shishir Tumma†	Autonomous Rescue Drone
Giannios, Dimitrios (mentor)	Poster #1242 presented 11/19 @ 10:30-11:30am	Sofia Guevara Montoya†	Jet break in gamma-ray bursts
Gin, Aaron J (mentor)	Poster #1097 presented 11/19 @ 9:00-10:00am	Austin Robert Tanabe† Daniel Russell Cline† Collin Jayson Kao*	Isolation and Characterization of Bacteriophage Goblin19: Expanding the Phage Database Targeting <i>Arthrobacter globiformis</i>
Gin, Aaron J (acknowledgment)	Poster #1203 presented 11/19 @ 10:30-11:30am	Tina Atmani† Lana Malek† Xiuyu Shi†	Isolation, purification, and characterization of Bacteriophage Tiziri from <i>Arthrobacter globiformis</i>
Gin, Aaron J (acknowledgment)	Poster #1206 presented 11/19 @ 10:30-11:30am	Alexis Lucille Ador Bernal† Manya Devang Kadiwala†	Isolation, Extraction, and Characterization of the Novel Actinobacteriophage, Skitty, using the host <i>Arthrobacter Globiformis</i> for Potential Antimicrobial Applications
Gin, Aaron J (acknowledgment)	Poster #1278 presented 11/19 @ 10:30-11:30am	Mia Cynthia Pfeiffer† Anne Flynn Campbell† Collin Jayson Kao‡	Isolation and Characterization of Halloween Using <i>A. Globiformis</i> B-2979
Gin, Aaron J (acknowledgment)	Poster #1280 presented 11/19 @ 10:30-11:30am	Katherine Alfreda Poirier† Lauren Elizabeth Bhat† Lauren Marie Schinker‡	Isolation of novel bacteriophage PeteJr using host <i>Arthrobacter globiformis</i>
Gin, Aaron J (acknowledgment)	Poster #1296 presented 11/19 @ 10:30-11:30am	Sara Thomason† Zhiyuan Chen†	Discovery and characterization of <i>Arthrobacter</i> phage FrancisForever

Students' Role Notations: †Presenting Author, ‡Contributing Author, *Acknowledgment

Name	Presentation	Students	Title
Gin, Aaron J (acknowledgment)	Poster #1631 presented 11/19 @ 1:30-2:30pm	Natalia Brynn Gaffney† Leilani Grace Agngarayngay† Alexis Lucille Ador Bernal‡	Isolation of Novel Bacteriophage Natlani from Arthrobacter Globiformis
Gin, Aaron J (mentor)	Poster #1686 presented 11/19 @ 1:30-2:30pm	Emily Joy Reeves† Ally Morgan Wigand†	Identifying Novel Phages Infecting Arthrobacter globiformis
Gkritza, Nadia (mentor)	Poster #1052 presented 11/19 @ 9:00-10:00am	Christina Joslin†	How Does Experience Affect Perceptions of Electric Vehicle Characteristics? A Users vs. Non-Users Comparison
Goergen, Craig (mentor)	Poster #1054 presented 11/19 @ 9:00-10:00am	Daniel Ethan Kelley†	Characterization of a Nonsurgical BAPN Murine Model for Thoracic Aortic Aneurysms
Goergen, Craig (mentor)	Poster #1234 presented 11/19 @ 10:30-11:30am	Ethan Phillip Foster†	Photocurable Sealant Use in a Lung Puncture Mouse Model
Goergen, Craig (mentor)	Poster #1634 presented 11/19 @ 1:30-2:30pm	Sarah Elizabeth Grev† Samantha Stebbings* Jake Anthony Castro* Nadia Hayes Wheeler*	An in vivo assessment of cardiac biomechanical remodeling during chronic hypertension in murine pregnancy with 4D ultrasound
Gomez, Luis A (mentor)	Poster #1301 presented 11/19 @ 10:30-11:30am	Yao Yao† Ramsey David Frederick Miller†	How do LLM Responses Differ When Asked About Medication Interactions with Alcohol?
Gomez, Luis A (mentor)	Poster #1463 presented 11/19 @ 12:00-1:00pm	Grayson Montgomery McCard†	Exploring The Impact of Hallucinogens on Sexual Fluidity: A Comprehensive Literature Review
Gomez Gutierrez, Sandra Victoria (acknowledgment)	Poster #1086 presented 11/19 @ 9:00-10:00am	Ruby Catalina Rodriguez Diaz†	Functional characterization of candidate effector proteins of the fungal pathogen Zymoseptoria tritici
Goodwin, Stephen B (mentor)	Poster #1086 presented 11/19 @ 9:00-10:00am	Ruby Catalina Rodriguez Diaz†	Functional characterization of candidate effector proteins of the fungal pathogen Zymoseptoria tritici
Goppert, James Michael (mentor)	Poster #1259 presented 11/19 @ 10:30-11:30am	Alexander Kmetko† Jonah P Lovitz† Joseph John Forster† Chase Nicholas Hamdan†	CogniPilot
Goppert, James Michael (mentor)	Poster #1625 presented 11/19 @ 1:30-2:30pm	Harman Kaur Dhillon† Madison Taylor Beaudry† Collin Hoffman† Rohan Suraj Desai† Aditya Sarwaikar‡ Alexander David Perry‡ Aryana Isabelle Deshpande‡ Christopher David Butler‡ Tryston Frederick Espiritu‡ Junhee Lim‡ Weijing Sebastian Chen‡ Logan Paul Hussein‡	The Emergency Access and Ground-Link Explorer (EAGLE)
Goppert, James Michael (mentor)	Poster #1696 presented 11/19 @ 1:30-2:30pm	John Henry Slatert† Braden Thomas Callaway* Natalia Zagata* Blake Edward Neely* Alexander Paul Kaufmann*	Autopilot Integration for Lightweight Unmanned Fixed Wing Aircraft in PURT Testing Facility
Goppert, James Michael (mentor)	Research Talk #7036 presented 11/20 @ 12:00pm	Victor Ionut Ene† Danica Brynn Joyner† Nathan James Arnold† Harshavi P Birla† Natasha Rajendrarao Gundapaneni† Ty Dean Frederick† Shelby Grace Britton† Parth Kailash Dubal† Bhaskar S Patke†	Biomedical Drone for Narcan Delivery
Gorman, Thomas Eagan (acknowledgment)	Poster #1218 presented 11/19 @ 10:30-11:30am	Samuel Castro Martinez†	Foraging Behavior and Social Influence in Virtual Environments: A Study of Electric Vehicle Users and Charging Stations

Name	Presentation	Students	Title
Graham, Lyndsey Nicole (mentor)	Poster #1428 presented 11/19 @ 12:00-1:00pm	Evelyn Hanson Frank† Jacoba Marlene Babin†	How Social Support Impacts Rare Disorder Caregiver
Green, Conor James (mentor)	Poster #1065 presented 11/19 @ 9:00-10:00am	Antonios Maniatis† Rongbo Hu† Leo Pearson Malachowski†	SRAM
Green, Conor James (mentor)	Poster #1090 presented 11/19 @ 9:00-10:00am	Devin Singh† Vidisha Singhal† Michael Jeffery Dick† Luca Renato Simoni† Andrew Michael Lykken†	Designing a Chiplet Communication Protocol for Post-Tapeout Heterogeneous Integration
Greene, Grace Emma (mentor)	Poster #1251 presented 11/19 @ 10:30-11:30am	Marielle G Jackson†	Developing a Solid Phase Extraction/High Resolution Mass Spectrometry Method for Biofuel Analysis
Griggs, Aiden Bay (acknowledgment)	Poster #1305 presented 11/19 @ 10:30-11:30am	Owen Hodges† Keiko Yamamoto*	What the Decommissioning of Delafield Pond Teaches Us About the Importance of Stormwater Management Projects Across US Army Installations
Gronkiewicz, Alexander Lee (acknowledgment)	Poster #1015 presented 11/19 @ 9:00-10:00am	Katelyn Emily Bottando† Grace Rentfro*	Addressing Tetrachloroethylene in an Impacted Community: Analysis of Exposure in Martinsville, IN
Grymes, James (mentor)	Poster #1306 presented 11/19 @ 10:30-11:30am	Jacob Hyatt†	Optimized Tactical Routing for Unmanned Ground Vehicles
Guerrero Montalvan, Marcelo Inaki I (acknowledgment)	Poster #1280 presented 11/19 @ 10:30-11:30am	Katherine Alfreda Poirier† Lauren Elizabeth Bhat† Lauren Marie Schinker‡	Isolation of novel bacteriophage PeteJr using host Arthobacter globiformis
Guo, Haohan (mentor)	Poster #1311 presented 11/19 @ 10:30-11:30am	Parker Joseph Jeffrey†	Thermo-mechanical Reliability of Metal Embedded Chip Assembly (MECA) Package
Gupta, Vanshika (mentor)	Poster #1026 presented 11/19 @ 9:00-10:00am	Yashvi Choudhary† Sadie A Poirier‡	Impact of Silver Ion Leakage from Electrochemical Sensors on Cell Health: A Triple Negative Breast Cancer Study
Gupta, Vanshika (mentor)	Poster #1255 presented 11/19 @ 10:30-11:30am	Sirish Meher Reddy Kayam†	Towards Robust Electrochemical Aptamer-Based Sensors: Extending Sensor Lifespan Through Nanoparticle Deposition
Gupta, Vanshika (mentor)	Poster #1475 presented 11/19 @ 12:00-1:00pm	Sadie A Poirier† Yashvi Choudhary‡	Silver leakage in Commercially-Available and Pt-Wire Tip Electrodes: An in Vitro Toxicity Study
Gupta, Vijay (mentor)	Poster #1084 presented 11/19 @ 9:00-10:00am	Felipe Ramirez Franco† Alen Santiago Lizarazo Osorio* Yovani Garcia Munera*	Designing Incentives for Customer Actions: Simulations about Incentivized-UCRL2 Learning Algorithm in Home Heating System
Haddad, Jeffrey M (mentor)	Poster #1262 presented 11/19 @ 10:30-11:30am	Gabrielle Elizabeth Layman† Shlok Rajesh Kulkarni† Zachary Traina†	The Effects of hearing loss when navigating in an outside environment
Hadisurya, Marco (mentor)	Poster #1628 presented 11/19 @ 1:30-2:30pm	Vatsal Sanjeevkumar Dudhaiya† Tingyu Yin†	Streamlining Proteomics Data Analysis: An R Shiny-Based Application with Statistical Step Recommendations for Enhanced Workflow Accuracy
Hagedorn, Isaac P (mentor)	Poster #1285 presented 11/19 @ 10:30-11:30am	Atharva S Rao† Moeyad OmerAbdalla Omer† Avanish Karlapudi† Dogyu Ryu†	AXI
Hagedorn, Isaac P (mentor)	Poster #1612 presented 11/19 @ 1:30-2:30pm	Siddarth Balaji Calidas†	SoC Verification: Verifying design of Digital GPIO Multiplexer
Hagedorn, Isaac P (mentor)	Virtual #9006 presented 11/19-11/26 virtually	Indrayudh Chowdhury† Adam Jacob Keith†	UVM-Based Verification of RISC-V Multicore Design
Hagedorn, Isaac P (mentor)	Virtual #9010 presented 11/19-11/26 virtually	Seth Christian Graber†	Edge Detector Verification (UVM)
Hagedorn, Isaac P (mentor)	Virtual #9026 presented 11/19-11/26 virtually	Robert Viktor Rozhansky†	UVM Verification of an AHB Mux
Hanna, Jason (mentor)	Poster #1102 presented 11/19 @ 9:00-10:00am	Paula Andrea Vargas Carranza†	Role of Endothelial to Mesenchymal Transition (EndMT) in Aggressive Vascular Tumors

Name	Presentation	Students	Title
Hardaway, Kendrick Clay (mentor)	Poster #1623 presented 11/19 @ 1:30-2:30pm	Sarah Z Deniz†	Understanding the Energy Use and Carbon Emissions of Training Autonomous Vehicles
Harold, Roslyn B (acknowledgment)	Poster #1240 presented 11/19 @ 10:30-11:30am	Kaitlyn Nicole Gregerson†	Association of FMR1 repeat size with depression, anxiety, and stress
Harold, Roslyn B (mentor)	Poster #1445 presented 11/19 @ 12:00-1:00pm	Roma Nandan Kamat†	Effects of FMR1 premutation status on neural measures of executive function and cerebellar GABA
Hashemi, Abolfazl (mentor)	Virtual #9018 presented 11/19-11/26 virtually	Jessica Frances Lyng† Rongbo Hu‡	Design and Development of Radar Sensors for Environment Feedback
He, Qixin (mentor)	Poster #1608 presented 11/19 @ 1:30-2:30pm	Sarah M Bennett†	A Genomic Analysis of Global House Dust Mite Allergen Diversity
He, Zijian (mentor)	Poster #1237 presented 11/19 @ 10:30-11:30am	Aaditya Gaur† Zay Linn Htet† Christina Zhang†	Purdue Robomasters Algorithms Team Project
He, Zijian (mentor)	Virtual #9018 presented 11/19-11/26 virtually	Jessica Frances Lyng† Rongbo Hu‡	Design and Development of Radar Sensors for Environment Feedback
Hearn, Chase Taylor (mentor)	Poster #1461 presented 11/19 @ 12:00-1:00pm	Eleanore Margaret Malinowski†	Changes in development and metabolism in an inducible lignin-modified Arabidopsis mutant
Heil, Brittany Nicole (mentor)	Poster #1647 presented 11/19 @ 1:30-2:30pm	Emma Frances Kay† Ella Rose Deanne Chianis‡	Utilizing an Inducible System to Determine the Role of PP2A-B56a Activation in PDAC
Heil, Brittany Nicole (mentor)	Research Talk #7009 presented 11/20 @ 9:00am	Talia Lee Kidder†	Characterizing Genetic Knockdown of CIP2A in Non-Small Cell Lung Cancer Cells
Hein, Timothy Francis (mentor)	Poster #1065 presented 11/19 @ 9:00-10:00am	Antonios Maniatis† Rongbo Hu† Leo Pearson Malachowski†	SRAM
Hein, Timothy Francis (mentor)	Poster #1273 presented 11/19 @ 10:30-11:30am	Thomas Munson† Maxwell Christopher Sprague† Nathan Alexander Kilmer† Alec Chong Peng†	FPGA Area Optimization
Hein, Timothy Francis (mentor)	Poster #1466 presented 11/19 @ 12:00-1:00pm	Rafael Monteiro Martins Pinheiro† Miguel Israel Terant†	Open-Source EDA Tools for ASIC Design: Enabling Undergraduate Tape-Out Opportunities
Hein, Timothy Francis (mentor)	Poster #1616 presented 11/19 @ 1:30-2:30pm	Harnoor Cheema† Jacob Chappell‡	QDILink
Hein, Timothy Francis (mentor)	Poster #1687 presented 11/19 @ 1:30-2:30pm	Alexander Repikov† Robert Yida Zhang† Nathan Nanchuen Yu† Moe Wai Yan Myint† Fatma Mohamed Ahmed Youssef Alagroudy† Yara Ahmed Mohamed Abbas† Khoi Anh Nguyen†	SoCET MITLL Tapeout
Hein, Timothy Francis (mentor)	Poster #1706 presented 11/19 @ 1:30-2:30pm	Pranav Wadhwa† Kevin Luke Philips†	Accelerated Matrix Processor - Software/ISA
Hein, Timothy Francis (mentor)	Virtual #9014 presented 11/19-11/26 virtually	Dhruv Roopchand Khatri† Zafeer Aaryan Reza† Yan-Jun Lin† Wei-Yun Liu†	SkyWater Design Flow
Helie, Sebastien (mentor)	Poster #1202 presented 11/19 @ 10:30-11:30am	Maria Paula Armenta†	Emotional Dynamics of Loss Aversion: The Impact of Frustration
Henderson, Gregory C (mentor)	Research Talk #7007 presented 11/20 @ 9:20am	Yen-Hsi Lai†	Adipose Tissue Morphology in Albumin Knockout Mice

Name	Presentation	Students	Title
Higbee, Steve (mentor)	Poster #1460 presented 11/19 @ 12:00-1:00pm	Elias Malak† Taran Reddy Kamireddy† Nicholas John Albrecht‡ Nadia Bailen Boluda‡ Samarth Bhat‡ Cooper Lee Cotton‡ Lara Nour Courgi‡ Luke Davis‡ Tamara Shakri Houran‡ Pratika Kumar‡ Jakob Eric Mikolajczyk‡ Gema Roselyn Parra‡	Wearable System for Tracking Stroke Rehabilitation Progress
Hill, Megan Leigh (mentor)	Poster #1216 presented 11/19 @ 10:30-11:30am	Daniel Michael Carrel†	Electroless Through-Space Electrochemiluminescence
Hill, Megan Leigh (mentor)	Poster #1680 presented 11/19 @ 1:30-2:30pm	Lillian Faith Pierce†	Bubble Nucleation Drives Droplet Coalescence
Himes, Taylor Mary (acknowledgment)	Poster #1495 presented 11/19 @ 12:00-1:00pm	Amrit Subramanian† Ariana Raquel Morton* Luke Harrison Huff* Nathan Joel Benjamin* Eliana Raina Romero* Mary Clare Schofield* Ethan Thomas Stark*	Information modality and willingness to engage in prosocial behavior
Holder, Kal (mentor)	Research Talk #7040 presented 11/20 @ 12:20pm	Hayley Kristen Wong Liong† Athanasios Gregory Flessas†	Ensuring Consumer Safety by Analyzing the Impact of Fluctuating Temperatures on STEC
Holder, Kal (mentor)	Research Talk #7051 presented 11/20 @ 1:00pm	Carson William Rockwell† Bailey Jean Williams†	The Consequence of Temperature Variance During Transportation on Salmonella: Impact on Food Safety
Honeycutt, Regan Michelle (mentor)	Poster #1288 presented 11/19 @ 10:30-11:30am	Collin Thomas Reagin†	Utilizing Participatory Action Research to Preserve Indigenous Languages, Cultures, and Knowledge
Hong, Johnathan (mentor)	Poster #1503 presented 11/19 @ 12:00-1:00pm	Yilin Xu† Eshan Mathur† Atharva Umesh Bhide† Armaan Kanchan†	SoCET QSPI Validation Process
Hong, Johnathan (mentor)	Virtual #9024 presented 11/19-11/26 virtually	Dev M Patel† Tri Than† Medha Mahesh Shinde† Benjamin Aaron McDowell†	Inter-Integrated Circuit bus for System on Chip AFTx07
Hood, Kaitlyn T. (mentor)	Poster #1648 presented 11/19 @ 1:30-2:30pm	Alexander G Kelley†	Modeling Deformable Cells Using Spherical Harmonics
Hortua alvarado, Clara Elisa (mentor)	Poster #1702 presented 11/19 @ 1:30-2:30pm	Evans Tang† Olivia Anne Guptill† Allyson Faith Miller†	Building Conflict Resolution Skills among First Year STEM Undergraduates
Hoverman, Jason T (mentor)	Research Talk #7065 presented 11/20 @ 2:40pm	Jack Douglas Morehouse†	Disparities in Per- and Poly Fluoroalkyl Substances (PFAS) Tolerance and Life History Traits in Simocephalus serrulatus Populations.
Howard, Madison Mckensi (mentor)	Poster #1238 presented 11/19 @ 10:30-11:30am	Angelica Sofia Gonzalez-Ng† Maria Macias‡ Tatiana Zuluaga Vargas*	Investigating Breast Cancer Cell Response in Relation with Different Lung Respiration Rates Using a High-Throughput Magnetic Actuation Platform
Hoyos Moreno, Andres Felipe (mentor)	Poster #1252 presented 11/19 @ 10:30-11:30am	Ritwik Suresh Jayaraman† Aman Katyal† Azain Khalid† Chiraag Shashi Kumar†	Raceline Optimization for Indy Cars Using Quantum-annealing
Hoyos Moreno, Andres Felipe (mentor)	Poster #1257 presented 11/19 @ 10:30-11:30am	Junyoung Kim† Christian A Choi†	Racing Line Optimization with Adoptive Grip Estimation
Hoyos Moreno, Andres Felipe (mentor)	Poster #1432 presented 11/19 @ 12:00-1:00pm	Justin Zijie Gan† Sahithi Gokavarapu† Pranati Patchigolla†	Camera Lidar Fusion Pipeline

Name	Presentation	Students	Title
Hoyos Moreno, Andres Felipe (mentor)	Research Talk #7002 presented 11/20 @ 9:40am	Myron Milad Tadros† Ahmed Sayed Omar Omart† Omar Ahmed Roshdi Badawi Abousheishaa† Bola Yosry Zaky Warsyt† Abdelrahman Ahmed Safwat Eissa†	Real-Time Agent Motion Prediction in Multi-Agent Autonomous Racing Using Deep Neural Networks
Hua, Inez (mentor)	Research Talk #7050 presented 11/20 @ 1:40pm	Gavin Michael Fortwendel†	Understanding Environmental Impacts of Large Language Model Serving
Huang, Feichi (mentor)	Poster #1099 presented 11/19 @ 9:00-10:00am	Benjamin Anderson Tofil† Gangsan Lee† Brian Martin Dodd† Neha Saleha† Alexandre Chan Tome† Cheong Eun Kim† Sang Soo Ha†	Statistical Process Control for Photolithography and Metal Deposition
Huang, Feichi (acknowledgment)	Poster #1250 presented 11/19 @ 10:30-11:30am	Cho-Yi Hsieh† Ho Jun Lee† Cecilie Reingaard Wiuff† Aidan Iachini Broy† Jou-Ting Lai†	VIP Advanced Packaging Glass Substrate for Photonics and RF Applications
Huang, Frank (mentor)	Poster #1025 presented 11/19 @ 9:00-10:00am	Chengyu Chiu† Pin-Chen Su† Yoshiki Takeuchi† Qiming Chai†	Methods for securing commercial dies into silicon substrates as heterogenous integration in low earth orbit applications
Huang, Jialong (mentor)	Poster #1512 presented 11/19 @ 12:00-1:00pm	Allison Nobuko Schert†	Micro-Nano-Ordered LSMO-Au VAN Growth for Chemical Sensors
Hubach, Randolph Duane (mentor)	Poster #1214 presented 11/19 @ 10:30-11:30am	Juan Pablo Camacho Arias†	Latent Transition Analysis of Suicide Risk in Sexual Minority Population: The Protective Role of Age
Hudson, Karen A (mentor)	Poster #1284 presented 11/19 @ 10:30-11:30am	alexander Ramsey† Rachel Elizabeth Michaelis†	A High-Linolenic Soybean Mutant
Ingwell, Laura L (mentor)	Virtual #9009 presented 11/19-11/26 virtually	Joan Dominguez Lora†	Aplication of a Surveillance System for Insect Behavior Analysis
Innis, Sarah M (mentor)	Poster #1007 presented 11/19 @ 9:00-10:00am	Megan Grace Ashby† Evan James Campbell* Delaney Alexandra Doncer*	Regulation of Fetal Growth in Swine Via Insulin-Like Growth Factor
Innis, Sarah M (mentor)	Poster #1229 presented 11/19 @ 10:30-11:30am	Delaney Alexandra Doncer†	Effect of Intrauterine Growth Restriction on the Expression of the Solute Carrier 2A Family Across Three Fetal Tissues
Innis, Sarah M (mentor)	Poster #1413 presented 11/19 @ 12:00-1:00pm	Evan James Campbell† Delaney Alexandra Doncer* Megan Grace Ashby*	Investigating the Role of Genes Regulating Cell-Cycle Progression on Intrauterine Growth Restriction
Islam, Md tariqul (acknowledgment)	Poster #1114 presented 11/19 @ 9:00-10:00am	Daniel Felipe Zuniga Hurtado† Camilo Delgado Burbano‡	Integrating Digital Twins and Federated Learning for UGV fleets
Iyer-Pascuzzi, Anjali (mentor)	Poster #1279 presented 11/19 @ 10:30-11:30am	Brooke Allison Pilkey† Shreya Joshy‡	Understanding the role of bacterial exopolysaccharides as a virulence factor in the Ralstonia-tomato pathosystem
Izadian, Afshin (mentor)	Poster #1439 presented 11/19 @ 12:00-1:00pm	Nolan Lee Hardman† Jacob Henry Rikkola† Adrienne Dale Torres Balahadia† Bader Emad Abu-Shanab† Zilan Patel† James M Scanlan† Aaditi Anupam Vaval†	VIP - Organoid On Chip
Jackson, Andrew (mentor)	Poster #1417 presented 11/19 @ 12:00-1:00pm	Amiah Bailey Clevenger†	Integration of Learning by Evaluating (LbE) within the SE Instructional Model in Engineering Design Education
Jacobson, Maxwell Joseph (mentor)	Research Talk #7083 presented 11/20 @ 3:40pm	Muyang Yan†	Neuro-Symbolic Action Anticipation through Spatio-temporal Affordance Reasoning

Name	Presentation	Students	Title
Jaiswal, Aparajita (mentor)	Poster #1600 presented 11/19 @ 1:30-2:30pm	Jessica Josephine Adams† Charis Abigail Armstrong† Camden Jeffrey Love†	Exploring the Interplay Between Teamwork and Intercultural Competence in STEM Education
Jaiswal, Aparajita (mentor)	Poster #1636 presented 11/19 @ 1:30-2:30pm	Laura Evelyn Harriss† Ian McGill† Elizabeth Darlene Gray†	Integrating Perspective-Taking into Undergraduate Curriculum
Jaiswal, Aparajita (mentor)	Poster #1639 presented 11/19 @ 1:30-2:30pm	Julia Hopper† Jack Rearden Ferlazzo† Ashley Jo Schafer† Vidya Reddy Madana‡	Cultivating Mindfulness in Engineering Study Abroad
Jaiswal, Aparajita (mentor)	Poster #1669 presented 11/19 @ 1:30-2:30pm	Jack Robert Nelson† Katherine Josephine Cheh† Akshat Garg†	Exploring Study Abroad Through Transformative Learning: Insights from Engineering Undergraduates
Jaiswal, Aparajita (mentor)	Poster #1702 presented 11/19 @ 1:30-2:30pm	Evans Tang† Olivia Anne Guptill† Allyson Faith Miller†	Building Conflict Resolution Skills among First Year STEM Undergraduates
Jaiswal, Aparajita (mentor)	Research Talk #7054 presented 11/20 @ 1:00pm	Vidya Reddy Madana†	Gender Differences in Global Identity Development: Implications for Intercultural Competence in Higher Education
Jakl, Travis (acknowledgment)	Poster #1707 presented 11/19 @ 1:30-2:30pm	Charles James Wagnert† Vinay Pundith†	Accelerated Matrix Processor - Systolic Array
James, Nicholas William (acknowledgment)	Poster #1701 presented 11/19 @ 1:30-2:30pm	Nick Taha† Rishikesh Reddy Bathina† Pierce Yungjoon Johnson† Argha Badhon Saha†	Accelerated Matrix Processor - Scheduler Core
Jamil, Ishat Raihan (mentor)	Poster #1507 presented 11/19 @ 12:00-1:00pm	Jack Rearden Ferlazzo†	Semiconductor Advanced Packaging using Two-Photon Lithography
Jarriel, Katherine (mentor)	Research Talk #7078 presented 11/20 @ 3:00pm	Marlo Ann Weber† Connor Taychin Underwood† Christopher Gerald Farbert† Allyson Lynn Dinwiddie† Jacob David Dorson† Hannah Morgan Stegall† Danielle C Ejiogu† Giovanni Ignatius Stabile†	Project oCEANIC: Computing Environmental Adaptation and Navigation in Island Communities
Jayant, Krishna (mentor)	Poster #1698 presented 11/19 @ 1:30-2:30pm	Lautaro Franco Solert†	Tactile discrimination behavior paradigm to dissect circuit motif in somatosensory cortex
Jayant, Krishna (mentor)	Poster #1705 presented 11/19 @ 1:30-2:30pm	Andres Uzcategui†	Morphological characterization of anatomically defined Layer 5B pyramidal neuron subtypes
Jenkins, Jonathan B (mentor)	Poster #1109 presented 11/19 @ 9:00-10:00am	Bruce Daniel Ward† Rachel Pinto†	Potential Roles of Transposition in Carolina Chickadee (<i>Parus carolinensis</i>) Populations of Central Indiana
Jeon, Dayeon (mentor)	Poster #1007 presented 11/19 @ 9:00-10:00am	Megan Grace Ashby† Evan James Campbell* Delaney Alexandra Doncer*	Regulation of Fetal Growth in Swine Via Insulin-Like Growth Factor
Jeon, Dayeon (mentor)	Poster #1229 presented 11/19 @ 10:30-11:30am	Delaney Alexandra Doncer†	Effect of Intrauterine Growth Restriction on the Expression of the Solute Carrier 2A Family Across Three Fetal Tissues
Jeon, Dayeon (mentor)	Poster #1413 presented 11/19 @ 12:00-1:00pm	Evan James Campbell† Delaney Alexandra Doncer* Megan Grace Ashby*	Investigating the Role of Genes Regulating Cell-Cycle Progression on Intrauterine Growth Restriction
Jeon, Jong Yoon (acknowledgment)	Poster #1046 presented 11/19 @ 9:00-10:00am	Audrey Jean Heckelt†	Characterizing contemporary habitat conditions and distribution of the Montezuma Quail (<i>Cyrtonyx montezumae</i>) using ecological niche modeling
Jiang, Jing (mentor)	Research Talk #7005 presented 11/20 @ 9:40am	Surya Pratheek Turaga†	Wearable Electrochemical Sensors for Personalized Digital Health
Johns, Cortland Hannah (mentor)	Poster #1054 presented 11/19 @ 9:00-10:00am	Daniel Ethan Kelley†	Characterization of a Nonsurgical BAPN Murine Model for Thoracic Aortic Aneurysms
Johns, Cortland Hannah (mentor)	Poster #1234 presented 11/19 @ 10:30-11:30am	Ethan Phillip Foster†	Photocurable Sealant Use in a Lung Puncture Mouse Model

Students' Role Notations: †Presenting Author, ‡Contributing Author, *Acknowledgment

Name	Presentation	Students	Title
Johns, Cortland Hannah (mentor)	Poster #1668 presented 11/19 @ 1:30-2:30pm	Niharika Narra†	Thrombus Characterization in Abdominal Aortic Aneurysm and Aortic Dissection Models Using Histology and Scanning Electron Microscopy
Johnson, Lucas (mentor)	Poster #1455 presented 11/19 @ 12:00-1:00pm	Laurian Kate Lien†	Adaxial versus Abaxial Translocation in Dicots for Organic Nanocarriers Produced via FNP
Johnson, Mark (mentor)	Poster #1055 presented 11/19 @ 9:00-10:00am	Puthimet Kitjaruwankul† Chewon Yu Park† Shrienidhi Gopalakrishnan†	L2 victim cache memory for RISC-V microprocessor with prefetching
Johnson, Mark (mentor)	Poster #1061 presented 11/19 @ 9:00-10:00am	Michael Li† Yash Singh†	UART Communication for System on Chip
Johnson, Mark (mentor)	Poster #1065 presented 11/19 @ 9:00-10:00am	Antonios Maniatis† Rongbo Hu† Leo Pearson Malachowski†	SRAM
Johnson, Mark (mentor)	Poster #1090 presented 11/19 @ 9:00-10:00am	Devin Singh† Vidisha Singhal† Michael Jeffery Dick† Luca Renato Simoni† Andrew Michael Lykken†	Designing a Chiplet Communication Protocol for Post-Tapeout Heterogeneous Integration
Johnson, Mark (mentor)	Poster #1098 presented 11/19 @ 9:00-10:00am	Eduard Filip Tanase† Aiden Hughes Sexton† Alexander Thomas Aylward† Cecilie Zhang† Alexander Raffaele Ciccarelli† Khanh Nam Nguyen†	A Standard C Library Implementation on an In-House Designed RISC-V Microcontroller
Johnson, Mark (mentor)	Poster #1111 presented 11/19 @ 9:00-10:00am	Renzhi Yongtian† Rauf Emre Erkiletlioglu‡ Tei Okamoto* Weijing Sebastian Chen* Anika Bajpai* Aditya S Hebbani*	Remote-Controlled Car Shield Design for AFTx06 System on Chip
Johnson, Mark (mentor)	Poster #1223 presented 11/19 @ 10:30-11:30am	Daniel Choi† Hassan Al-alawi† Hunter A Mccollough† Abhiram Saridena† Viet Khoi Pham Khac† Akhilesh Prasad† Abhijay Achukola† Kshitij Miraj Shah† Phone Myat Paing† Jerry Ronald Chen† Justin Yasuumi† Charles Spencer Bowles†	Integrating SIMT and Scalar Cores to Manage Control Flow Divergence
Johnson, Mark (mentor)	Poster #1225 presented 11/19 @ 10:30-11:30am	William Rowan Cunningham† Kathy Niu†	Supervisor for Embedded Systems
Johnson, Mark (mentor)	Poster #1247 presented 11/19 @ 10:30-11:30am	Aditya S Hebbani† Rauf Emre Erkiletlioglu‡ Tei Okamoto* Weijing Sebastian Chen* Anika Bajpai* Renzhi Yongtian*	GSM modem shield for System on Chip
Johnson, Mark (mentor)	Poster #1414 presented 11/19 @ 12:00-1:00pm	Aniket Chatterjee†	Implementation of Zcmt extension in a RISC-V processor
Johnson, Mark (mentor)	Poster #1466 presented 11/19 @ 12:00-1:00pm	Rafael Monteiro Martins Pinheiro† Miguel Israel Teran†	Open-Source EDA Tools for ASIC Design: Enabling Undergraduate Tape-Out Opportunities
Johnson, Mark (mentor)	Poster #1612 presented 11/19 @ 1:30-2:30pm	Siddarth Balaji Calidas†	SoC Verification: Verifying design of Digital GPIO Multiplexer
Johnson, Mark (mentor)	Poster #1616 presented 11/19 @ 1:30-2:30pm	Harnoor Cheema† Jacob Chappell‡	QDILink

Name	Presentation	Students	Title
Johnson, Mark (mentor)	Poster #1654 presented 11/19 @ 1:30-2:30pm	Andrew James Larkins† Connor Ethan Behrend† Michael Lee†	Analyzing Hamming Weight Attacks for Cryptographic Security on SoCET's AFT
Johnson, Mark (mentor)	Poster #1687 presented 11/19 @ 1:30-2:30pm	Alexander Repikov† Robert Yida Zhang† Nathan Nanchuen Yut† Moe Wai Yan Myint† Fatma Mohamed Ahmed Youssef Alagroudy† Yara Ahmed Mohamed Abbas† Khoi Anh Nguyen†	SoCET MITLL Tapeout
Johnson, Mark (mentor)	Poster #1701 presented 11/19 @ 1:30-2:30pm	Nick Taha† Rishikesh Reddy Bathina† Pierce Yungjoon Johnson† Argha Badhon Saha†	Accelerated Matrix Processor - Scheduler Core
Johnson, Mark (mentor)	Poster #1706 presented 11/19 @ 1:30-2:30pm	Pranav Wadhwa† Kevin Luke Philips†	Accelerated Matrix Processor - Software/ISA
Johnson, Mark (mentor)	Poster #1707 presented 11/19 @ 1:30-2:30pm	Charles James Wagnert† Vinay Pundith†	Accelerated Matrix Processor - Systolic Array
Johnson, Mark (mentor)	Poster #1712 presented 11/19 @ 1:30-2:30pm	William Wong† varun Vaidyanathan† Yue Yin†	Accelerated Matrix Processor - Memory Subsystem
Johnson, Mark (mentor)	Research Talk #7060 presented 11/20 @ 2:00pm	Aishwarya Saikrupa Anand† Andy Hanjun Hu† Mary Francis† Dhruv Roopchand Khatri*	Improving Branch Prediction Accuracy and Benchmarking for a RISC-V Based Microcontroller
Johnson, Mark (mentor)	Research Talk #7085 presented 11/20 @ 4:20pm	Abdelrahman Osama Khalid† Kerollos Ehab Matta Yanny† Youssef Nagah Haider† Manuel Ashraf Melad Gad†	2.4 , 5 GHz Dual Band Wi-Fi RF Receiver
Johnson, Mark (mentor)	Virtual #9002 presented 11/19-11/26 virtually	Enrique Camacho† Haruna Kawai† Muhammad Ameer Hamza† Andrew Lee Schlabach‡ Geetika Chitturi‡ Akshath Raghav Ravikiran‡	Design and Implementation of a Standard Cell Library Using Open-Source Tools
Johnson, Mark (mentor)	Virtual #9006 presented 11/19-11/26 virtually	Indrayudh Chowdhury† Adam Jacob Keith†	UVM-Based Verification of RISC-V Multicore Design
Johnson, Mark (mentor)	Virtual #9014 presented 11/19-11/26 virtually	Dhruv Roopchand Khatri† Zafeer Aaryan Reza† Yan-Jun Lin† Wei-Yun Liu†	SkyWater Design Flow
Johnson, Michael Douglas (mentor)	Poster #1036 presented 11/19 @ 9:00-10:00am	Abigail Elizabeth Farler†	Mental Health within Collegiate Athletes
Johnson, Michael Douglas (mentor)	Poster #1044 presented 11/19 @ 9:00-10:00am	Aramia Gutierrez†	Retention Rates of Minority Students in PWIs
Johnson, Michael Douglas (mentor)	Poster #1227 presented 11/19 @ 10:30-11:30am	Alexis Nicole Daigle†	Effects of Mental Health in College Students from Sleep Schedule
Johnson, Michael Douglas (mentor)	Poster #1440 presented 11/19 @ 12:00-1:00pm	Michaela Danielle Headlee†	Mental Health Struggles Experienced In Students and Student-Athletes
Johnson, Michael Douglas (mentor)	Poster #1444 presented 11/19 @ 12:00-1:00pm	Sarah Elizabeth Kady†	The College Housing Crisis.
Johnson, Michael Douglas (mentor)	Poster #1452 presented 11/19 @ 12:00-1:00pm	Tess Elaine Korte†	Students, Shelter, and Success: Exploring the Impact of Housing on Student Outcomes
Johnson, Michael Douglas (mentor)	Poster #1490 presented 11/19 @ 12:00-1:00pm	Robert Allan Soohey†	Academic Procrastination in College: Contributing Factors and Purdue's Support Resources
Johnson, Michael Douglas (mentor)	Poster #1499 presented 11/19 @ 12:00-1:00pm	Nathaniel Thomas Waninger†	Effects of Extracurricular Involvement at Purdue University
Johnson, Michael Douglas (mentor)	Poster #1607 presented 11/19 @ 1:30-2:30pm	Hannah Grace Barsoum†	Phone Usage and Study Habits

Name	Presentation	Students	Title
Johnson, Michael Douglas (mentor)	Poster #1619 presented 11/19 @ 1:30-2:30pm	Andres Carlos Corona†	The Housing Crisis At Purdue
Johnson, Michael Douglas (mentor)	Poster #1632 presented 11/19 @ 1:30-2:30pm	Renato Mauricio Gardella†	Sleep and College Students: Exploring the Impact of Sleep Deprivation
Johnson, Michael Douglas (mentor)	Poster #1649 presented 11/19 @ 1:30-2:30pm	Robert Jake Kennedy†	Investigating the Impact of Student Organizations at Purdue University
Johnson, Michael Douglas (mentor)	Poster #1674 presented 11/19 @ 1:30-2:30pm	Nina Jo Parham†	Stress and its Effect on the Mental Health of College Students
Juguilon, Cody (mentor)	Poster #1456 presented 11/19 @ 12:00-1:00pm	Wesley Matthew Lint†	Vascular Dysfunction in Prader Willi Syndrome: Novel Insights into an Uncommon Disease
Jung, Andreas (mentor)	Poster #1067 presented 11/19 @ 9:00-10:00am	Adina Ioana Margineantu† Mitchell Drew Finley† Michael Vic Paulson† Jishnu Ghosh†	Reconstructing the Higgs Boson from a Four Muon Decay Channel
Jung, Andreas (mentor)	Poster #1709 presented 11/19 @ 1:30-2:30pm	Sam Brody Waymire† Dean Patrick Shock† Shawanwit Poomsa-ad† Elijah Scott Forbes†	Unlocking the Universe: Rediscovering the Higgs Boson
Jung, Andy (mentor)	Poster #1043 presented 11/19 @ 9:00-10:00am	Paul Bradley Greenberg† Juan Duarte Quiros*	Measurements of quantum discord in generated top quark pairs at $\sqrt{s} = 13$ TeV
Jung, Andy (mentor)	Poster #1447 presented 11/19 @ 12:00-1:00pm	Azain Khalid† Jack Harrison Reynolds† Kushal Venkata Peddakotla† Aiden M Hudson† Bailey Marie Jones†	Optimizing Quantum Annealing Parameters for Enhanced Performance in Track Clustering Algorithms: A Case Study with CMS Event Data
Jung, Andy (mentor)	Poster #1655 presented 11/19 @ 1:30-2:30pm	Jordan Larson† Vitor Limas Scheint† Justin Harrison Rothenberg† Tyler Mitchell† Aneesh Sai Katkam†	Reanalysis of the Higgs Boson Discovery through the 2 Electron 2 Muon Channel
Jung, Andy (mentor)	Poster #1694 presented 11/19 @ 1:30-2:30pm	Amirali Sharifi Olounabadi† Alaqmar Adnan Bohor† Sagnik Ballabh† Tiancheng Zhang†	Higgs Signal Classification
Jung, Andy (mentor)	Poster #1699 presented 11/19 @ 1:30-2:30pm	Vincent Cody Stavig† Benjamin David Duttlinger† Julius Coleton Thomas Jodway† Hermes Heng-yu Fu†	Higgs Boson Reconstruction with CMS Data
Jung, Jinha (mentor)	Poster #1062 presented 11/19 @ 9:00-10:00am	Jessica Serena Jiayue Li† Jingyu Xiao*	Synthetic Aperture Radar Technology for Estimating Soil Moisture
Jung, Jinha (mentor)	Poster #1298 presented 11/19 @ 10:30-11:30am	Jingyu Xiao† Jessica Serena Jiayue Li‡	Estimation of Soil Moisture with Synthetic Aperture Radar and Machine Learning
Jung, Jinha (mentor)	Virtual #9025 presented 11/19-11/26 virtually	Akshath Raghav Ravikiran†	Window Detection for LoD3 Building Models: A Comparative Study
Kagaya, Yuki (acknowledgment)	Poster #1077 presented 11/19 @ 9:00-10:00am	Joon Hong Park† Pranav Punuru‡	User-friendly web-server for cryo-EM structure modeling and validation
Kanaganamaradi Nagaraju, Vidya (acknowledgment)	Poster #1469 presented 11/19 @ 12:00-1:00pm	Tovia Grace Owens†	Comparative Performance of Urea-Gypsum Cocrystals
Kao, Shih-chun (mentor)	Poster #1670 presented 11/19 @ 1:30-2:30pm	Jillian G O'Flaherty†	Effects of BMI on Alpha Band Activity between Obese and Non-Obese Individuals During Resting EEG
Karalunas, Sarah Lyn (mentor)	Poster #1700 presented 11/19 @ 1:30-2:30pm	Trina Faith Tagamolila†	Using Eye-Tracking Methods to Understand Emotional Dysregulation in ADHD
Karanam, Dheeraj Krishna Chaitanya (acknowledgment)	Poster #1712 presented 11/19 @ 1:30-2:30pm	William Wong† varun Vaidyanathan† Yue Yin†	Accelerated Matrix Processor - Memory Subsystem
Karatas, Tugce (mentor)	Poster #1500 presented 11/19 @ 12:00-1:00pm	Jack William Ev Weston†	Influence of Various Social Relationships on Gifted Adolescents' Academic Interests: A Qualitative Study

Name	Presentation	Students	Title
Karcher, Darrin M (mentor)	Poster #1485 presented 11/19 @ 12:00-1:00pm	Dylan Wade Seets†	Reference Point Indentation Methodology with Chicken Tibiae
Kasinski, Andrea L (mentor)	Poster #1101 presented 11/19 @ 9:00-10:00am	Daniel Urdaneta Giraldo†	Role of Cancer-Derived Extracellular Vesicles and Oncogenic miRNAs in Promoting Invasive Phenotypes in Lung Cancer
Kasinski, Andrea L (mentor)	Poster #1471 presented 11/19 @ 12:00-1:00pm	Aadya Pandey†	Mechanisms of miRNA Packaging into EVs in Non-Small Cell Lung Cancer
Kasting, Monica (mentor)	Poster #1470 presented 11/19 @ 12:00-1:00pm	Caroline Rhea Packee† Emma Swanson† Avery Grace Brubaker† Evan Graham Coblentz‡	Exploring How HPV Vaccine Education Impacts Health Behaviors and Attitude on a College Campus
Kazemian, Majid (mentor)	Research Talk #7035 presented 11/20 @ 11:40am	Abigail Hyejin Lee† Kaaya Dharm Sharma*	Investigating the effects of ciclopirox and its derivatives on urothelial and renal cell carcinomas
Kazemian, Majid (mentor)	Research Talk #7081 presented 11/20 @ 3:00pm	An My Nguyen†	Investigating the functions of Epstein-Barr Virus Gene BNLF2b in Gastric Cancer Progression
Kelleher, Bridgette (mentor)	Poster #1240 presented 11/19 @ 10:30-11:30am	Kaitlyn Nicole Gregerson†	Association of FMR1 repeat size with depression, anxiety, and stress
Kelleher, Bridgette (mentor)	Poster #1295 presented 11/19 @ 10:30-11:30am	Elizabeth Soller† Priscilla Amaya Gallardo†	Association Between Hyporesponsiveness and Engagement during Parent-Child Interactions across Children with and without Neurogenetic Syndromes
Kelleher, Bridgette (mentor)	Poster #1428 presented 11/19 @ 12:00-1:00pm	Evelyn Hanson Frank† Jacoba Marlene Babin†	How Social Support Impacts Rare Disorder Caregiver
Kelleher, Bridgette (acknowledgment)	Poster #1445 presented 11/19 @ 12:00-1:00pm	Roma Nandan Kamat†	Effects of FMR1 premutation status on neural measures of executive function and cerebellar GABA
Kenley, Charles Robert (mentor)	Research Talk #7077 presented 11/20 @ 3:40pm	Caroline Grace Thomas†	The INCOSE Symposium Paper Collection: What Does It Tell Us About the Discipline?
Kenttamaa, Hilikka I (mentor)	Poster #1251 presented 11/19 @ 10:30-11:30am	Marielle G Jackson†	Developing a Solid Phase Extraction/High Resolution Mass Spectrometry Method for Biofuel Analysis
Keough, Brandon Matthew (mentor)	Poster #1644 presented 11/19 @ 1:30-2:30pm	Lauren Elizabeth Johnson† Bethany Ruth Remian‡ Nicholas Ryan Borders‡	Testing the Snowball Earth hypothesis: Is there evidence for low-latitude glaciation? Geologic analysis of the Konnarock Formation, VA
Keri, Hayagreev Vadhiraaj Sarma (mentor)	Poster #1435 presented 11/19 @ 12:00-1:00pm	Saloni Gupte†	Goal-directed sequence discrimination behavior in mice
Khan, Ghazi (mentor)	Poster #1713 presented 11/19 @ 1:30-2:30pm	Jinho Yoon† Brandt David Pierce† Arnav Jadhav† Christian Scheckel† Aditya Gandhi† Tylen Sean Fleming† Nicholas James Detwiler‡ Omkar Ghodke‡ Warat Nathan Vijitbenjaronk‡ Keshav Shylesh‡ Tanvi Chukka‡ Truman Stephen Mohr‡	Progress on 3D General-Purpose Computational Quantum Electromagnetics Modeling
Kidambi, Ashwin R (acknowledgment)	Poster #1510 presented 11/19 @ 12:00-1:00pm	Robert Scott Richards†	Pre-processing User Interface for Package Design and Co-design of EDA Tool
Kihara, Daisuke (mentor)	Poster #1077 presented 11/19 @ 9:00-10:00am	Joon Hong Park† Pranav Punuru‡	User-friendly web-server for cryo-EM structure modeling and validation
Kim, Garam (mentor)	Poster #1083 presented 11/19 @ 9:00-10:00am	Lea Nikole Quiroa Lopez† Juan Pablo Melgar Feregrino†	Influence of Surface Sealing and Release Agent on Surface Characteristics of Additively Manufactured Fiber-Reinforced Thermoplastic Composite Tools
Kim, Garam (mentor)	Poster #1269 presented 11/19 @ 10:30-11:30am	Stan Melkumian†	Design, Fabrication, and Testing of Carbon Fiber Bridges

Name	Presentation	Students	Title
Kim, Garam (acknowledgment)	Poster #1429 presented 11/19 @ 12:00-1:00pm	Raul Hector Fuentes Hernandez† Ivan Gregorio Vega Campast†	Development of Modular Robotic Platform for Ocean Exploration Through Composites Additive Manufacturing
Kim, Garam (mentor)	Poster #1675 presented 11/19 @ 1:30-2:30pm	Paul Kyu-Hwan Park† Caden Cole Cowles‡	Investigation of Adhesive Joints in Printed Autoclave Tooling
Kim, Garam (mentor)	Research Talk #7000 presented 11/20 @ 9:00am	Hanhyun Kwak†	Applicability of Additively Manufactured Fiber-Reinforced Thermoplastic Composite Mold for Thermoplastic Composite Thermoforming Process
Kim, Garam (mentor)	Research Talk #7043 presented 11/20 @ 12:20pm	Sucheol Woo† Min Yong Chun*	Investigation of Optimal Machining Parameters for Fiber-Reinforced Thermoplastic Composite Tooling
Kim, Han Sae (mentor)	Virtual #9025 presented 11/19-11/26 virtually	Akshath Raghav Ravikiran†	Window Detection for LoD3 Building Models: A Comparative Study
Kim, Jaeun (mentor)	Poster #1232 presented 11/19 @ 10:30-11:30am	Maximillian Francis Farrell† Arnav Naval† Matthew Alvarez Hackett† Shreya Laxmi Nagendra† Genna Nicole Yavaraski† Jason Dumauual Lyst† Tanek Malhotra† Parth Kapila† Aniruddh Srivastava†	Real-Time Hazard Detection using IoT
Kim, Jaeun (mentor)	Virtual #9016 presented 11/19-11/26 virtually	Zelin Li†	Exploring Robotic Manipulation: Kinematics, Control, and Reinforcement Learning in the VIP-GEAI Project
Kim, Taehyeon (mentor)	Research Talk #7044 presented 11/20 @ 12:40pm	Arjun Sandeep Gupte†	REBEL: Rule-based and Experience-enhanced Learning with LLMs for Initial Task Allocation in Multi-Human Multi-Robot Teams
Kinzig, Kimberly (mentor)	Poster #1248 presented 11/19 @ 10:30-11:30am	Natalie Chyrystine Hoffmant†	The Impact of Different Types of High Fat Diet on Energy Consumption and Weight Gain in Male and Female Rats
Kinzig, Kimberly (mentor)	Poster #1453 presented 11/19 @ 12:00-1:00pm	Linnaea Eileen Krupke†	Effects of PCOS on Cognitive Function
Kinzig, Kimberly (mentor)	Research Talk #7018 presented 11/20 @ 10:00am	Morgan Marie DesEnfants† Roshni Manikandan‡ Linnaea Eileen Krupke*	Effects of DHEA on the estrous cycle: a rodent model of Polycystic Ovary Syndrome
Kirkham, Perry M (acknowledgment)	Poster #1436 presented 11/19 @ 12:00-1:00pm	Bek Hamelint†	An Anthropological Case Study of Care in Wea Creek Orchard
Kistler, Brandon M (acknowledgment)	Poster #1474 presented 11/19 @ 12:00-1:00pm	Sophia Pirela†	Evaluation of Online Nutrition Education Materials for Hispanic/Latino Individuals with Chronic Kidney Disease
Klaassen, Connor (acknowledgment)	Research Talk #7086 presented 11/20 @ 4:40pm	Arman Kumar†	NucleusPrime: An efficient computational tool for the design of oligonucleotide primers for nucleic acid amplification methods
Klimov, Pavel Borisovich (mentor)	Poster #1608 presented 11/19 @ 1:30-2:30pm	Sarah M Bennett†	A Genomic Analysis of Global House Dust Mite Allergen Diversity
Kolbinger, Fiona (mentor)	Virtual #9005 presented 11/19-11/26 virtually	Sanjna K Chokshi† Joshua Paik† Nishaant Kunal Shah† Elina Ashish Shah†	Surgical Scene Segmentation
Kong, (mentor)	Research Talk #7036 presented 11/20 @ 12:00pm	Victor Ionut Ene† Danica Brynn Joyner† Nathan James Arnold† Harshavi P Birla† Natasha Rajendrarao Gundapaneni† Ty Dean Frederick† Shelby Grace Britton† Parth Kailash Dubal† Bhaskar S Patke†	Biomedical Drone for Narcan Delivery

Name	Presentation	Students	Title
Kotwal, Om P (mentor)	Poster #1285 presented 11/19 @ 10:30-11:30am	Atharva S Rao† Moeyad OmerAbdalla Omer† Avanish Karlapudi† Dogyu Ryu†	AXI
Kotwal, Om P (mentor)	Poster #1691 presented 11/19 @ 1:30-2:30pm	Justin Sanchez† Duc Pham Minh† Jain Iftesam† Saandiya KPS Mohan†	Floating Point Unit on RISC-V
Krause moras, Bruno cesar (mentor)	Poster #1052 presented 11/19 @ 9:00-10:00am	Christina Joslin†	How Does Experience Affect Perceptions of Electric Vehicle Characteristics? A Users vs. Non-Users Comparison
Kulkarni, Ritwik Vijaykumar (mentor)	Poster #1508 presented 11/19 @ 12:00-1:00pm	Nolan Parker Gronowski†	Surface Curvature Use for the Mitigation of Thermal Grease Pump-Out
Ky, Samantha L. (mentor)	Poster #1470 presented 11/19 @ 12:00-1:00pm	Caroline Rhea Packee† Emma Swanson† Avery Grace Brubaker† Evan Graham Coblentz‡	Exploring How HPV Vaccine Education Impacts Health Behaviors and Attitude on a College Campus
Labi, Samuel (mentor)	Poster #1252 presented 11/19 @ 10:30-11:30am	Ritwik Suresh Jayaraman† Aman Katyal† Azain Khalid† Chiraag Shashi Kumar†	Raceline Optimization for Indy Cars Using Quantum-annealing
Labi, Samuel (mentor)	Poster #1257 presented 11/19 @ 10:30-11:30am	Junyoung Kim† Christian A Choi†	Racing Line Optimization with Adoptive Grip Estimation
Labi, Samuel (mentor)	Poster #1432 presented 11/19 @ 12:00-1:00pm	Justin Zijie Gan† Sahithi Gokavaraput† Pranati Patchigolla†	Camera Lidar Fusion Pipeline
Labi, Samuel (mentor)	Poster #1437 presented 11/19 @ 12:00-1:00pm	Bennett Michael Hanan† Margulan Mukhametkarim† Benjamin Harris Ciliberto† Ridge McCain Blankenship† Alexander T Valdes‡ Nicholas Keir Wade‡ Andrew Joseph Shelley‡ Alexander Kmetko‡ Liam M McCormack‡	Naval Surface Warfare Center Artificial Intelligence Maritime Maneuvering Challenge
Labi, Samuel (mentor)	Poster #1497 presented 11/19 @ 12:00-1:00pm	Benjamin Thomas Sykest† Rohin Rajesh Nair† Emily Song† Aroldo Fernando Lugo Quintanilla† Alexander Popescu† Shreya Shrikrushna Pulujkar†	Integration of Autonomous Racing Systems
Labi, Samuel (mentor)	Research Talk #7002 presented 11/20 @ 9:40am	Myron Milad Tadros† Ahmed Sayed Omar Omart† Omar Ahmed Roshdi Badawi Abousheishaa† Bola Yosry Zaky Warsy† Abdelrahman Ahmed Safwat Eissa†	Real-Time Agent Motion Prediction in Multi-Agent Autonomous Racing Using Deep Neural Networks
Lagudu, Vishnu Chaithanya (mentor)	Poster #1285 presented 11/19 @ 10:30-11:30am	Atharva S Rao† Moeyad OmerAbdalla Omer† Avanish Karlapudi† Dogyu Ryu†	AXI
Lagudu, Vishnu Chaithanya (mentor)	Poster #1612 presented 11/19 @ 1:30-2:30pm	Siddarth Balaji Calidas†	SoC Verification: Verifying design of Digital GPIO Multiplexer
Lagudu, Vishnu Chaithanya (mentor)	Virtual #9006 presented 11/19-11/26 virtually	Indrayudh Chowdhury† Adam Jacob Keith†	UVM-Based Verification of RISC-V Multicore Design
Lagudu, Vishnu Chaithanya (mentor)	Virtual #9010 presented 11/19-11/26 virtually	Seth Christian Graber†	Edge Detector Verification (UVM)
Lai, Dali (mentor)	Poster #1093 presented 11/19 @ 9:00-10:00am	Nathaniel A Smith†	Design and Integration of an 8-Bit Segmented R-2R Current-Mode DAC with Thermometer Decoding for System-on-Chip Applications

Students' Role Notations: †Presenting Author, ‡Contributing Author, *Acknowledgment

Name	Presentation	Students	Title
Lai, Dali (mentor)	Poster #1449 presented 11/19 @ 12:00-1:00pm	Seeun Kim†	8-bit flash Analog to Digital Converter for System-on-Chip Applications
Lai, Sean Yenyu (mentor)	Poster #1506 presented 11/19 @ 12:00-1:00pm	Brendan Duffy† Hannah Y Chun* Rongkai Yu*	Micro-Precision Constitutive Characterizations of High-Temperature Solder Interconnects and Circuit Board Specimen Design for Electromigration Testing
Lanham, Matthew (mentor)	Poster #1002 presented 11/19 @ 9:00-10:00am	Shreem Bhavesh Amin† Jose Augusto Heighes Claux† Max Elliott Matteucci† Swati Raj Rajasekaran†	Using Coding Applications to Predict and Analyze Stages of Grief
Lanham, Matthew (mentor)	Poster #1027 presented 11/19 @ 9:00-10:00am	Vinicius da Paixao Fernandes† Drew Christopher Lawler† Viva Parmar† Athian Shuen Yang†	GriefMap AI
Lanham, Matthew (mentor)	Poster #1028 presented 11/19 @ 9:00-10:00am	Caleb Dai† Ethan Mathew Lebon† Cooper William Springs† Zixiang Xia†	Transforming Survivor Support: Data-Driven Journey Mapping with R for TAPS
Lanham, Matthew (mentor)	Poster #1032 presented 11/19 @ 9:00-10:00am	Alice Nha Thy Dinh† Thomas John Durkin† Jenna Grace Hash† Isabella Kidrian McGuire†	Pathways of Grief: Bridging Survey Data to Grief Support with Data Mining
Lanham, Matthew (mentor)	Poster #1040 presented 11/19 @ 9:00-10:00am	Beatriz Gimenez Cerezo† Ty Emerson Schaffer† Cooper Jacob Wylie†	Automated Journey Mapping for Survivor Support: A Data-Driven Approach to Enhancing TAPS
Lanham, Matthew (mentor)	Poster #1058 presented 11/19 @ 9:00-10:00am	Raina Kunder† Christian Alexander Leidholm† Bao Chau Chau Nguyen† Alec Michael Walter†	FastTrack to Recovery
Lanham, Matthew (mentor)	Poster #1059 presented 11/19 @ 9:00-10:00am	Ying Yui Lai† Sean Prue† Jackson Kent Thompson† Zijing Zhang†	Machine Learning for the Tragedy Assistance Program for Survivors
Lanham, Matthew (mentor)	Poster #1060 presented 11/19 @ 9:00-10:00am	Claire Anne LaVoie† Conrad Sebastian Lint† Ethan Christopher Marks† Benjamin Albert Westreich†	Grief Stage Identification for Personalized Care in Military Survivors Using Data-Mining
Lanham, Matthew (mentor)	Poster #1072 presented 11/19 @ 9:00-10:00am	Viswanath Jay Nair† Sahil Maurice† Oliver Joo Sung Johnson†	Data-Driven Emotional Recovery Stage Identification for Military Survivors
Lanham, Matthew (mentor)	Poster #1082 presented 11/19 @ 9:00-10:00am	Jonathan D Putman† Jacob Henning Deahl† Bocheng Wang†	From Data to Compassion: An AI-Powered Model for Survivor Support in Military Communities
Lanham, Matthew (mentor)	Poster #1208 presented 11/19 @ 10:30-11:30am	Dillon Seamus Blair† Gabriel L Ponsot† Filippa Maria Rodriguez Pinzont† Colin Lucas Wellington†	Supporting Survivor Families with Data-Driven Insights
Lanham, Matthew (mentor)	Poster #1215 presented 11/19 @ 10:30-11:30am	Juan Pablo Cantu Erhard† Robert Pedro Chambers† Michael Poliakov† Tomas Turner†	Tragedy Assistance Program for Survivor (TAPS) Grief Stage Prediction Model
Lanham, Matthew (mentor)	Poster #1256 presented 11/19 @ 10:30-11:30am	Shashwath Keta† Alacya Madison Lynch† Colin R Nixon† Qixue Zheng†	Mapping Grief Stages: A Data-driven Solution for TAPS Survivor Support
Lanham, Matthew (mentor)	Poster #1258 presented 11/19 @ 10:30-11:30am	Yumin Kim† Ryan Matthew Yatco Wong† Adam James Smith† Alexander Thomas White†	AI-Powered Journey Mapping: Enhancing Support for Military Survivors with Automated Grief Stage Identification

Name	Presentation	Students	Title
Lanham, Matthew (mentor)	Poster #1265 presented 11/19 @ 10:30-11:30am	Yinuo Liu† Shreya Maganti† Anisha Kumar† Yash Handa†	Data Alchemy
Lanham, Matthew (mentor)	Poster #1292 presented 11/19 @ 10:30-11:30am	Ace Setiawan† Leila Nicole Yee† Ethan Broderick Gartner† Ryan Andrew Leighton†	AI-Driven Grief Stage Classification for Military Survivors
Lanham, Matthew (mentor)	Poster #1400 presented 11/19 @ 12:00-1:00pm	Yaqeen Al Futaisi† Peter Abernethy Krivacka† Elijah Robert Windle† Kuiyan Zhao†	Survivor Grief Mapping for Efficient Support Systems
Lanham, Matthew (mentor)	Poster #1401 presented 11/19 @ 12:00-1:00pm	Omar Haytham Al Husseini† Qeren Isabella-Nailah Blakey† Olivia Francis Hojnicky† Marshall Alex Prince†	Data Driven Decisions in Collaboration with TAPS
Lanham, Matthew (mentor)	Poster #1402 presented 11/19 @ 12:00-1:00pm	Achyuth Balram Ambady† Harshini Malarvannan† Arnav Singh† John Martin Strabala†	Navigating Grief
Lanham, Matthew (mentor)	Poster #1407 presented 11/19 @ 12:00-1:00pm	Nicolo Roberto Chuapoco Biscocho† Ryo Hasegawa† Emeline Marie Papp† Elliot Joseph Surnamer†	AI-Powered Classification of Military Grief Stages for Survivor Support
Lanham, Matthew (mentor)	Poster #1408 presented 11/19 @ 12:00-1:00pm	Caleb Zachariah Brunton† Nelson A Paguada† Neha A Venkatraman†	Transforming Survivor Support: AI-Powered Journey Mapping for TAPS
Lanham, Matthew (mentor)	Poster #1409 presented 11/19 @ 12:00-1:00pm	Jose Jorge Bueso† Mia Claire Dunsmore† Mitchell Louis Rittmant† Olivia Kylie Troy†	From Data to Care: AI Solutions for Personalized Survivor Support at TAPS
Lanham, Matthew (mentor)	Poster #1426 presented 11/19 @ 12:00-1:00pm	Kyle Steven Emgenbroich† Marco Ryan Bravo† Orion Matthew Barrett-Tzannes† Hunter McCormick Danton†	AI-Driven Survivor Journey Mapping for TAPS: Automating Grief Stage Classification
Lanham, Matthew (mentor)	Poster #1431 presented 11/19 @ 12:00-1:00pm	Daniel Robert Gallagher† Ronak Bhagia† Mansi Shakalya† Huei Syuan Chiang†	TAPS Grief Journey with R and AI
Lanham, Matthew (mentor)	Poster #1433 presented 11/19 @ 12:00-1:00pm	Arya Garg† Yujie Huang† Aryaa Madan† Ethan Brian Kobylinski†	Diving Deep: Creating the Best AI Model to Support Grief Stages for Survivors
Lanham, Matthew (mentor)	Poster #1438 presented 11/19 @ 12:00-1:00pm	Mya E Hardin† Ryan Michael Sagendorph† Christina Wan† Peregrine Zhang†	Helping TAPS with Machine Learning and Data Mining
Lanham, Matthew (mentor)	Poster #1441 presented 11/19 @ 12:00-1:00pm	Ian William Hedges† Somin Yang† Kyle Anthony Fernandez† Mackenzie Elizabeth Arnish†	Predicting Grief Stages for Veteran Survivors
Lanham, Matthew (mentor)	Poster #1464 presented 11/19 @ 12:00-1:00pm	Mihir Menon† Albert Joseph Burton† Varun Anand† Owen Kenneth Schafert†	Guiding Hope with AI to Support Military Survivors
Lanham, Matthew (mentor)	Poster #1473 presented 11/19 @ 12:00-1:00pm	Marili Carmen Perez† Aryan Pratik Kodial† Cole Bushell† James William Pope†	Patterns in Grief

Name	Presentation	Students	Title
Lanham, Matthew (mentor)	Poster #1604 presented 11/19 @ 1:30-2:30pm	Jaden R Azar† Darren Ng† Jari L Warner†	Data Mining with R
Lanham, Matthew (mentor)	Poster #1611 presented 11/19 @ 1:30-2:30pm	Ru Yi Cai† Anurag Koripalli† Christopher Raymond†	Utilizing Machine Learning methods to assist TAPS services
Lanham, Matthew (mentor)	Poster #1613 presented 11/19 @ 1:30-2:30pm	Gabriel John Carlson† Sanjay Kandadi† Natasha Lynn Kiel† Rixi Zeng†	Classifying Grief Stages for Appropriate Care through Data Mining Methods
Lanham, Matthew (mentor)	Poster #1617 presented 11/19 @ 1:30-2:30pm	Susan Chen† Maddie Jo Musser† Himanshu Niraj Sethia† Shuoming Yu†	Data for Good - Data Dream Team
Lanham, Matthew (mentor)	Poster #1627 presented 11/19 @ 1:30-2:30pm	Brandon Michael Driest† Yalan Mai† Aidan Daniel Manickam† Michelle Zi Jun Pan†	Automated Journey Mapping: Empowering Survivor Support
Lanham, Matthew (mentor)	Poster #1641 presented 11/19 @ 1:30-2:30pm	Evan Mcpherson Hunt† Jiwon Christopher Moon† Christopher David Pontious† Aochuan Shen†	TAPS Military grief aid
Lanham, Matthew (mentor)	Poster #1657 presented 11/19 @ 1:30-2:30pm	Chi Lin† Aruneeth Ranjan Sil† Sanjana Chinthalapalli Mohan†	Data-Driven Approach for Identifying Grief Stages in Military Survivors Using AI and Cloud Services
Lanham, Matthew (mentor)	Poster #1679 presented 11/19 @ 1:30-2:30pm	Ricardo Andres Pena Rojas† Matthew Mellor Pierce† Bradley J White† Lejia Zhou†	Classifying grief stages with survey data
Lanham, Matthew (mentor)	Poster #1715 presented 11/19 @ 1:30-2:30pm	Xinyi Zhang† Maryam Shakil† Jared Travis Richardson†	TAPS team 7
Lanham, Matthew (mentor)	Virtual #9008 presented 11/19-11/26 virtually	Satyam Vipulbhai Dave† Yana Sheoran†	Comparative Analysis of AI Pipelines for Multi-Modal Story Generation and Visualization: Balancing Complexity, Performance, and Adaptability
Lanman, Nadia Atallah (mentor)	Research Talk #7010 presented 11/20 @ 9:20am	Andree Kolliegbot†	Using Single-cell RNA Sequencing to Identify Leukocyte Subsets Present in Benign Prostatic Hyperplasia
LaRoche, Kathryn Jean (mentor)	Poster #1418 presented 11/19 @ 12:00-1:00pm	Gisselle Cordoba†	How do Latinas experience pregnancy loss? A Study Protocol
LaRoche, Kathryn Jean (mentor)	Poster #1629 presented 11/19 @ 1:30-2:30pm	Alexandra Sophia Finlayson†	Left Waiting: Barriers and Facilitators to Early Prenatal Care Access through the Experience of Pregnant People in Indiana
LaRoche, Kathryn Jean (mentor)	Poster #1630 presented 11/19 @ 1:30-2:30pm	Isabella Marie Ford† Elissa Maria Finnessy†	Maternal Fetal Medicine Practice under Abortion Bans: A Study Protocol
LaRoche, Kathryn Jean (mentor)	Poster #1682 presented 11/19 @ 1:30-2:30pm	Alana Powell†	Sickle Cell and Family Planning: An Indiana Study Protocol
LaRoche, Kathryn Jean (mentor)	Research Talk #7006 presented 11/20 @ 9:00am	Lily Grace Renke† Emma Michelle Gordon‡	The Disconnect Between Policy and Patient Care: Exploring the Impact of Indiana's Fetal Disposition Law on Pregnancy Loss Patients
Laskin, Julia (mentor)	Poster #1226 presented 11/19 @ 10:30-11:30am	Ronald Anton Cutler†	Measuring the Reaction Kinetics of Iron and Nickel Centered Metal Complexes
Lawal, Fatimah Bisola (acknowledgment)	Poster #1682 presented 11/19 @ 1:30-2:30pm	Alana Powell†	Sickle Cell and Family Planning: An Indiana Study Protocol
Layman, Brady Robert (mentor)	Poster #1216 presented 11/19 @ 10:30-11:30am	Daniel Michael Carrel†	Electroless Through-Space Electrochemiluminescence
Layman, Brady Robert (mentor)	Poster #1680 presented 11/19 @ 1:30-2:30pm	Lillian Faith Pierce†	Bubble Nucleation Drives Droplet Coalescence

Name	Presentation	Students	Title
Lee, Chang Geun (acknowledgment)	Research Talk #7030 presented 11/20 @ 11:00am	Shane Kevin Limas†	Analysis of the heavy metals in electrodes used in manual metal arc welding and the generated fumes
Lee, Hyowon (mentor)	Poster #1035 presented 11/19 @ 9:00-10:00am	Deniz Eksioglu†	Towards reliable neural stimulation using an electroplated PEDOT: PSS-coated electrode
Lee, Kevin T (mentor)	Poster #1287 presented 11/19 @ 10:30-11:30am	Partha Rathi† Dat Hien Tieu† Jason Zhengxuan Huang† Cassandra Lobo Gonzalez† Kai Ye†	Using Computer Vision to approximate the orientation of a buoy.
Lee, Kevin T (mentor)	Virtual #9012 presented 11/19-11/26 virtually	Christopher Barnes Haynes† Hayden Leonhard Supple† Edwin Alvarado†	Use of 2D Image Processing to Obtain Unknown Distance
Lee, Kevin T (mentor)	Virtual #9028 presented 11/19-11/26 virtually	Rohil H Tailor† Yongwook Lee† Ammar Hafiy Bin Abd Ghaffar† Jacob Metcalf† Rikhil Tadiparthi† Neal Jacob Grogg-Reading†	NSCW AIMM Buoy Detection and Boat Orientation Using 2D Webcams
Lee, Wonki (mentor)	Poster #1417 presented 11/19 @ 12:00-1:00pm	Amiah Bailey Clevenger†	Integration of Learning by Evaluating (LbE) within the 5E Instructional Model in Engineering Design Education
Legault, McKalaih Elizabeth (mentor)	Poster #1301 presented 11/19 @ 10:30-11:30am	Yao Yao† Ramsey David Frederick Miller†	How do LLM Responses Differ When Asked About Medication Interactions with Alcohol?
Leung, Chi Ho (mentor)	Virtual #9000 presented 11/19-11/26 virtually	Satvika Anand Raj†	How can the Gillespie Algorithm be used to Model Disease Spread?
Leung, Yuk Fai (mentor)	Poster #1073 presented 11/19 @ 9:00-10:00am	Jillian New†	Investigating the Effects of FDA-Approved Drugs for Treating Inherited Night Blindness in a Zebrafish Model
Leuschen-kohl, Rebecca Lynn (mentor)	Poster #1279 presented 11/19 @ 10:30-11:30am	Brooke Allison Pilkey† Shreya Joshy‡	Understanding the role of bacterial exopolysaccharides as a virulence factor in the Ralstonia-tomato pathosystem
Lewis, David (mentor)	Research Talk #7016 presented 11/20 @ 10:20am	Paige Morgan Gonzalez†	The Burden of Legislation: How State Partisanship Influences Policy Design
Li, Haitong (mentor)	Poster #1313 presented 11/19 @ 10:30-11:30am	Ho Jun Lee† Geetika Chitturi†	Fabrication Process Flow Development for 3D Monolithic Integration of 2D Monolayer FETs
Li, Junfei (mentor)	Poster #1074 presented 11/19 @ 9:00-10:00am	Ji Bing Ni†	Future-Proofing ECE Labs.io: Accessibility, Engagement, and Growth
Li, Junfei (mentor)	Poster #1290 presented 11/19 @ 10:30-11:30am	Adam Jair Selby†	Remote FPGA Integration for Electrical Engineering Technology Courses: Expanding Access Through ECE Labs.io
Li, Junfei (mentor)	Poster #1454 presented 11/19 @ 12:00-1:00pm	William Lee†	ECE Labs.io
Li, Junfei (mentor)	Poster #1651 presented 11/19 @ 1:30-2:30pm	Seeun Kim†	ECE270 Expander
Li, Qingchun (mentor)	Research Talk #7004 presented 11/20 @ 9:20am	Tanya Sophia Masnyk†	Examining tropical cyclone-induced compound hazards to inform effective adaptation and mitigation policies.
Li, Shu (acknowledgment)	Poster #1077 presented 11/19 @ 9:00-10:00am	Joon Hong Park† Pranav Punuru‡	User-friendly web-server for cryo-EM structure modeling and validation
Li, Yunyue (mentor)	Research Talk #7022 presented 11/20 @ 10:20am	Theo Adrian Garcia Carranco†	Seismic Monitoring of Rainfall-induced Subsurface Changes Using Kullback–Leibler and Jensen–Shannon Divergence
Liang, Changkuan (acknowledgment)	Poster #1017 presented 11/19 @ 9:00-10:00am	Zachary V Bryant†	Compressor Technology Development for Refrigerants <150 Global Warming Potential
Limiac, Amanda K (mentor)	Poster #1097 presented 11/19 @ 9:00-10:00am	Austin Robert Tanabe† Daniel Russell Cline† Collin Jayson Kao*	Isolation and Characterization of Bacteriophage Goblin19: Expanding the Phage Database Targeting <i>Arthrobacter globiformis</i>
Limiac, Amanda K (mentor)	Poster #1203 presented 11/19 @ 10:30-11:30am	Tina Atmani† Lana Malek† Xiuyu Shi†	Isolation, purification, and characterization of Bacteriophage Tiziri from <i>Arthrobacter globiformis</i>

Name	Presentation	Students	Title
Limiac, Amanda K (mentor)	Poster #1206 presented 11/19 @ 10:30-11:30am	Alexis Lucille Ador Bernal† Manya Devang Kadiwala†	Isolation, Extraction, and Characterization of the Novel Actinobacteriophage, Skitty, using the host Arthrobacter Globiformis for Potential Antimicrobial Applications
Limiac, Amanda K (mentor)	Poster #1278 presented 11/19 @ 10:30-11:30am	Mia Cynthia Pfeiffer† Anne Flynn Campbell† Collin Jayson Kao‡	Isolation and Characterization of Halloweekend Using A. Globiformis B-2979
Limiac, Amanda K (mentor)	Poster #1280 presented 11/19 @ 10:30-11:30am	Katherine Alfreda Poirier† Lauren Elizabeth Bhat† Lauren Marie Schinker‡	Isolation of novel bacteriophage PeteJr using host Arthrobacter globiformis
Limiac, Amanda K (mentor)	Poster #1296 presented 11/19 @ 10:30-11:30am	Sara Thomason† Zhiyuan Chen†	Discovery and characterization of Arthrobacter phage FrancisForever
Limiac, Amanda K (mentor)	Poster #1631 presented 11/19 @ 1:30-2:30pm	Natalia Brynn Gaffney† Leilani Grace Agngarayngay† Alexis Lucille Ador Bernal‡	Isolation of Novel Bacteriophage Natlani from Arthrobacter Globiformis
Limiac, Amanda K (acknowledgment)	Poster #1686 presented 11/19 @ 1:30-2:30pm	Emily Joy Reeves† Ally Morgan Wigand†	Identifying Novel Phages Infecting Arthrobacter globiformis
Lin, Ellis (acknowledgment)	Poster #1263 presented 11/19 @ 10:30-11:30am	Declan Leaird† William Isaiah Need*	Degradation of a Blue Dye Using Peroxide and Bicarbonate
Lindemann, Stephen R (mentor)	Poster #1279 presented 11/19 @ 10:30-11:30am	Brooke Allison Pilkey† Shreya Joshy‡	Understanding the role of bacterial exopolysaccharides as a virulence factor in the Ralstonia-tomato pathosystem
Lindsay, Ian (acknowledgment)	Research Talk #7019 presented 11/20 @ 10:20am	Bethany Fabert†	Environmental Contamination and Birth Anomalies in Iraq
Ling, Kai (acknowledgment)	Poster #1077 presented 11/19 @ 9:00-10:00am	Joon Hong Park† Pranav Punuru‡	User-friendly web-server for cryo-EM structure modeling and validation
Lipton, Megan Hope (mentor)	Research Talk #7037 presented 11/20 @ 12:20pm	Lucy Anne Jurow† Hannah Jordan Margulist	Understanding Tactile Sensation: Neural Mechanisms of Texture Exploration in Freely Moving Mice
Little, Dianne (mentor)	Poster #1480 presented 11/19 @ 12:00-1:00pm	Sarah Schloff†	Mechanical Testing Standards for Tendon - Are they Equivalent?
Liu, Huilong (mentor)	Poster #1308 presented 11/19 @ 10:30-11:30am	Ethan Christian Christie†	UV-Vis-NIR Spectroscopy to measure Degradation in Dielectric Fluids and Thin-Film Semiconductors
Liu, Huilong (mentor)	Virtual #9029 presented 11/19-11/26 virtually	Laasya Thiagarajan†	Critical metal extraction from thin-film semiconductors at End-of-Life
Liu, Jing (mentor)	Research Talk #7058 presented 11/20 @ 1:20pm	Ishaan Kartik Singh†	Understanding the Bit-Depth of SPAD Arrays for FLIM
Liu, Julie C (mentor)	Poster #1270 presented 11/19 @ 10:30-11:30am	Ivan Mateo Meneses Rivera†	Masson
Liu, Sa (mentor)	Poster #1015 presented 11/19 @ 9:00-10:00am	Katelyn Emily Bottando† Grace Rentfro*	Addressing Tetrachloroethylene in an Impacted Community: Analysis of Exposure in Martinsville, IN
Loaiza Ramirez, Juan Pablo (acknowledgment)	Poster #1218 presented 11/19 @ 10:30-11:30am	Samuel Castro Martinez†	Foraging Behavior and Social Influence in Virtual Environments: A Study of Electric Vehicle Users and Charging Stations
Loeb, Chase Ja-ok (acknowledgment)	Poster #1625 presented 11/19 @ 1:30-2:30pm	Harman Kaur Dhillont† Madison Taylor Beaudry† Collin Hoffman† Rohan Suraj Desai† Aditya Sarwaikar‡ Alexander David Perry‡ Aryana Isabelle Deshpande‡ Christopher David Butler‡ Tryston Frederick Espiritu‡ Junhee Lim‡ Weijing Sebastian Chen‡ Logan Paul Hussein‡	The Emergency Access and Ground-Link Explorer (EAGLE)

Name	Presentation	Students	Title
Loeb, Chase Ja-ok (mentor)	Poster #1696 presented 11/19 @ 1:30-2:30pm	John Henry Slater† Braden Thomas Callaway* Natalia Zagata* Blake Edward Neely* Alexander Paul Kaufmann*	Autopilot Integration for Lightweight Unmanned Fixed Wing Aircraft in PURT Testing Facility
Long, Jiaxin (mentor)	Poster #1704 presented 11/19 @ 1:30-2:30pm	Elysia Marlana Uggen† Joshua Paul Kaluf‡ Shelby Sliger‡	Proximity Labeling to Identify Transient Protein Interactions with ATP-dependent Chromatin Remodeler PICKLE
Longman, Patrick (acknowledgment)	Poster #1080 presented 11/19 @ 9:00-10:00am	Maria Pundik† Chelsea Tinsley* Kendal ZaiSi Tinsley*	Design and Manufacturing of Rigid Origami Structures
Lopez, Jonathan (acknowledgment)	Poster #1276 presented 11/19 @ 10:30-11:30am	Isis Atenea Ocegueda Medina†	Amphibian biodiversity and health in Tippecanoe County
Low, Philip S (mentor)	Poster #1660 presented 11/19 @ 1:30-2:30pm	Charles W Mann† Ananyaa Chaitanya Baidur†	Treatment of Rheumatoid Arthritis using Folate-Dexamethasone Drugs
Low-Nam, Shalini T (mentor)	Poster #1603 presented 11/19 @ 1:30-2:30pm	Alex James Alonzo† Jennifer Caraballo‡	Measurement of rare phosphoinositide lipids in Ras mutant cell membranes
Lu, Chenyang (mentor)	Poster #1053 presented 11/19 @ 9:00-10:00am	Shreyes Kanumuru†	The in vitro activity of repurposed drugs against different strains of Balamuthia mandrillaris
Lu, Yung-Hsiang (mentor)	Poster #1069 presented 11/19 @ 9:00-10:00am	Vinay Sai Meda† Tanishaa Shah† Samitha Ranasinghe† Tiana Yi Jen Lin† Samantha Sudhoff†	Studying Cello Bowing Performance through a Robotic Arm and Reinforcement Learning
Lu, Yung-Hsiang (mentor)	Poster #1221 presented 11/19 @ 10:30-11:30am	Ojas Chaturvedi† Kayshav Bhardwaj† Vincent Wentao Zhao† Max Yu Zhen Chen‡ Luke Jaehyeon Choi* Parv Kumar* Minh Le Vu* Minh Binh Tran* Tri Quang Vo* Pranesh S Velmurugan* Andrew J Achkar* Bryan Christopher Yoo*	Automatic Music Transcription - AI for Music
Lu, Yung-Hsiang (mentor)	Poster #1291 presented 11/19 @ 10:30-11:30am	Ranav Sethi† Robert M Rattray† Rohit Kannan† Ping-Hung Nick Ko†	Real-Time Accompaniment for Pre-Scored Musical Practice
Lu, Yung-Hsiang (mentor)	Poster #1672 presented 11/19 @ 1:30-2:30pm	Jonathan Aimison Oppenheimer† Henry Hengyi Tsay† Lucas Tan† Thanmaya Pattanashetty† Shiva Sai Vummaji‡ Tim Nadolsky‡ Chiho Song‡ Liam Matthew Stonestreet‡ Haichang Li‡	AIM: Mus2Vid
Lu, Yung-Hsiang (mentor)	Research Talk #7013 presented 11/20 @ 10:20am	Ian Owen Ou† Julianne Quin Iaccarino† Ibrahim Issa Abdullah† Basil Khwaja† Ron K Natarajan†	Generative Models for Images and Videos

Name	Presentation	Students	Title
Lu, Yung-Hsiang (mentor)	Research Talk #7057 presented 11/20 @ 1:00pm	William P Jiang† Gurtej Singh Bagga† Trevor Mission Jut† Paige Lorenz† Shivam Hemal Trivedi‡ Shrinand Perumal‡ Aadv Reki‡	Enhancing Cello Performance through Real-Time Posture Evaluation
Lucas, Jeffrey R (mentor)	Poster #1109 presented 11/19 @ 9:00-10:00am	Bruce Daniel Ward† Rachel Pinto†	Potential Roles of Transposition in Carolina Chickadee (<i>Parus carolinensis</i>) Populations of Central Indiana
Lutz, Kurt Robert (acknowledgment)	Poster #1276 presented 11/19 @ 10:30-11:30am	Isis Atenea Ocegueda Medina†	Amphibian biodiversity and health in Tippecanoe County
Lyanda-Geller, Olga (mentor)	Poster #1621 presented 11/19 @ 1:30-2:30pm	Tishia Talia Darmawan†	Learning Russian Vocabulary through the Stories of Russian Fencers
Lyanda-Geller, Olga (mentor)	Research Talk #7015 presented 11/20 @ 10:00am	Emily Doris Gervais†	Medical Minds, Literary Voices: The Intersection of Healing and Storytelling in Russian Literature
Lyanda-Geller, Olga (mentor)	Research Talk #7039 presented 11/20 @ 12:00pm	Davyd Revenko†	Reflections of the Economic Culture in Russian literature
Lyanda-Geller, Olga (mentor)	Research Talk #7064 presented 11/20 @ 2:20pm	Madison Chloe Lee†	Innovating Against Geographical and Climate Adversity: Israel's Groundbreaking Agricultural Techniques and Technologies
Lyon, Angeline M (mentor)	Poster #1209 presented 11/19 @ 10:30-11:30am	Livia Marie Bogdan†	Investigating the GEF activity of Phospholipase Ce
Lyon, Angeline M (mentor)	Poster #1219 presented 11/19 @ 10:30-11:30am	Caroline Grace Chandler† Vincent Simon Knizka‡	Purifying a DAG Biosensor to Quantify PLC Activity at the Membrane
Ma, Alex Ruichao (mentor)	Poster #1100 presented 11/19 @ 9:00-10:00am	Dhruv Upreti†	IoT Server for Quantum Information Lab
Ma, Alex Ruichao (mentor)	Research Talk #7070 presented 11/20 @ 2:20pm	Santiago Lopez†	A Triangular Ladder of Superconducting Qubits for Quantum Simulation
Machiry, Aravind (mentor)	Poster #1297 presented 11/19 @ 10:30-11:30am	Gaurav Vermani† Ryan Alexander Kubinski†	C to Rust: Manual Conversion Methods & Standardized Dataset Creation
Machiry, Aravind (mentor)	Research Talk #7001 presented 11/20 @ 9:20am	Amar AlAzizy† Omar Faramawy Elsayed†	OSS Fuzzing
Maggart, Emma (mentor)	Poster #1450 presented 11/19 @ 12:00-1:00pm	Jolie Grace Klimczak†	The History of Bovine Tuberculosis in the United States and its Modern Day Implications
Mahurkar, Ketaki A (mentor)	Poster #1219 presented 11/19 @ 10:30-11:30am	Caroline Grace Chandler† Vincent Simon Knizka‡	Purifying a DAG Biosensor to Quantify PLC Activity at the Membrane
Makin, Maria Cristina (mentor)	Research Talk #7037 presented 11/20 @ 12:20pm	Lucy Anne Jurow† Hannah Jordan Margulis†	Understanding Tactile Sensation: Neural Mechanisms of Texture Exploration in Freely Moving Mice
Malcolm, Shandey Derisa (mentor)	Poster #1470 presented 11/19 @ 12:00-1:00pm	Caroline Rhea Packee† Emma Swanson† Avery Grace Brubaker† Evan Graham Coblentz‡	Exploring How HPV Vaccine Education Impacts Health Behaviors and Attitude on a College Campus
Maldonado Quiles, Anayra (acknowledgment)	Poster #1418 presented 11/19 @ 12:00-1:00pm	Gisselle Cordoba†	How do Latinas experience pregnancy loss? A Study Protocol
Maldonado Quiles, Anayra (acknowledgment)	Poster #1682 presented 11/19 @ 1:30-2:30pm	Alana Powell†	Sickle Cell and Family Planning: An Indiana Study Protocol
Mamun, Md Asaduz Zaman (mentor)	Poster #1309 presented 11/19 @ 10:30-11:30am	Luke Joseph Fortner†	Reliability of Plastic Encapsulated Microelectronics in the near Earth Radiation Environment
Mansson, Jan-Anders E (mentor)	Poster #1064 presented 11/19 @ 9:00-10:00am	Santino Basilio Macaggi†	Heart Rate Textile Sensing Project
Mantzicopoulos-James, Panayota Y (mentor)	Poster #1041 presented 11/19 @ 9:00-10:00am	Philip Edward Godette†	Effects of Sleeping Habits in Liberal Arts Students
Mantzicopoulos-James, Panayota Y (mentor)	Poster #1049 presented 11/19 @ 9:00-10:00am	Amanda Nicole Ibarra†	The Unspoken Barriers of Immigrant Students in America

Name	Presentation	Students	Title
Mantzicopoulos-James, Panayota Y (mentor)	Poster #1103 presented 11/19 @ 9:00-10:00am	Malachi Israel Vincent [†]	Long-Term Consequences of Concussions: A Review of Electrophysiological, Neuropsychiatric, Oxygenation, and Neuroimaging Impacts
Mantzicopoulos-James, Panayota Y (mentor)	Poster #1110 presented 11/19 @ 9:00-10:00am	Emma Warnock [†]	Radical Empathy as a Framework for Teaching in Higher Education
Mantzicopoulos-James, Panayota Y (mentor)	Poster #1207 presented 11/19 @ 10:30-11:30am	Joel Nicholas Berringer [†]	The Intersection of Academics and Mental Health: A Comprehensive Model for Student Success
Mantzicopoulos-James, Panayota Y (mentor)	Poster #1212 presented 11/19 @ 10:30-11:30am	Luke Anthony Braun [†]	The Impact of Short Video Content on Teen Attention Spans: A Literature Review
Mantzicopoulos-James, Panayota Y (mentor)	Poster #1245 presented 11/19 @ 10:30-11:30am	Charlotte Marian Harkins [†]	Enhancing Academic Performance: The Role of Mental Health Resources in High Schools
Mantzicopoulos-James, Panayota Y (mentor)	Poster #1275 presented 11/19 @ 10:30-11:30am	Ogechukwu Veronica Nnatubeugo [†]	How does social media use impact perceptions of body image in male and female adolescents?
Mantzicopoulos-James, Panayota Y (mentor)	Poster #1465 presented 11/19 @ 12:00-1:00pm	Leah Margaret Miles [†] Jessica Susan Wallace [†]	Examining Stereotyping and Gender Bias in STEM fields
Mantzicopoulos-James, Panayota Y (mentor)	Poster #1504 presented 11/19 @ 12:00-1:00pm	Yage Zhang [†]	Teacher-Student Relationships, Student Support, and ELL Students' School Outcomes
Mantzicopoulos-James, Panayota Y (mentor)	Poster #1626 presented 11/19 @ 1:30-2:30pm	Sabina Kaur Dhindsa [†]	Documenting the Effectiveness of Environmental Education Lessons in Third Grade Classrooms
Mantzicopoulos-James, Panayota Y (mentor)	Poster #1683 presented 11/19 @ 1:30-2:30pm	Isyss Mystique Pranger [†]	What Motivates Undergraduate Students to Enroll in Death Education Courses?
Marconnet, Amy M (acknowledgment)	Poster #1506 presented 11/19 @ 12:00-1:00pm	Brendan Duffy [†] Hannah Y Chun* Rongkai Yu*	Micro-Precision Constitutive Characterizations of High-Temperature Solder Interconnects and Circuit Board Specimen Design for Electromigration Testing
Marconnet, Amy M (mentor)	Poster #1508 presented 11/19 @ 12:00-1:00pm	Nolan Parker Gronowski [†]	Surface Curvature Use for the Mitigation of Thermal Grease Pump-Out
Marconnet, Amy M (mentor)	Poster #1513 presented 11/19 @ 12:00-1:00pm	Lindsay Kathryn Sutherland [†]	Impact of Slot Liner Compression and Wire Geometry on the Total Thermal Resistance in the Electric Motor's Stator-Winding Assembly
Marconnet, Amy M (mentor)	Poster #1516 presented 11/19 @ 12:00-1:00pm	Noah James Willis [†]	Thermal Transport in 3D Printed Packaging Materials
Marete, Caroline Kathure (mentor)	Poster #1666 presented 11/19 @ 1:30-2:30pm	Kamanda K Mosongo [†]	Investigating Technological Solutions for Environmental Challenges and Sustainable Development in Airports
Marlin, Makayla Nicole (acknowledgment)	Poster #1468 presented 11/19 @ 12:00-1:00pm	Iris Georgina Ocegueda Medina [†]	Determining mechanisms that underly Alzheimer's Disease induced changes in circadian behavior
Marshall, Curtis Earl (mentor)	Research Talk #7061 presented 11/20 @ 2:20pm	Christine Elizabeth Mayo [†] Adalene Noel Stangeland [†] Meggie Faye Khantsis [†] Megan Leanne Painter [‡] Payton Elizabeth Gault [‡]	Modeling The Racehorse Airway
Marshall, Curtis Earl (mentor)	Virtual #9017 presented 11/19-11/26 virtually	Zelin Li [†]	Firmware Development for Advanced Motor Control and Communication in Luna Robotic Systems
Martinez, Ramses (mentor)	Research Talk #7088 presented 11/20 @ 4:20pm	Alberto Minaya Lopez [†]	Enhancing Workforce Development through Virtual Reality and Digital Twin Integration
Martinez Cruz, Eliazar Andonie (acknowledgment)	Poster #1104 presented 11/19 @ 9:00-10:00am	Amber Voigtschild [†]	The Influence of Roots and Rhizosphere on Phosphorus Cycling in Corn-Soy Rotations Managed with Low Phosphorus Inputs
Masdari, Mobina (mentor)	Poster #1427 presented 11/19 @ 12:00-1:00pm	Keeley Vonne Farmer [†]	Investigation, optimization and application of MIP-based PFAS sensing across sample matrices
Matosevic, Sandro (mentor)	Poster #1274 presented 11/19 @ 10:30-11:30am	Khanh Ha Nguyen [†]	Engineering of K562 Feeder Cells for NK Cell Expansion

Name	Presentation	Students	Title
Mayhook, Zoeanna (mentor)	Research Talk #7067 presented 11/20 @ 2:20pm	Christopher Alexandre Ghita†	The Impact of Finance Case Competitions on Undergraduate Learning and Professional Skill Building
McClymont, Malcolm Lloyd Seib (mentor)	Poster #1707 presented 11/19 @ 1:30-2:30pm	Charles James Wagnert† Vinay Pundith†	Accelerated Matrix Processor - Systolic Array
Mena, Anthony Gabriel (mentor)	Poster #1233 presented 11/19 @ 10:30-11:30am	Aiden Michael Fernandes† Erwin Trong Luu†	Development of Robust Precision Molecular Cages
Menon, Aishwarya Vijayan (mentor)	Poster #1270 presented 11/19 @ 10:30-11:30am	Ivan Mateo Meneses Rivera†	Masson
Menon, Vinay K (mentor)	Poster #1603 presented 11/19 @ 1:30-2:30pm	Alex James Alonzo† Jennifer Caraballo‡	Measurement of rare phosphoinositide lipids in Ras mutant cell membranes
Mentzer, Nathan (mentor)	Poster #1417 presented 11/19 @ 12:00-1:00pm	Amiah Bailey Clevenger†	Integration of Learning by Evaluating (LbE) within the 5E Instructional Model in Engineering Design Education
Mesa Agudelo, Juan Camilo (mentor)	Poster #1011 presented 11/19 @ 9:00-10:00am	Cristian Marcos Barinaga†	Analog Neural Network Architecture (ANNA)
Mesa Agudelo, Juan Camilo (acknowledgment)	Poster #1238 presented 11/19 @ 10:30-11:30am	Angelica Sofia Gonzalez-Ng† Maria Macias‡ Tatiana Zuluaga Vargas*	Investigating Breast Cancer Cell Response in Relation with Different Lung Respiration Rates Using a High-Throughput Magnetic Actuation Platform
Met Hoxha, Erisa (acknowledgment)	Poster #1453 presented 11/19 @ 12:00-1:00pm	Linnaea Eileen Krupke†	Effects of PCOS on Cognitive Function
Metskas, Lauren Ann (mentor)	Poster #1662 presented 11/19 @ 1:30-2:30pm	Anika Mathurt† Jiwon Seo† Samskrithi Sivakumar† Charles Chen† Sein Kim†	Study on Methods for Object Detection within Cryo-Em Dataset
Metzger, Brian Patrick Ha (mentor)	Poster #1642 presented 11/19 @ 1:30-2:30pm	Rachel Marie Isaac†	Phylogenetic Reconstruction of Tyrosine Kinase Evolution
Meyers, Brett A (mentor)	Poster #1662 presented 11/19 @ 1:30-2:30pm	Anika Mathurt† Jiwon Seo† Samskrithi Sivakumar† Charles Chen† Sein Kim†	Study on Methods for Object Detection within Cryo-Em Dataset
Meyers, Brett A (acknowledgment)	Research Talk #7080 presented 11/20 @ 3:40pm	Brianna Nicole Lewis†	Assessment of Echocardiographic Biomarkers for the Prognosis of Cardiac Dysfunction in Sepsis
Meza Galvan, Jesus Adrian (mentor)	Poster #1014 presented 11/19 @ 9:00-10:00am	Cole Emerson Blocher† Elian David Coyotl Garcia† Chanwoo Lim† Cassius Samuel Sampson† Ria Sinha†	FEMTA Suborbital Environment Testing
Meza Galvan, Jesus Adrian (mentor)	Poster #1633 presented 11/19 @ 1:30-2:30pm	Mahineer Ghosh† Varun Rajesh† Makeda Teshome Duey† Ansh Alpesh Kothari†	Avionics Software Development for the FEMTA Suborbital Flight Experiment
Miao, Jinmin (mentor)	Poster #1261 presented 11/19 @ 10:30-11:30am	Ray Wai-Keung Lai†	Discovery and Synthesis of the First-in class SHP1 Covalent Inhibitor for Cancer Immunotherapy
Miao, Zichen (mentor)	Poster #1201 presented 11/19 @ 10:30-11:30am	Colby Ben Acton† Gaetano Antonio Iannotta† Aditi Anand† Branton Ling‡ Evan Alexander Zhang‡ Gaurish Lakhanpal‡ Michael Suo‡ Apostolos Adam Cavounis‡ Purav Matlia‡ Rohini Pillai‡ Ruhaan Batta‡ Samarth Prashanth‡ Shih-Yao Sun‡	Mini Tutor Through Retrieval-Augmented Generation

Students' Role Notations: †Presenting Author, ‡Contributing Author, *Acknowledgment

Name	Presentation	Students	Title
Michalski, Greg M (mentor)	Poster #1205 presented 11/19 @ 10:30-11:30am	Catalina Bautista Parra†	Geochemical Analysis of Hyper-arid Soils in Pampas de la Joya, Peru: Insights into Mars Analog Environments
Michalski, Greg M (mentor)	Poster #1282 presented 11/19 @ 10:30-11:30am	Ana Carolina Ramirez Gonzalez†	Simulation of Nitrogen Oxides and Isotopic Partitioning Using iNAQChem-KMT in a Box Model Framework
Michalski, Greg M (mentor)	Research Talk #7021 presented 11/20 @ 10:00am	Jasmine Alayna Lockett†	The Chemical Makeup of Cloud Condensation Nuclei found in Stratocumulus Clouds along Coastal Peru
Milislavjevic, Danny (mentor)	Research Talk #7033 presented 11/20 @ 11:00am	Grace Katz†	Mapping Chemical Abundances of the Supernova Remnant Cassiopeia A with the James Webb Space Telescope
Milliron, Heather R (mentor)	Poster #1665 presented 11/19 @ 1:30-2:30pm	Ashley Zaira Mohammed†	Role of beneficial fungi on polyphenol content and antioxidant activity of potato tubers
Milne, William (acknowledgment)	Poster #1225 presented 11/19 @ 10:30-11:30am	William Rowan Cunningham† Kathy Niu†	Supervisor for Embedded Systems
Min, Byung-Cheol (mentor)	Research Talk #7044 presented 11/20 @ 12:40pm	Arjun Sandeep Gupte†	REBEL: Rule-based and Experience-enhanced Learning with LLMs for Initial Task Allocation in Multi-Human Multi-Robot Teams
Mitra, Shailee (acknowledgment)	Research Talk #7080 presented 11/20 @ 3:40pm	Brianna Nicole Lewis†	Assessment of Echocardiographic Biomarkers for the Prognosis of Cardiac Dysfunction in Sepsis
Modali, Sashank (mentor)	Poster #1497 presented 11/19 @ 12:00-1:00pm	Benjamin Thomas Sykes† Rohin Rajesh Nair† Emily Song† Aroldo Fernando Lugo Quintanilla† Alexander Popescu† Shreya Shrikrushna Pulujkar†	Integration of Autonomous Racing Systems
Mohallem Ferreira, Rodrigo (acknowledgment)	Poster #1624 presented 11/19 @ 1:30-2:30pm	Aryaman Dewan† Malyka Ram† Priyanshu Datta Roy† Rishabh Kottakota*	Lipidomic Analysis of Crocosphaera subtropica ATCC 51142 Under Diurnal Light-Dark Cycle and Nitrogen Conditions
Mohallem Ferreira, Rodrigo (acknowledgment)	Research Talk #7069 presented 11/20 @ 2:00pm	Rishabh Kottakota† Aryaman Dewan* Malyka Ram* Priyanshu Datta Roy*	Glycoprotein Analysis of Aged Mice Brain Proteome
Mohammad, Sana Anum (acknowledgment)	Poster #1446 presented 11/19 @ 12:00-1:00pm	Colin Francis Kelly†	Cash Crops and Pathogens: How historical examples can inform the fight against tar spot in cornfields
Mohammadi, Saeed (mentor)	Poster #1025 presented 11/19 @ 9:00-10:00am	Chengyu Chiu† Pin-Chen Su† Yoshiki Takeuchi† Qiming Chai†	Methods for securing commercial dies into silicon substrates as heterogenous integration in low earth orbit applications
Mohammadi, Saeed (mentor)	Poster #1250 presented 11/19 @ 10:30-11:30am	Cho-Yi Hsieh† Ho Jun Lee† Cecilie Reingaard Wiuff† Aidan Iachini Broy† Jou-Ting Lai†	VIP Advanced Packaging Glass Substrate for Photonics and RF Applications
Mohammadi, Saeed (mentor)	Poster #1310 presented 11/19 @ 10:30-11:30am	Siddharth Gaur† Franco Harding Garcia†	Laser-Assisted Heterogeneous Integration of Optical Waveguides in Glass Substrate
Mohammadi, Saeed (mentor)	Poster #1316 presented 11/19 @ 10:30-11:30am	Ethan Xinghan Tan†	Heterogeneous Integration of 5G Receivers Using SAWLIT Chiplet Technology: Antenna Design and Impedance Matching on Glass Substrates
Mohammadi, Saeed (mentor)	Poster #1502 presented 11/19 @ 12:00-1:00pm	Yun-Jen Wu† Isabel Alejandra Arias Zambrano† Jenna Marie Marquette† Jack Valenti† Henry Qin†	Aluminum Nitride Interposer for Enhanced Heat Dissipation

Name	Presentation	Students	Title
Mohammadi, Saeed (mentor)	Poster #1656 presented 11/19 @ 1:30-2:30pm	Kyung Jun Lee† Chun-Kang Huang† Daeun Kim† Tzu-Yun Liu†	Heterogeneously Integrated low earth orbit sensor using polyethylene terephthalate (PET)
Moloney, Niall Patrick (mentor)	Poster #1020 presented 11/19 @ 9:00-10:00am	Ethan Joseph Chace† Yuet Ching Jolie Lai† Kailey Christina Dvorak† Marvel Jiaxiang Zheng†	The Process of Designing and Creating of an Aerial Robot
Moloney, Niall Patrick (mentor)	Poster #1091 presented 11/19 @ 9:00-10:00am	Nora Jacques Siri† Andrew Earl Medlyn† Joseph Talon Vesco† Muhammad Rifqi Priatama Sambodo† Albertus Magnus Ethanael Nusawardhana* Dylan Richard McCool* Brandon William Davis* Nathan Jaekun Lee*	Purdue Aerial Robotics Team's Research and Development Mechanisms Devision
Moloney, Niall Patrick (mentor)	Poster #1224 presented 11/19 @ 10:30-11:30am	Easton Ludeman Clark† Aidan P Pender† Anshuman Samanta†	Purdue Aerial Robotics Team - Mechanisms
Moloney, Niall Patrick (mentor)	Poster #1488 presented 11/19 @ 12:00-1:00pm	Tamir Sklansky† Timber Michael Bionda† Elijah Temesgen Ponds† Ron Cheng Xuan Chay† Robert Henry Walch†	R&D Airframe Abstract
Moloney, Niall Patrick (mentor)	Research Talk #7084 presented 11/20 @ 4:00pm	Doha Bahaa Eldin Hafez† Parker Steven Hitchcock† Hasan Sultan†	Purdue Aerial Robotics Team (PART) - R&D Division - Avionics - AUGUST
Moncada, Edward David (mentor)	Research Talk #7028 presented 11/20 @ 11:20am	Johanna Marie Hicks†	Polyphenol and polysaccharide interactions in whole food matrices - Role in starch digestion
Monsivais, Humberto (acknowledgment)	Poster #1445 presented 11/19 @ 12:00-1:00pm	Roma Nandan Kamat†	Effects of FMR1 premutation status on neural measures of executive function and cerebellar GABA
Montrose, Jacob Robert (mentor)	Poster #1269 presented 11/19 @ 10:30-11:30am	Stan Melkumian†	Design, Fabrication, and Testing of Carbon Fiber Bridges
Montrose, Jacob Robert (mentor)	Poster #1675 presented 11/19 @ 1:30-2:30pm	Paul Kyu-Hwan Park† Caden Cole Cowles‡	Investigation of Adhesive Joints in Printed Autoclave Tooling
Moore, Jonathan P (acknowledgment)	Poster #1505 presented 11/19 @ 12:00-1:00pm	Francille Zhuang†	Photomechanical Materials Research in Printmaking & Letterpress
Mudiyanselage, Srilani Wickramasinghe Wickramasi (acknowledgment)	Research Talk #7082 presented 11/20 @ 3:20pm	Diana Lucia Pinto Montes† Destin Javai Gentillon‡	Design of a Bromide Ion-Exchange Column for Application in Low-Bromide Waters
Mukadam, Mrudula (mentor)	Poster #1467 presented 11/19 @ 12:00-1:00pm	Ishita Mukadam†	A Novel Early-Warning System for Wound Infection Detection: Harnessing the pH-Sensitive and Antibacterial Properties of Curcuma Longa
Mukherjee, Indranil Arun (mentor)	Poster #1501 presented 11/19 @ 12:00-1:00pm	Gwyneth Wong†	Impact of Novel Type V-A Anti-CRISPR on Plasmid Topology & Cas12a Cleavage In-Vitro to Elucidate Mechanism of CRISPR-Cas12a Inhibition
Murphy, Anthony Joseph (mentor)	Poster #1102 presented 11/19 @ 9:00-10:00am	Paula Andrea Vargas Carranza†	Role of Endothelial to Mesenchymal Transition (EndMT) in Aggressive Vascular Tumors

Name	Presentation	Students	Title
Murray, Renee (mentor)	Poster #1416 presented 11/19 @ 12:00-1:00pm	Arunima Chowdhury† Marisa Jean Fredrickson† Aryan Kaul† Amber Kuoiva Khauv† Hridhay Monangi† Dean Snyder† Sophia Elizabeth Steele† Taryn Celia Zakrzewski† Matthew Dharma Kurniawan† Mark Alexander Myers‡ Aaron Parihar‡ Kyle Patrick Fox‡ Daitian Zhao‡	Machine Learning In Motion
Nalesnik, Allison Macrae (acknowledgment)	Poster #1458 presented 11/19 @ 12:00-1:00pm	Alberto Lopez Martinez Rojas† Anna Alysse Kavanaugh†	Evolutionary and demographic rescue of <i>Daphnia pulex</i>
Nanda, Gaurav (mentor)	Poster #1405 presented 11/19 @ 12:00-1:00pm	Nihar Pushkar Atri†	Leveraging City Conversations to Understand Public Opinion Towards Renewable Energy Initiatives
Narvaez Davila, Keyshla M (mentor)	Research Talk #7040 presented 11/20 @ 12:20pm	Hayley Kristen Wong Liong† Athanasios Gregory Flessas†	Ensuring Consumer Safety by Analyzing the Impact of Fluctuating Temperatures on STEC
Narvaez Davila, Keyshla M (mentor)	Research Talk #7051 presented 11/20 @ 1:00pm	Carson William Rockwell† Bailey Jean Williams†	The Consequence of Temperature Variance During Transportation on Salmonella: Impact on Food Safety
Nelson, Cole Aaron (mentor)	Poster #1055 presented 11/19 @ 9:00-10:00am	Puthimet Kitjaruwankul† Chewon Yu Park† Shrienidhi Gopalakrishnan†	L2 victim cache memory for RISC-V microprocessor with prefetching
Nelson, Cole Aaron (mentor)	Poster #1061 presented 11/19 @ 9:00-10:00am	Michael Li† Yash Singh†	UART Communication for System on Chip
Nelson, Cole Aaron (mentor)	Poster #1090 presented 11/19 @ 9:00-10:00am	Devin Singh† Vidisha Singhal† Michael Jeffery Dick† Luca Renato Simoni† Andrew Michael Lykken†	Designing a Chiplet Communication Protocol for Post-Tapeout Heterogeneous Integration
Nelson, Cole Aaron (mentor)	Poster #1098 presented 11/19 @ 9:00-10:00am	Eduard Filip Tanase† Aiden Hughes Sexton† Alexander Thomas Aylward† Cecilie Zhang† Alexander Raffaele Ciccarelli† Khanh Nam Nguyen†	A Standard C Library Implementation on an In-House Designed RISC-V Microcontroller
Nelson, Cole Aaron (mentor)	Poster #1225 presented 11/19 @ 10:30-11:30am	William Rowan Cunningham† Kathy Niu†	Supervisor for Embedded Systems
Nelson, Cole Aaron (mentor)	Poster #1414 presented 11/19 @ 12:00-1:00pm	Aniket Chatterjee†	Implementation of Zcmt extension in a RISC-V processor
Nelson, Cole Aaron (mentor)	Poster #1503 presented 11/19 @ 12:00-1:00pm	Yilin Xu† Eshan Mathur† Atharva Umesh Bhide† Armaan Kanchan†	SoCET QSPI Validation Process
Nelson, Cole Aaron (mentor)	Poster #1691 presented 11/19 @ 1:30-2:30pm	Justin Sanchez† Duc Pham Minh† Jain Iftesam† Saandiyaa KPS Mohan†	Floating Point Unit on RISC-V
Nelson, Cole Aaron (mentor)	Research Talk #7060 presented 11/20 @ 2:00pm	Aishwarya Saikrupa Anand† Andy Hanjun Hu† Mary Francis† Dhruv Roopchand Khatri*	Improving Branch Prediction Accuracy and Benchmarking for a RISC-V Based Microcontroller
Nelson, Cole Aaron (mentor)	Virtual #9024 presented 11/19-11/26 virtually	Dev M Patel† Tri Than† Medha Mahesh Shinde† Benjamin Aaron McDowell†	Inter-Integrated Circuit bus for System on Chip AFTx07
Nemali, Krishna (mentor)	Poster #1034 presented 11/19 @ 9:00-10:00am	Hanna Joy Dykema†	Comparing Plant Yield Between Pulse Width Modulation and LED Lights

Name	Presentation	Students	Title
Neo, Wei Siong (mentor)	Poster #1295 presented 11/19 @ 10:30-11:30am	Elizabeth Sollert [†] Priscilla Amaya Gallardo [†]	Association Between Hyporesponsiveness and Engagement during Parent-Child Interactions across Children with and without Neurogenetic Syndromes
Newell, Brittany A (mentor)	Poster #1437 presented 11/19 @ 12:00-1:00pm	Bennett Michael Hanan [†] Margulan Mukhametkarim [†] Benjamin Harris Ciliberto [†] Ridge McCain Blankenship [†] Alexander T Valdes [‡] Nicholas Keir Wade [‡] Andrew Joseph Shelley [‡] Alexander Kmetko [‡] Liam M Mccormack [‡]	Naval Surface Warfare Center Artificial Intelligence Maritime Maneuvering Challenge
Nguyen, Minh Nam hoang (mentor)	Poster #1651 presented 11/19 @ 1:30-2:30pm	Seeun Kim [†]	ECE270 Expander
Nicholls, Conrrad Makea Rupe (mentor)	Poster #1000 presented 11/19 @ 9:00-10:00am	Magdalena Irene Alvis [†] McLayne Houin [‡] Ian Alford [‡]	Developing a Dengue Antiviral
Nieforth, Leanne (mentor)	Poster #1425 presented 11/19 @ 12:00-1:00pm	Tatum Reese Ebbeskotte [†] Sophie Kaitlyn Stahl [*]	'By veterans, for veterans': Qualitative impacts of an equine-assisted learning program for veterans and their families
Nieforth, Leanne (mentor)	Poster #1479 presented 11/19 @ 12:00-1:00pm	Braxton J Schieler [†]	Demands and resources of a long-standing bring-your-pet-to-work-program: A constant comparative analysis
Nieforth, Leanne (mentor)	Poster #1610 presented 11/19 @ 1:30-2:30pm	Caleb Buening [†]	Hope through horses: equine-assisted learning for veterans with post-traumatic stress disorder
Nieforth, Leanne (mentor)	Research Talk #7089 presented 11/20 @ 4:00pm	Sophie Kaitlyn Stahl [†] Braxton J Schieler [*]	Pets in the office: A systematic review and pilot study examining pets in the workplace
Nielsen, Jeffery J H (mentor)	Poster #1000 presented 11/19 @ 9:00-10:00am	Magdalena Irene Alvis [†] McLayne Houin [‡] Ian Alford [‡]	Developing a Dengue Antiviral
Nolte, David D (mentor)	Poster #1239 presented 11/19 @ 10:30-11:30am	Gabriel Goodwin [†]	Fresnel Biprism Common-path Low-coherence Digital Holography for Dynamic Light Scattering Spectroscopy of Biological Materials
Norris, Megan Nicole (mentor)	Research Talk #7008 presented 11/20 @ 9:40am	Kendal Nicole Clay [†]	Children's Attribution of Blame Towards Low-Status Peer Groups
Nortz, Samuel Patrick (acknowledgment)	Poster #1026 presented 11/19 @ 9:00-10:00am	Yashvi Choudhary [†] Sadie A Poirier [‡]	Impact of Silver Ion Leakage from Electrochemical Sensors on Cell Health: A Triple Negative Breast Cancer Study
Nortz, Samuel Patrick (acknowledgment)	Poster #1475 presented 11/19 @ 12:00-1:00pm	Sadie A Poirier [†] Yashvi Choudhary [‡]	Silver leakage in Commercially-Available and Pt-Wire Tip Electrodes: An in Vitro Toxicity Study
Nossa, Gianna K (acknowledgment)	Poster #1445 presented 11/19 @ 12:00-1:00pm	Roma Nandan Kamat [†]	Effects of FMR1 premutation status on neural measures of executive function and cerebellar GABA
Oduniyi, Opeyemi Samuel (acknowledgment)	Poster #1280 presented 11/19 @ 10:30-11:30am	Katherine Alfreda Poirier [†] Lauren Elizabeth Bhat [†] Lauren Marie Schinker [‡]	Isolation of novel bacteriophage PeteJr using host Arthobacter globiformis
Oesterle, Daniel William (mentor)	Poster #1094 presented 11/19 @ 9:00-10:00am	Rebekah Marie Spieth [†] Ashlyn Nichole Ann Denny [†]	Sexual Intimate Partner Violence Victimization and Perpetration Among Couples: Examining the Moderating Effect of Trait Anger
Oesterle, Daniel William (mentor)	Poster #1430 presented 11/19 @ 12:00-1:00pm	Anaelle Gackiere [†]	Correlates of Self-Directed, Interpersonal, and Cultural Violence Among International College Students
Ogas, Joseph P (mentor)	Poster #1704 presented 11/19 @ 1:30-2:30pm	Elysia Marlena Uggen [†] Joshua Paul Kaluf [‡] Shelby Sliger [‡]	Proximity Labeling to Identify Transient Protein Interactions with ATP-dependent Chromatin Remodeler PICKLE
Ogata, Niwako (acknowledgment)	Poster #1479 presented 11/19 @ 12:00-1:00pm	Braxton J Schieler [†]	Demands and resources of a long-standing bring-your-pet-to-work-program: A constant comparative analysis

Students' Role Notations: [†]Presenting Author, [‡]Contributing Author, ^{*}Acknowledgment

Name	Presentation	Students	Title
Ogata, Niwako (acknowledgment)	Research Talk #7089 presented 11/20 @ 4:00pm	Sophie Kaitlyn Stahl† Braxton J Schieler*	Pets in the office: A systematic review and pilot study examining pets in the workplace
Ogg, James G (mentor)	Poster #1220 presented 11/19 @ 10:30-11:30am	Kevin Ming Chang† Aditya Krishnan Sivathanu† Samyukta Balaji*	Complete Online Database of Invertebrate Fossil Genera
Ogg, James G (mentor)	Poster #1609 presented 11/19 @ 1:30-2:30pm	Leyton Drew Bostre† Michael Robert Knaack† Samyukta Balaji† Aditya Krishnan Sivathanu† Kevin Ming Chang‡	Online Visualization of Earth History
Olson, Matthew (mentor)	Poster #1483 presented 11/19 @ 12:00-1:00pm	Sydney Alexandria Scozzaro†	Characterizing Gamma Delta-APC T cells involved in Colorectal Cancer (CRC) risk associated Inflammatory Bowel Disease (IBD)
Olson, Matthew (mentor)	Poster #1638 presented 11/19 @ 1:30-2:30pm	Margaret Sarah Holcomb†	Granzyme A in CD4+ and CD8+ T Cells as a Crucial Link to Gut Microbiota Interaction and Antimicrobial Regulation
Organski, Lee E (mentor)	Research Talk #7014 presented 11/20 @ 10:40am	Mathis Malaussen†	Design and Implementation of an Inductively Coupled Plasma Neutralizer for SPT-100 Hall Effect Thruster
Pammi, Rishabh (acknowledgment)	Poster #1083 presented 11/19 @ 9:00-10:00am	Lea Nikole Quiroa Lopez† Juan Pablo Melgar Feregrino†	Influence of Surface Sealing and Release Agent on Surface Characteristics of Additively Manufactured Fiber-Reinforced Thermoplastic Composite Tools
Pan, Liang (mentor)	Poster #1510 presented 11/19 @ 12:00-1:00pm	Robert Scott Richards†	Pre-processing User Interface for Package Design and Co-design of EDA Tool
Panda, Punyatoya (acknowledgment)	Poster #1624 presented 11/19 @ 1:30-2:30pm	Aryaman Dewan† Malyka Ram† Priyanshu Datta Roy† Rishabh Kottakota*	Lipidomic Analysis of Crocosphaera subtropica ATCC 51142 Under Diurnal Light-Dark Cycle and Nitrogen Conditions
Panda, Punyatoya (acknowledgment)	Research Talk #7069 presented 11/20 @ 2:00pm	Rishabh Kottakota† Aryaman Dewan* Malyka Ram* Priyanshu Datta Roy*	Glycoprotein Analysis of Aged Mice Brain Proteome
Pare, Philip Eugene (mentor)	Virtual #9000 presented 11/19-11/26 virtually	Satvika Anand Raj†	How can the Gillespie Algorithm be used to Model Disease Spread?
Park, Jae Hong (mentor)	Research Talk #7030 presented 11/20 @ 11:00am	Shane Kevin Limas†	Analysis of the heavy metals in electrodes used in manual metal arc welding and the generated fumes
Park, Jae Young (mentor)	Poster #1035 presented 11/19 @ 9:00-10:00am	Deniz Eksioglu†	Towards reliable neural stimulation using an electroplated PEDOT: PSS-coated electrode
Park, Sunghee (mentor)	Poster #1423 presented 11/19 @ 12:00-1:00pm	Abigail J Dressman†	Effects of Biomechanical and Biochemical Cues on Intestinal Organoid Growth and Morphology
Parmar, Yash Shantilal (mentor)	Poster #1017 presented 11/19 @ 9:00-10:00am	Zachary V Bryant†	Compressor Technology Development for Refrigerants <150 Global Warming Potential
Pasternak, Jonathan (mentor)	Poster #1004 presented 11/19 @ 9:00-10:00am	Lillian M Andist†	Understanding Fetal Porcine Intestinal Ontogeny and Gene Expression in Mid to Late Gestation
Pasternak, Jonathan (mentor)	Poster #1007 presented 11/19 @ 9:00-10:00am	Megan Grace Ashby† Evan James Campbell* Delaney Alexandra Doncer*	Regulation of Fetal Growth in Swine Via Insulin-Like Growth Factor
Pasternak, Jonathan (mentor)	Poster #1229 presented 11/19 @ 10:30-11:30am	Delaney Alexandra Doncer†	Effect of Intrauterine Growth Restriction on the Expression of the Solute Carrier 2A Family Across Three Fetal Tissues
Pasternak, Jonathan (mentor)	Poster #1413 presented 11/19 @ 12:00-1:00pm	Evan James Campbell† Delaney Alexandra Doncer* Megan Grace Ashby*	Investigating the Role of Genes Regulating Cell-Cycle Progression on Intrauterine Growth Restriction
Pastor, Philippe (mentor)	Poster #1112 presented 11/19 @ 9:00-10:00am	Radman Tor Zarbock†	Application of Reinforcement Learning to Precision Aerial Delivery System Control in Adverse Wind Conditions

Name	Presentation	Students	Title
Patange, Chaitanya Rajesh (acknowledgment)	Poster #1422 presented 11/19 @ 12:00-1:00pm	Dhruv Vishal Dhawan†	Dedupr: Streamlining Citation Deduplication for Systematic Reviews
Patel, Devang Atul (mentor)	Poster #1600 presented 11/19 @ 1:30-2:30pm	Jessica Josephine Adams† Charis Abigail Armstrong† Camden Jeffrey Love†	Exploring the Interplay Between Teamwork and Intercultural Competence in STEM Education
Paul, Saptarshi (mentor)	Poster #1045 presented 11/19 @ 9:00-10:00am	Michael Louis Harrigan†	Distinguishing Electrodeposition from Electroprecipitation at the Nanoscale: A Focus on Individual Nanoparticles
Pavlishchuk, Anna (mentor)	Poster #1614 presented 11/19 @ 1:30-2:30pm	Wyatt Tristan Carter†	The Assembly of Modified Coiled-Coil Peptides into Nanotubes with Encapsulated Cargo
Peng, Huiyun (mentor)	Poster #1421 presented 11/19 @ 12:00-1:00pm	Leo Deng† Chien Chou Ho† Rishi Mantri† Arjun Sandeep Gupte†	Large Language Models for Energy Efficient Code: Emerging Results and Future Directions
Pereira, Nielsen (mentor)	Poster #1500 presented 11/19 @ 12:00-1:00pm	Jack William Ev Weston†	Influence of Various Social Relationships on Gifted Adolescents' Academic Interests: A Qualitative Study
Perez Cortes, Santa Lucia (mentor)	Poster #1492 presented 11/19 @ 12:00-1:00pm	Christina Michelle Sowinski†	Mapping and Quantifying Surface Textures across the Medusae Fossae Formation, Mars
Pfeffer, Claire M (mentor)	Poster #1647 presented 11/19 @ 1:30-2:30pm	Emma Frances Kay† Ella Rose Deanne Chianis‡	Utilizing an Inducible System to Determine the Role of PP2A-B56a Activation in PDAC
Pfeffer, Claire M (mentor)	Research Talk #7045 presented 11/20 @ 12:00pm	Ella Rose Deanne Chianis†	Differential responses to PP2A activation are influenced by AREG signaling
Pfeffer, Claire M (mentor)	Research Talk #7059 presented 11/20 @ 1:40pm	Indiraa Doraivel†	Investigating the role of PP2A-B56a in the Autophagy pathway in Pancreatic Cancer
Phillips, Bethany Ana (mentor)	Poster #1226 presented 11/19 @ 10:30-11:30am	Ronald Anton Cutler†	Measuring the Reaction Kinetics of Iron and Nickel Centered Metal Complexes
Pierce, Brianna (mentor)	Research Talk #7075 presented 11/20 @ 3:00pm	Natalie Christine Smith†	Placental Phenotype in Leukoencephalopathy with Calcifications and Cysts
Pikes, Tyler Renee (mentor)	Poster #1037 presented 11/19 @ 9:00-10:00am	Elizabeth Christine Farrell†	MicroRNA-31 Regulates Neutrophil Migration and Activation
Piltan, Samira (mentor)	Poster #1101 presented 11/19 @ 9:00-10:00am	Daniel Urdaneta Giraldo†	Role of Cancer-Derived Extracellular Vesicles and Oncogenic miRNAs in Promoting Invasive Phenotypes in Lung Cancer
Piltan, Samira (mentor)	Poster #1471 presented 11/19 @ 12:00-1:00pm	Aadya Pandey†	Mechanisms of miRNA Packaging into EVs in Non-Small Cell Lung Cancer
Pluta, Scott R (mentor)	Poster #1435 presented 11/19 @ 12:00-1:00pm	Saloni Gupte†	Goal-directed sequence discrimination behavior in mice
Polin, Abigail (mentor)	Poster #1039 presented 11/19 @ 9:00-10:00am	Roy Michael Galazka†	Extracting supernova explosion anisotropies in the power spectra of the type Ia supernova remnant SN 1006 at late times
Polin, Abigail (mentor)	Poster #1075 presented 11/19 @ 9:00-10:00am	Owen T Odney†	Application of Abundance Tomography to Anomalous Type Ia Supernova Events
Polin, Abigail (mentor)	Poster #1646 presented 11/19 @ 1:30-2:30pm	Akshith Karri†	Spectral Analysis of Type Ia Nebular Supernovae
Ponnusamy, Madhumathi (mentor)	Poster #1405 presented 11/19 @ 12:00-1:00pm	Nihar Pushkar Atri†	Leveraging City Conversations to Understand Public Opinion Towards Renewable Energy Initiatives
Poore, Tyler (mentor)	Poster #1013 presented 11/19 @ 9:00-10:00am	Dishan Bhattacharya†	Utilizing Base Machine Learning Models to Determine Key Factors of Success for Indian Tech Startups
Porterfield, D. Marshall (mentor)	Poster #1491 presented 11/19 @ 12:00-1:00pm	Anna Marie Sorg†	Characterization of Ceramic Interfaces in Mycoconics™: Optimizing Fungal Growth for Space Applications
Pradhan, Romila (mentor)	Poster #1051 presented 11/19 @ 9:00-10:00am	Animesh Divekar Joshi†	Debugging Machine Learning Pipelines for Model Fairness
Prete, Frederick (mentor)	Poster #1462 presented 11/19 @ 12:00-1:00pm	Hannah Jordan Margulis†	Enhancing Obstacle Detection in Mobility Canes Through Haptic Feedback and Relative Positioning

Name	Presentation	Students	Title
Pugia, Steven M (mentor)	Poster #1014 presented 11/19 @ 9:00-10:00am	Cole Emerson Blocher† Elian David Coyotl Garcia† Chanwoo Lim† Cassius Samuel Sampson† Ria Sinha†	FEMTA Suborbital Environment Testing
Pugia, Steven M (mentor)	Poster #1477 presented 11/19 @ 12:00-1:00pm	Sudarmadhi Rabindran†	Simulating Laser-Based CubeSat Communication: The IRIS-Comm Mission
Pugia, Steven M (mentor)	Poster #1633 presented 11/19 @ 1:30-2:30pm	Mahineer Ghosh† Varun Rajesh† Makeda Teshome Duey† Ansh Alpesh Kothari†	Avionics Software Development for the FEMTA Suborbital Flight Experiment
Purpura, David J (mentor)	Research Talk #7020 presented 11/20 @ 10:40am	Aakanksha Amol Shripal† Son Ha† Akhil Sagarán Kasturi‡ Akshitha Kartigueyan‡ Aarohi Panzade‡	Child Automated Speech-To-Text (CAST) - Enhancing Child Speech Comprehensibility with Machine Learning
Qazi, Taimoor Hasan (mentor)	Poster #1620 presented 11/19 @ 1:30-2:30pm	Ashton Isaiah Cotton†	Simulating Granular Materials to Characterize the Effect of Particle Shape on Pore Interconnectivity and Mass Transport
Qiu, Qiang (mentor)	Poster #1201 presented 11/19 @ 10:30-11:30am	Colby Ben Acton† Gaetano Antonio Iannotta† Aditi Anand† Branton Ling‡ Evan Alexander Zhang‡ Gaurish Lakhnpal‡ Michael Suo‡ Apostolos Adam Cavounis‡ Purav Matlia‡ Rohini Pillai‡ Ruhaan Batta‡ Samarth Prashanth‡ Shih-Yao Sun‡	Mini Tutor Through Retrieval-Augmented Generation
Radhakrishnan, Arvind Krishna (mentor)	Poster #1439 presented 11/19 @ 12:00-1:00pm	Nolan Lee Hardman† Jacob Henry Rikkola† Adrienne Dale Torres Balahadia† Bader Emad Abu-Shanab† Zilan Patel† James M Scanlan† Aaditi Anupam Vaval†	VIP - Organoid On Chip
Radhakrishnan, Arvind Krishna (mentor)	Virtual #9030 presented 11/19-11/26 virtually	Eric Chase Williams† Michael Brayden Hudson† Jacob Tyler Rent† Tsz Pui Jiang† YuKuan Lu†	SoCet ViP 17911
Raghunathan, Anand (mentor)	Poster #1701 presented 11/19 @ 1:30-2:30pm	Nick Taha† Rishikesh Reddy Bathina† Pierce Yungjoon Johnson† Argha Badhon Saha†	Accelerated Matrix Processor - Scheduler Core
Raghunathan, Anand (mentor)	Poster #1706 presented 11/19 @ 1:30-2:30pm	Pranav Wadhwa† Kevin Luke Philips†	Accelerated Matrix Processor - Software/ISA
Raghunathan, Anand (mentor)	Poster #1707 presented 11/19 @ 1:30-2:30pm	Charles James Wagner† Vinay Pundith†	Accelerated Matrix Processor - Systolic Array
Raghunathan, Anand (mentor)	Poster #1712 presented 11/19 @ 1:30-2:30pm	William Wong† varun Vaidyanathan† Yue Yin†	Accelerated Matrix Processor - Memory Subsystem
Rahimi, Rahim (mentor)	Poster #1502 presented 11/19 @ 12:00-1:00pm	Yun-Jen Wu† Isabel Alejandra Arias Zambrano† Jenna Marie Marquette† Jack Valenti† Henry Qin†	Aluminum Nitride Interposer for Enhanced Heat Dissipation

Name	Presentation	Students	Title
Rahman, Md Ashiqur (mentor)	Research Talk #7072 presented 11/20 @ 3:00pm	Lily Avery Waterman†	Increasing Membrane-Based Dehumidification Performance with Reduced Graphene Oxide Nanofillers
Ramos, Jakob Isaiah (mentor)	Poster #1307 presented 11/19 @ 10:30-11:30am	Caroline Marie Cameron†	Electromigration Failures in Cu-micro bumps with Sn-Ag solder caps
Ramshanker, Abinands (mentor)	Virtual #9004 presented 11/19-11/26 virtually	Zhaoru Chen† Nicholas Helushka† Seongwon Hong† Minghan Wang† Arina Harlanovich† Milen Mundackal Manoj†	Implementing DFT on a RISC-V SoC chip
Raudabaugh, Daniel B (mentor)	Poster #1235 presented 11/19 @ 10:30-11:30am	Ethan Burke Fox† Alexander Stephen Haynes†	Evaluating the Tolerance of Aquatic Fungi to Major Components of Coal Ash and Antifungal Compounds.
Raudabaugh, Daniel B (mentor)	Poster #1403 presented 11/19 @ 12:00-1:00pm	Kaitlyn Marie Annunziata†	The Effects of pH, Moisture Content, and Photoperiod on the Mycobiome of <i>Lasallia papulosa</i>
Raudabaugh, Daniel B (mentor)	Research Talk #7029 presented 11/20 @ 11:40am	Lane Bell†	Investigating Mycoparasitic Behavior of <i>Alternaria</i> on Various Species of Rust Fungi
Rausch, Steve Clayton (mentor)	Virtual #9001 presented 11/19-11/26 virtually	Elliott T Buescher† Abhijeet Vijay Mohod† Grayson Dean Gibson† Roni H Aziz† Kyston Reeve Howard†	System on Chip Embedded Technology Usage in Self Flying Drones
Rausch, Steve Clayton (mentor)	Virtual #9013 presented 11/19-11/26 virtually	Cole Allen Hufford† Madilyn Grace Shingle† Jack Brian Cramer† Alexander Marcus Krapelst† Nolan Douglas Brown†	Computational Power of Apollo Guidance Computer
Rausch, Steve Clayton (mentor)	Virtual #9020 presented 11/19-11/26 virtually	Gavin Neal Meyers† Zachary Gosnell† Rudra Vimlesh Patel† Gavin Allen Arner† Jin Park†	Manufacturing Processes used in SoCET Development
Rausch, Steve Clayton (mentor)	Virtual #9030 presented 11/19-11/26 virtually	Eric Chase Williams† Michael Brayden Hudson† Jacob Tyler Rent† Tsz Pui Jiang† YuKuan Lu†	SoCet ViP 17911
Rausch, Steve Clayton (mentor)	Virtual #9031 presented 11/19-11/26 virtually	Yutong Wu† Sayee Sabri Anand† Aditya Hegde† Hao-Chen Li†	neuralink
Reddivari, Lavanya (mentor)	Poster #1665 presented 11/19 @ 1:30-2:30pm	Ashley Zaira Mohammed†	Role of beneficial fungi on polyphenol content and antioxidant activity of potato tubers
Reddivari, Lavanya (mentor)	Research Talk #7028 presented 11/20 @ 11:20am	Johanna Marie Hicks†	Polyphenol and polysaccharide interactions in whole food matrices - Role in starch digestion
Redick, Thomas S (mentor)	Poster #1678 presented 11/19 @ 1:30-2:30pm	Mohammad Pehlari† Carly Grace Booth* Vineeth Surya Narra* Grace Maria Moorman* Lucy Pauline Murphy* Jackson Tyler Wrubel* Mary Aileen Jann*	Dissociating the Influence of Music and Video Game Experience on Visual Attention
Redick, Thomas S (mentor)	Poster #1708 presented 11/19 @ 1:30-2:30pm	Andrew Hunter Walatka† Carly Grace Booth* Mary Aileen Jann* Vineeth Surya Narra* Grace Maria Moorman* Lucy Pauline Murphy* Jackson Tyler Wrubel*	The Effect of Different Frequency Binaural Beats on Working Memory

Name	Presentation	Students	Title
Reibman, Amy R (mentor)	Poster #1022 presented 11/19 @ 9:00-10:00am	Shaan Jitesh Chanchani† Aryan Amol Khanolkart† Claire Seol Kim† Joshua C Mansky† Medhashree Parhy† Armaan Arshad Sayyad† Parth Thakre†	Studying Keypoint Estimation on In-The-Wild Antelope Data
Reimer, Torsten (mentor)	Poster #1218 presented 11/19 @ 10:30-11:30am	Samuel Castro Martinez†	Foraging Behavior and Social Influence in Virtual Environments: A Study of Electric Vehicle Users and Charging Stations
Reimer, Torsten (mentor)	Poster #1496 presented 11/19 @ 12:00-1:00pm	Meghna Swaminathan† Juan Pablo Loaiza Ramirez‡	SAI: Integrating Cognitive, Social, and Engineering Principles for Large-scale Planning of Public Charging Infrastructure
Reynolds, Jeremy E (mentor)	Research Talk #7017 presented 11/20 @ 10:40am	Julieta Claudia Aguilar†	The Risk of Harassment among Gig Workers by Race, Age, and Gender.
Rice, Christopher Aaron (mentor)	Poster #1053 presented 11/19 @ 9:00-10:00am	Shreyes Kanumuru†	The in vitro activity of repurposed drugs against different strains of Balamuthia mandrillaris
Ridgway, Kenneth D (mentor)	Poster #1644 presented 11/19 @ 1:30-2:30pm	Lauren Elizabeth Johnson† Bethany Ruth Remian‡ Nicholas Ryan Borders‡	Testing the Snowball Earth hypothesis: Is there evidence for low-latitude glaciation? Geologic analysis of the Konnarock Formation, VA
Ringenberg, Tatiana (mentor)	Poster #1685 presented 11/19 @ 1:30-2:30pm	Reeya Ramasamy†	Exploring Fantasy Enactment and Self-Disclosure Themes in Offender-to-Offender Communication: A Comparative Study of Adult and Peer-to-Peer Groomer Digital Evidence
Ristroph, Kurt (mentor)	Poster #1455 presented 11/19 @ 12:00-1:00pm	Laurian Kate Lien†	Adaxial versus Abaxial Translocation in Dicots for Organic Nanocarriers Produced via FNP
Rivera, Manuel Luis (mentor)	Research Talk #7071 presented 11/20 @ 2:40pm	Mathilda Campillo Abuchaibe†	Toric methods in bordism theory
Robinson, Payton K (acknowledgment)	Research Talk #7032 presented 11/20 @ 11:40am	Jaden Brooks† Priya Halder*	Stress-enhanced fear learning can be reduced with unconditional stimulus deflation with constraints.
Rochet, Jean-christophe (mentor)	Research Talk #7063 presented 11/20 @ 2:00pm	Jacob Gold†	Protective Effects of Polyphenols Against Alpha-Synuclein Aggregation in a Cellular PFF Model of Parkinson's Disease
Rodriguez, Natalia Maria (mentor)	Poster #1637 presented 11/19 @ 1:30-2:30pm	Abigail Marie Higgins† Arshia Bhuvana Rama† Lauren M Hopkins†	Using rapid qualitative analysis to inform a community-engaged cervical cancer screening intervention for people experiencing homelessness
Rodriguez Osorio, Jenny Alejandra (acknowledgment)	Poster #1638 presented 11/19 @ 1:30-2:30pm	Margaret Sarah Holcomb†	Granzyme A in CD4+ and CD8+ T Cells as a Crucial Link to Gut Microbiota Interaction and Antimicrobial Regulation
Rogers, Abigail Keelin (mentor)	Poster #1689 presented 11/19 @ 1:30-2:30pm	Mateus Rocha Ripari† Paula Natalia Natalia Paez Monroy† Erica Kaser* Keila Aika Keikilani Jellings* Elise Bennett*	Understanding the domains responsible for in planta localization of a Ralstonia core effector protein
Ropp, Timothy D (mentor)	Poster #1269 presented 11/19 @ 10:30-11:30am	Stan Melkumian†	Design, Fabrication, and Testing of Carbon Fiber Bridges
Rosell, Carla B (mentor)	Poster #1006 presented 11/19 @ 9:00-10:00am	Alex Jameson Appiah†	A Critique on Space Exploration in Developed Nations
Rosell, Carla B (mentor)	Poster #1024 presented 11/19 @ 9:00-10:00am	Aditya Chattopadhyay†	Facing the Future: Weighing the Use of Facial Recognition in Airport Security
Rosell, Carla B (mentor)	Poster #1030 presented 11/19 @ 9:00-10:00am	Deborah Mercylin David†	Sportswashing and its implications: The human cost of the 2022 Qatar World cup
Rosell, Carla B (mentor)	Poster #1056 presented 11/19 @ 9:00-10:00am	Koon Joseph Klieopatinon†	To what extent are sin taxes more harmful than beneficial?
Rosell, Carla B (mentor)	Poster #1057 presented 11/19 @ 9:00-10:00am	Ashwin B Kokate†	We are much further away from self-driving taxis than you think

Students' Role Notations: †Presenting Author, ‡Contributing Author, *Acknowledgment

Name	Presentation	Students	Title
Rosell, Carla B (mentor)	Poster #1085 presented 11/19 @ 9:00-10:00am	Architha Rao†	Next-Generation Stealth: Advancements in Stealth Materials and Their Impacts on Modern Defence.
Rosell, Carla B (mentor)	Poster #1088 presented 11/19 @ 9:00-10:00am	Maharsh Bhavesh Shah†	Exploring the Impact of a Progressive Wealth Tax on Income Inequality in the United States
Rosell, Carla B (mentor)	Poster #1096 presented 11/19 @ 9:00-10:00am	Nolan Cai Tai†	Causes, Effects, and Solutions of Antibiotic Resistance
Rosell, Carla B (mentor)	Poster #1204 presented 11/19 @ 10:30-11:30am	Olivia Eugenia Avalos Villar†	Wearable Technology in Sports: Balancing Performance Enhancement and Ethical Concerns
Rosell, Carla B (mentor)	Poster #1211 presented 11/19 @ 10:30-11:30am	Pranav Boyapati†	Computer Vision in Autonomous Vehicles
Rosell, Carla B (mentor)	Poster #1213 presented 11/19 @ 10:30-11:30am	Bernardo Cabral Alves da Costa†	Asteroid Mining: Technological Advancements and Global Implications
Rosell, Carla B (mentor)	Poster #1246 presented 11/19 @ 10:30-11:30am	Augustus George Hayes†	Is Polar Bear Capture and Recapture Ethical?
Rosell, Carla B (mentor)	Poster #1253 presented 11/19 @ 10:30-11:30am	Madison Sofia Kauling†	CAR T-cell Therapy Effectiveness
Rosell, Carla B (mentor)	Poster #1277 presented 11/19 @ 10:30-11:30am	Rafael Obici de Oliveira†	Bridging the Gap: Addressing Budgetary and Social Challenges in Expanding Equitable EV Charging Infrastructure
Rosell, Carla B (mentor)	Poster #1286 presented 11/19 @ 10:30-11:30am	Utkarsh Rastogi†	Assessing the Growing Threat of Space Debris and Removal Techniques
Rosell, Carla B (mentor)	Poster #1293 presented 11/19 @ 10:30-11:30am	Aarav Singh†	Incentives in Regenerative Agriculture: A Review
Rosell, Carla B (mentor)	Poster #1300 presented 11/19 @ 10:30-11:30am	Ryan Zhe-Wei Yang†	To What Extent Should Antitrust Laws Have the Power to Control Big Tech Companies?
Rosell, Carla B (mentor)	Poster #1406 presented 11/19 @ 12:00-1:00pm	Ekam Bhullar†	Entrepreneurship: An area revolutionized by AI?
Rosell, Carla B (mentor)	Poster #1420 presented 11/19 @ 12:00-1:00pm	Aryan Daga†	The Importance of Sustainable Fashion
Rosell, Carla B (mentor)	Poster #1424 presented 11/19 @ 12:00-1:00pm	Prakhar Drolia†	Establishing Viable Solutions to Electric Vehicle Battery Recycling
Rosell, Carla B (mentor)	Poster #1484 presented 11/19 @ 12:00-1:00pm	Hallie Grace Seasort†	Kidney Xenotransplantation to Combat the Organ Crisis
Rosell, Carla B (mentor)	Poster #1602 presented 11/19 @ 1:30-2:30pm	Eva Catherine Albrecht†	LGBTQ+ Community in Education: Teach Love Not Hate
Rosell, Carla B (mentor)	Poster #1605 presented 11/19 @ 1:30-2:30pm	Amartya Bagchi†	Walkable Cities: The American Dilemma – An Exploratory Study
Rosell, Carla B (mentor)	Poster #1635 presented 11/19 @ 1:30-2:30pm	Aakrit Gupta†	Bridging the Global Digital Divide: A Path Toward Inclusivity
Rosell, Carla B (mentor)	Poster #1643 presented 11/19 @ 1:30-2:30pm	Rishi Krishnan Iyer†	The Feasibility of the General Application of CRISPR Gene Editing Technology in the Treatment of Sickle Cell Disease
Rosell, Carla B (mentor)	Poster #1645 presented 11/19 @ 1:30-2:30pm	Arnav Juneja†	Electric Vehicle Charging Infrastructure Growth
Rosell, Carla B (mentor)	Poster #1677 presented 11/19 @ 1:30-2:30pm	Vishwajit Laxmanrao Patil†	From Minuscule to Monumental: Assessing Nanotechnology
Roth, Thomas Edgar (mentor)	Poster #1713 presented 11/19 @ 1:30-2:30pm	Jinhoo Yoon† Brandt David Pierce† Arnav Jadhav† Christian Scheckel† Aditya Gandhi† Tylen Sean Fleming† Nicholas James Detwiler‡ Omkar Ghodke‡ Warat Nathan Vijitbenjaronk‡ Keshav Shylesh‡ Tanvi Chukka‡ Truman Stephen Mohr‡	Progress on 3D General-Purpose Computational Quantum Electromagnetics Modeling

Name	Presentation	Students	Title
Rouhani, Seyedehmarzieh (mentor)	Research Talk #7085 presented 11/20 @ 4:20pm	Abdelrahman Osama Khalid† Kerollos Ehab Matta Yanny† Youssef Nagah Haider† Manuel Ashraf Melad Gad†	2.4 , 5 GHz Dual Band Wi-Fi RF Receiver
Rubaii, Kali (acknowledgment)	Research Talk #7019 presented 11/20 @ 10:20am	Bethany Faber†	Environmental Contamination and Birth Anomalies in Iraq
Rudd, Trexie M (acknowledgment)	Poster #1470 presented 11/19 @ 12:00-1:00pm	Caroline Rhea Packee† Emma Swanson† Avery Grace Brubaker† Evan Graham Coblentz‡	Exploring How HPV Vaccine Education Impacts Health Behaviors and Attitude on a College Campus
Ruiter, David Alan (mentor)	Poster #1655 presented 11/19 @ 1:30-2:30pm	Jordan Larson† Vitor Limas Schein† Justin Harrison Rothenberg† Tyler Mitchell† Aneesh Sai Katkam†	Reanalysis of the Higgs Boson Discovery through the 2 Electron 2 Muon Channel
Ruiter, David Alan (mentor)	Poster #1673 presented 11/19 @ 1:30-2:30pm	Cadance William Lucas Ormsby† Sri Krishna Teja Mannava† Abhiansh Parwal† Erlin Daniel Pineda Hernandez†	Big Higgs Digs Sig Figs
Ruiter, David Alan (mentor)	Poster #1699 presented 11/19 @ 1:30-2:30pm	Vincent Cody Stavig† Benjamin David Duttlinger† Julius Coleton Thomas Jodway† Hermes Heng-yu Fu†	Higgs Boson Reconstruction with CMS Data
Ruiz Castro, Angel Gabriel (mentor)	Poster #1714 presented 11/19 @ 1:30-2:30pm	Bayan Yunis†	Understanding Perceived Gender Equity in Latin American Engineering Programs
Sabirova, Ainur (acknowledgment)	Poster #1315 presented 11/19 @ 10:30-11:30am	Ian Quan†	Electrochemical Deposition Surface Enhancement for Single Phase Jet Impingement
Sahin, Burkay (mentor)	Poster #1654 presented 11/19 @ 1:30-2:30pm	Andrew James Larkins† Connor Ethan Behrend† Michael Lee†	Analyzing Hamming Weight Attacks for Cryptographic Security on SoCET's AFT
Salazar-Ospina, Andrea (mentor)	Research Talk #7053 presented 11/20 @ 1:40pm	Gabriela Espinel Charry†	Design of a curriculum proposal for the teaching of English/Spanish for pharmacy students focused on the correct use of medications and interculturality.
Samassekou, Kadidia (mentor)	Poster #1209 presented 11/19 @ 10:30-11:30am	Livia Marie Bogdan†	Investigating the GEF activity of Phospholipase Ce
Sankaranarayanan, Karthik (mentor)	Poster #1228 presented 11/19 @ 10:30-11:30am	Bianca de Paula Macedo†	Computational planning and experimental implementation of enzyme-catalyzed pathways for sustainable synthesis of target molecules
Sari, Pamela (mentor)	Poster #1478 presented 11/19 @ 12:00-1:00pm	Ana Elena Pasion Rojas†	Measuring the Effects of Cultural-Identity Audio Biography on Depression, Loneliness, and Anxiety
Sarmiento Huertas, Paula A (mentor)	Poster #1480 presented 11/19 @ 12:00-1:00pm	Sarah Schloff†	Mechanical Testing Standards for Tendon - Are they Equivalent?
Scarpelli, Matthew Louis (mentor)	Poster #1001 presented 11/19 @ 9:00-10:00am	Teagan Ames-Majeski†	Investigating Ferumoxytol Dosage Effects on Tumor Macrophage Polarization and Survival in Glioblastoma
Schellhase, Ellen M (mentor)	Research Talk #7053 presented 11/20 @ 1:40pm	Gabriela Espinel Charry†	Design of a curriculum proposal for the teaching of English/Spanish for pharmacy students focused on the correct use of medications and interculturality.
Scheuer, Jennifer (mentor)	Poster #1505 presented 11/19 @ 12:00-1:00pm	Francille Zhuang†	Photomechanical Materials Research in Printmaking & Letterpress
Schober, Jenna M (acknowledgment)	Research Talk #7041 presented 11/20 @ 12:40pm	Nina Kay Wilson†	Making a Splash: Using Mass Spectrometry to Measure Dopamine and Serotonin Turnover in Water-Enriched Pekin Duck Brains
Schulte, Jan-Frederik (mentor)	Poster #1451 presented 11/19 @ 12:00-1:00pm	Anna G. Klupshas†	Development of POTATO for 2S Module Grading for the CMS Phase-2 Outer Tracker Upgrade

Name	Presentation	Students	Title
Searle, Catherine L (mentor)	Poster #1276 presented 11/19 @ 10:30-11:30am	Isis Atenea Ocegueda Medina†	Amphibian biodiversity and health in Tippecanoe County
Seetharaman, Sivaranjani (mentor)	Research Talk #7062 presented 11/20 @ 2:40pm	Jihyo Park† Shounak Mukherjee† Alexa Joan Noto† Ankitha Mallekav† Akanksh Rao† Hsin-Wei Hsieh‡ Hyunsang Cho‡ Jaewon Cho‡	Forecasting and Optimizing EV Charging Station Demand using Traffic Patterns
Seigfried-Spellar, Kathryn (mentor)	Poster #1493 presented 11/19 @ 12:00-1:00pm	Caroline Marie Sponhauer† Brycen Jesse Baldwin†	One Offender and 500 Victims: Examining How Victim Behaviors Influence Grooming Strategies
Seigfried-Spellar, Kathryn (mentor)	Poster #1685 presented 11/19 @ 1:30-2:30pm	Reeya Ramasamy†	Exploring Fantasy Enactment and Self-Disclosure Themes in Offender-to-Offender Communication: A Comparative Study of Adult and Peer-to-Peer Groomer Digital Evidence
Seigfried-Spellar, Kathryn (mentor)	Research Talk #7068 presented 11/20 @ 2:40pm	Ashton Zachary Allent† Abhinaya Nagalla† Jordan Elizabeth Cooley† Juliana Reese St Denis† Evan Graham Coblentz‡	Designing, Implementing, and Evaluating a Sex Trafficking & Intimate Partner Violence Training Program for Licensed Salon Professionals in Indiana
Sen, Abhirup (mentor)	Poster #1267 presented 11/19 @ 10:30-11:30am	Nachiket Magesh†	Electrified Pyrolysis Approach for Lignocellulosic Biomass Upcycling
Senn, Mark (mentor)	Virtual #9004 presented 11/19-11/26 virtually	Zhaoru Chen† Nicholas Helushka† Seongwon Hong† Minghan Wang† Arina Harlanovich† Milen Mundackal Manoj†	Implementing DFT on a RISC-V SoC chip
Servaty-Seib, Heather L (mentor)	Poster #1683 presented 11/19 @ 1:30-2:30pm	Isyss Mystique Pranger†	What Motivates Undergraduate Students to Enroll in Death Education Courses?
Sfar, Bashir (acknowledgment)	Virtual #9002 presented 11/19-11/26 virtually	Enrique Camacho† Haruna Kawai† Muhammad Ameer Hamza† Andrew Lee Schlabach‡ Geetika Chitturi‡ Akshath Raghav Ravikiran‡	Design and Implementation of a Standard Cell Library Using Open-Source Tools
Shao, Kunming (mentor)	Poster #1023 presented 11/19 @ 9:00-10:00am	Maximilian Judah Chandra† Mia Iwasa*	Immortalization of murine neutrophil progenitor line through retroviral transfection with ER-HoxB8 System
Sharma, Ayushi (mentor)	Poster #1297 presented 11/19 @ 10:30-11:30am	Gaurav Vermani† Ryan Alexander Kubinski†	C to Rust: Manual Conversion Methods & Standardized Dataset Creation
Sharma, Shashank (mentor)	Poster #1297 presented 11/19 @ 10:30-11:30am	Gaurav Vermani† Ryan Alexander Kubinski†	C to Rust: Manual Conversion Methods & Standardized Dataset Creation
Shashurin, Alexey (mentor)	Poster #1477 presented 11/19 @ 12:00-1:00pm	Sudarmadhi Rabindran†	Simulating Laser-Based CubeSat Communication: The IRIS-Comm Mission
Shashurin, Alexey (mentor)	Research Talk #7014 presented 11/20 @ 10:40am	Mathis Malaussen†	Design and Implementation of an Inductively Coupled Plasma Neutralizer for SPT-100 Hall Effect Thruster
She, Yu (mentor)	Virtual #9016 presented 11/19-11/26 virtually	Zelin Li†	Exploring Robotic Manipulation: Kinematics, Control, and Reinforcement Learning in the VIP-GEAI Project

Name	Presentation	Students	Title
Sheffield, John W (mentor)	Poster #1249 presented 11/19 @ 10:30-11:30am	Brogan John-Michael Holt† Jayee Goh† Kaylie Emerson Virkust† Shashank Varamballi† Patricia Ewa Leoniuk† Olivia Chen† Gowri Ravikumar Bajagurt† Saanvi Mahesh† Marina Mercedes San Martin Rossano† Pradyumn Malik† Shrikar Hippargi† Isaac Yan Shek Cheng† Jijnasu Prakash Rout‡ Atandriela Chowdhury‡ Ashton Anthony Price‡ Joseph Chelliah‡ James Burrell Hewette‡	Lafayette CityBus Case Study on New Hydrogen Buses
Shepard, Kyle Allen (acknowledgment)	Poster #1066 presented 11/19 @ 9:00-10:00am	Kayla Elizabeth Manley† Tanvir Kaur† Madison Paige Ward† Nishtha Singh†	Modelling Thermophysical properties of Refrigerant Mixtures
Shepard, Kyle Allen (mentor)	Poster #1254 presented 11/19 @ 10:30-11:30am	Tanvir Kaur†	Chemical Reactivity of Refrigerants
Shepard, Kyle Allen (mentor)	Poster #1268 presented 11/19 @ 10:30-11:30am	Kayla Elizabeth Manley† Tanvir Kaur* Nishtha Singh* Madison Paige Ward*	Chemical Analysis of Low-GWP Refrigerants: Modeling and Characterizing Membranes
Shi, Pengyi (mentor)	Poster #1404 presented 11/19 @ 12:00-1:00pm	Yash Rajendra Ashtekar† Utkarsh Bali†	Generative AI and LLM in Healthcare Operations
Shukla, Diksha (mentor)	Research Talk #7074 presented 11/20 @ 3:40pm	Shruthika Sundar†	EEG Brain Signal Analysis for Active Authentication in Immersive Virtual Worlds
Siegmund, Thomas H (mentor)	Poster #1031 presented 11/19 @ 9:00-10:00am	Joshua Armstrong Davis†	Avian Bone Fracture Toughness
Sim, Jongkeun (acknowledgment)	Poster #1423 presented 11/19 @ 12:00-1:00pm	Abigail J Dressman†	Effects of Biomechanical and Biochemical Cues on Intestinal Organoid Growth and Morphology
Simler, Julia Ann (acknowledgment)	Poster #1097 presented 11/19 @ 9:00-10:00am	Austin Robert Tanabe† Daniel Russell Cline† Collin Jayson Kao*	Isolation and Characterization of Bacteriophage Goblin19: Expanding the Phage Database Targeting <i>Arthrobacter globiformis</i>
Simler, Julia Ann (acknowledgment)	Poster #1203 presented 11/19 @ 10:30-11:30am	Tina Atmani† Lana Malek† Xiuyu Shi†	Isolation, purification, and characterization of Bacteriophage Tiziri from <i>Arthrobacter globiformis</i>
Simler, Julia Ann (mentor)	Poster #1206 presented 11/19 @ 10:30-11:30am	Alexis Lucille Ador Bernal† Manya Devang Kadiwala†	Isolation, Extraction, and Characterization of the Novel Actinobacteriophage, Skitty, using the host <i>Arthrobacter Globiformis</i> for Potential Antimicrobial Applications
Simler, Julia Ann (mentor)	Poster #1278 presented 11/19 @ 10:30-11:30am	Mia Cynthia Pfeiffer† Anne Flynn Campbell† Collin Jayson Kao‡	Isolation and Characterization of Halloween Using <i>A. Globiformis</i> B-2979
Simler, Julia Ann (mentor)	Poster #1280 presented 11/19 @ 10:30-11:30am	Katherine Alfreda Poirier† Lauren Elizabeth Bhat† Lauren Marie Schinker‡	Isolation of novel bacteriophage PeteJr using host <i>Arthrobacter globiformis</i>
Simler, Julia Ann (mentor)	Poster #1296 presented 11/19 @ 10:30-11:30am	Sara Thomason† Zhiyuan Chen†	Discovery and characterization of <i>Arthrobacter</i> phage FrancisForever
Simler, Julia Ann (mentor)	Poster #1631 presented 11/19 @ 1:30-2:30pm	Natalia Brynn Gaffney† Leilani Grace Agngarayngay† Alexis Lucille Ador Bernal‡	Isolation of Novel Bacteriophage Natlani from <i>Arthrobacter Globiformis</i>
Singh, Richa (mentor)	Poster #1266 presented 11/19 @ 10:30-11:30am	Anna Judy Lozen†	The role of multimodal cues in the host-seeking behavior of a frog-biting mosquito, <i>Uranotaenia lowii</i>

Name	Presentation	Students	Title
Singh, Richa (mentor)	Poster #1415 presented 11/19 @ 12:00-1:00pm	Yu-Wei Cheng†	Adaptive responses of frog-biting mosquitoes to rising temperatures: A study of survival and selection
Smith, Alyssa (mentor)	Poster #1004 presented 11/19 @ 9:00-10:00am	Lillian M Andist†	Understanding Fetal Porcine Intestinal Ontogeny and Gene Expression in Mid to Late Gestation
Smith, Alyssa (mentor)	Poster #1007 presented 11/19 @ 9:00-10:00am	Megan Grace Ashby† Evan James Campbell* Delaney Alexandra Doncer*	Regulation of Fetal Growth in Swine Via Insulin-Like Growth Factor
Smith, Alyssa (mentor)	Poster #1229 presented 11/19 @ 10:30-11:30am	Delaney Alexandra Doncer†	Effect of Intrauterine Growth Restriction on the Expression of the Solute Carrier 2A Family Across Three Fetal Tissues
Smith, Alyssa (mentor)	Poster #1413 presented 11/19 @ 12:00-1:00pm	Evan James Campbell† Delaney Alexandra Doncer* Megan Grace Ashby*	Investigating the Role of Genes Regulating Cell-Cycle Progression on Intrauterine Growth Restriction
Smith, Walter J (mentor)	Poster #1514 presented 11/19 @ 12:00-1:00pm	Bradon Rowan Timms†	Photoluminescence Spectroscopy Probing Defects in Ultrathin Transition Metal Dichalcogenides (TMD)
Solorio, Luis (mentor)	Poster #1238 presented 11/19 @ 10:30-11:30am	Angelica Sofia Gonzalez-Ng† Maria Macias‡ Tatiana Zuluaga Vargas*	Investigating Breast Cancer Cell Response in Relation with Different Lung Respiration Rates Using a High-Throughput Magnetic Actuation Platform
Solorio, Luis (mentor)	Research Talk #7025 presented 11/20 @ 11:20am	Maria Macias†	A Novel Approach to Sex-Specific Responses of Enhancing Osteogenesis with a 3D-Printed Hybrid Hydrogel
Son, Sangrak (acknowledgment)	Poster #1034 presented 11/19 @ 9:00-10:00am	Hanna Joy Dykema†	Comparing Plant Yield Between Pulse Width Modulation and LED Lights
Son, Steven F (acknowledgment)	Poster #1016 presented 11/19 @ 9:00-10:00am	Catherine Therese Nicole Bradley† Gianna Marie Arnone‡	Additive Manufacturing of Tailored Metal/Fluoropolymer Reactive Cases for Enhanced Blast
Son, Young-Jun (mentor)	Poster #1114 presented 11/19 @ 9:00-10:00am	Daniel Felipe Zuniga Hurtado† Camilo Delgado Burbano‡	Integrating Digital Twins and Federated Learning for UGV fleets
Song, Yubo (mentor)	Poster #1070 presented 11/19 @ 9:00-10:00am	Grant Joseph Miller† Joshua Decker Buss*	Particle Image Velocimetry Setup for Cooling Microstructure
Song, Yubo (acknowledgment)	Poster #1410 presented 11/19 @ 12:00-1:00pm	Joshua Decker Buss† Grant Joseph Miller*	Flow Dynamics in a Cooling Microstructure: A Particle Image Velocimetry Analysis
Song, Yubo (acknowledgment)	Poster #1481 presented 11/19 @ 12:00-1:00pm	Sophia Isabella Schroer†	Reconstruction and Characterization of Copper Wick Structure
Sorrells, Caroline (acknowledgment)	Poster #1442 presented 11/19 @ 12:00-1:00pm	Hailey Choi Hiatt†	Development and Utilization of Online Interactive Review Modules for Collegiate-Level General Chemistry
Sotelo, Luz (acknowledgment)	Poster #1317 presented 11/19 @ 10:30-11:30am	Mark Joseph Tereck†	Degradation Kinetics of Thermal Interface Materials in Liquid Immersion Cooling Systems
Sotelo, Luz (mentor)	Poster #1516 presented 11/19 @ 12:00-1:00pm	Noah James Willis†	Thermal Transport in 3D Printed Packaging Materials
Specht, Aaron James (mentor)	Research Talk #7019 presented 11/20 @ 10:20am	Bethany Fabert†	Environmental Contamination and Birth Anomalies in Iraq
Speight, Joseph (mentor)	Poster #1305 presented 11/19 @ 10:30-11:30am	Owen Hodges† Keiko Yamamoto*	What the Decommissioning of Delafield Pond Teaches Us About the Importance of Stormwater Management Projects Across US Army Installations
Sribunma, Worawis (mentor)	Poster #1696 presented 11/19 @ 1:30-2:30pm	John Henry Slater† Braden Thomas Callaway* Natalia Zagata* Blake Edward Neely* Alexander Paul Kaufmann*	Autopilot Integration for Lightweight Unmanned Fixed Wing Aircraft in PURT Testing Facility
Sripada, Shanmukhi (mentor)	Poster #1513 presented 11/19 @ 12:00-1:00pm	Lindsay Kathryn Sutherland†	Impact of Slot Liner Compression and Wire Geometry on the Total Thermal Resistance in the Electric Motor's Stator-Winding Assembly

Name	Presentation	Students	Title
Stahelin, Robert V (acknowledgment)	Poster #1271 presented 11/19 @ 10:30-11:30am	Andres Felipe Monsalve Arango†	Analysis of the effect of single amino acid mutation in the budding and cell membrane localization of the Ebola virus matrix protein VP40
Starr, Hannah Elise (mentor)	Poster #1263 presented 11/19 @ 10:30-11:30am	Declan Leaird† William Isaiah Need*	Degradation of a Blue Dye Using Peroxide and Bicarbonate
Starr, Hannah Elise (mentor)	Poster #1442 presented 11/19 @ 12:00-1:00pm	Hailey Choi Hiatt†	Development and Utilization of Online Interactive Review Modules for Collegiate-Level General Chemistry
Starr, Hannah Elise (mentor)	Poster #1703 presented 11/19 @ 1:30-2:30pm	Sidney Erin Tindell† Megan Elizabeth Bechtloff‡ Hailey Choi Hiatt‡ Caroline Sorrells‡	Developing LewisStructures.net: An Educational Resource for Chemistry Students at Purdue University
Stepputtis, Simon (mentor)	Research Talk #7083 presented 11/20 @ 3:40pm	Muyang Yan†	Neuro-Symbolic Action Anticipation through Spatio-temporal Affordance Reasoning
Subbarayan, Ganesh (mentor)	Poster #1506 presented 11/19 @ 12:00-1:00pm	Brendan Duffy† Hannah Y Chun* Rongkai Yu*	Micro-Precision Constitutive Characterizations of High-Temperature Solder Interconnects and Circuit Board Specimen Design for Electromigration Testing
Sundaram, Shreyas (mentor)	Research Talk #7049 presented 11/20 @ 1:20pm	Amikosh Dube† Noah Anthony Wisniewski† Jay Bhavesh Gandhi† William John Greenwood† Jammy Wang† Dhanush Adhitya Gopalakrishnan† Srikar Sastry Lanka‡ Berra Ulku Kalci‡ Richard Hastings Hambleton‡	SWARMS: Multi-Agent UAV Control Simulation
Sundaram, Shreyas (mentor)	Research Talk #7084 presented 11/20 @ 4:00pm	Doha Bahaa Eldin Hafez† Parker Steven Hitchcock† Hasan Sultan†	Purdue Aerial Robotics Team (PART) - R&D Division - Avionics - AUGUST
Sundaram, Shreyas (mentor)	Virtual #9011 presented 11/19-11/26 virtually	William John Greenwood† Noah Anthony Wisniewski‡	SWARMS: Multi-Agent Control Simulation Platform
Suter, Daniel (mentor)	Research Talk #7011 presented 11/20 @ 9:40am	Nikhil Samit Sadavarte† Jonathan Minh-Tri Ngo‡ Kaitlyn Ying‡ Beatriz Cren Colalillo‡ Manasa Gudugundla‡ Anshul Sanjeev‡ Katie Manfra‡	Pramipexole as a potential enhancer of regeneration after zebrafish spinal cord injury
Swabey, Matthew A (mentor)	Poster #1111 presented 11/19 @ 9:00-10:00am	Renzhi Yongtian† Rauf Emre Erkiletlioglu‡ Tei Okamoto* Weijing Sebastian Chen* Anika Bajpai* Aditya S Hebbani*	Remote-Controlled Car Shield Design for AFTx06 System on Chip
Swabey, Matthew A (mentor)	Poster #1232 presented 11/19 @ 10:30-11:30am	Maximillian Francis Farrell† Arnav Naval† Matthew Alvarez Hackett† Shreya Laxmi Nagendra† Genna Nicole Yavaraski† Jason Dumauual Lyst† Tanek Malhotra† Parth Kapila† Aniruddh Srivastava†	Real-Time Hazard Detection using IoT
Swabey, Matthew A (mentor)	Poster #1247 presented 11/19 @ 10:30-11:30am	Aditya S Hebbani† Rauf Emre Erkiletlioglu‡ Tei Okamoto* Weijing Sebastian Chen* Anika Bajpai* Renzhi Yongtian*	GSM modem shield for System on Chip

Name	Presentation	Students	Title
Taghian Dinani, Soudabeh (mentor)	Poster #1299 presented 11/19 @ 10:30-11:30am	Jeslyn Cheng Yang† Brian Ross Ramos† Angela Qian† Jacob Ray Morales† Ramsey Daniel† Alessandra Rice†	Out Of Focus Image Correction
Taghian Dinani, Soudabeh (mentor)	Poster #1695 presented 11/19 @ 1:30-2:30pm	Ahmed Wael Shebl† Zeyad Ayman El Afify† Abdelrahman Hamdy Ghania†	3D Food Images Reconstruction From 2D Images.
Taghian Dinani, Soudabeh (mentor)	Research Talk #7026 presented 11/20 @ 11:40am	Minchae Yun† Huy Duc Vu† Vishwadeep Singh† William Emre Ozkan†	Image-based Mobile Phone Applications (APPS)
Taghian Dinani, Soudabeh (mentor)	Virtual #9005 presented 11/19-11/26 virtually	Sanjna K Chokshi† Joshua Paik† Nishaant Kunal Shah† Elina Ashish Shah†	Surgical Scene Segmentation
Tallman, Tyler N (mentor)	Poster #1498 presented 11/19 @ 12:00-1:00pm	Tatiana Varela† Pranav Singh† Ananya Prasad† Lainie Jane Rapp† Colby Strohl† Bella Irma Schaetzle† Clara Marie Anne Goffioul† Simran Nadig† Praneel Madhuvanesh‡ Nathanael Adrian Lorincz‡	Multifunctional Materials in Aerospace Applications to Drone Landing Gear
Tamboli, Dipesh Hemchandra (acknowledgment)	Virtual #9021 presented 11/19-11/26 virtually	Sonal Naik†	Machine Learning Algorithms for Improved Decision Making in Healthcare
Tanwar, Reeya (mentor)	Poster #1482 presented 11/19 @ 12:00-1:00pm	Sofia Schumann† Dia Dipen Jhaveri‡	Comparative Neurobehavioral Effects of Chlorpyrifos Exposure in Pon-1 (-/-) and Wildtype Rat Models
Taylor, Christine (mentor)	Poster #1439 presented 11/19 @ 12:00-1:00pm	Nolan Lee Hardman† Jacob Henry Rikkola† Adrienne Dale Torres Balahadia† Bader Emad Abu-Shanab† Zilan Patel† James M Scanlan† Aaditi Anupam Vaval†	VIP - Organoid On Chip
Telenko, Darcy E P (mentor)	Poster #1272 presented 11/19 @ 10:30-11:30am	Mariana Moreano Acevedo†	Monitoring in-season fungal spore release to aid in disease-risk predictions for Indiana corn
Terashi, Genki (acknowledgment)	Poster #1077 presented 11/19 @ 9:00-10:00am	Joon Hong Park† Pranav Punuru‡	User-friendly web-server for cryo-EM structure modeling and validation
Thakkar, Dutt Jagdish (mentor)	Poster #1615 presented 11/19 @ 1:30-2:30pm	Ana Victoria Castro Herrera†	Electric Vehicles for Indiana: Trends and Future Outlook of Current Fleet & Infrastructure
Thakkar, Dutt Jagdish (mentor)	Poster #1661 presented 11/19 @ 1:30-2:30pm	Alex Mauricio Marin Villanueva†	Phytomining as Ancestral Knowledge in Colombian Gold Mining
Thakkar, Dutt Jagdish (mentor)	Research Talk #7056 presented 11/20 @ 1:40pm	Janny Katerin Torres Canas†	Design of a training protocol to assess human error, reaction time and hand-eye coordination in assembly lines.
Thakkar, Dutt Jagdish (mentor)	Research Talk #7066 presented 11/20 @ 2:00pm	Kely Johanna Monroy Malagot† Luisa Fernanda Victoria Florez†	Commodity Flow Analysis of Indiana: Insights into Supply Chain Dynamics and Economic Development
Thakur, Anupma (mentor)	Poster #1693 presented 11/19 @ 1:30-2:30pm	Christian Paul Hardy Scott†	Effect of large precursor grains on the synthesis and quality of 2D double-transition metal MXenes
Tomar, Monika (mentor)	Research Talk #7013 presented 11/20 @ 10:20am	Ian Owen Out† Julianne Quin Iaccarino† Ibrahim Issa Abdullah† Basil Khwaja† Ron K Natarajan†	Generative Models for Images and Videos

Name	Presentation	Students	Title
Tomoo, Keigo (acknowledgment)	Research Talk #7007 presented 11/20 @ 9:20am	Yen-Hsi Lai†	Adipose Tissue Morphology in Albumin Knockout Mice
Torres Arias, Santiago (mentor)	Poster #1038 presented 11/19 @ 9:00-10:00am	Daniyal Fazal† Harmon Howse† Nicholas Marshall Andry† Jayden Chun-Hin Chow† Oliver J Wang†	ChainVisor: analyzing the security posture of IoT device software
Trask, Sydney (mentor)	Research Talk #7032 presented 11/20 @ 11:40am	Jaden Brooks† Priya Halder*	Stress-enhanced fear learning can be reduced with unconditional stimulus deflation with constraints.
Travis, Rebekah Lynne (acknowledgment)	Poster #1016 presented 11/19 @ 9:00-10:00am	Catherine Therese Nicole Bradley† Gianna Marie Arnone‡	Additive Manufacturing of Tailored Metal/Fluoropolymer Reactive Cases for Enhanced Blast
Tsai, Benson Qun (mentor)	Poster #1512 presented 11/19 @ 12:00-1:00pm	Allison Nobuko Scher†	Micro-Nano-Ordered LSMO-Au VAN Growth for Chemical Sensors
Tsai, Kerway Lee (acknowledgment)	Virtual #9002 presented 11/19- 11/26 virtually	Enrique Camacho† Haruna Kawai† Muhammad Ameer Hamza† Andrew Lee Schlabach‡ Geetika Chitturi‡ Akshath Raghav Ravikiran‡	Design and Implementation of a Standard Cell Library Using Open-Source Tools
Tucker, Michelle L (acknowledgment)	Research Talk #7061 presented 11/20 @ 2:20pm	Christine Elizabeth Mayo† Adalene Noel Stangeland† Meggie Faye Khantsis† Megan Leanne Painter‡ Payton Elizabeth Gault‡	Modeling The Racehorse Airway
Turkstra, Jeffrey A (mentor)	Poster #1703 presented 11/19 @ 1:30-2:30pm	Sidney Erin Tindell† Megan Elizabeth Bechtloff‡ Hailey Choi Hiatt‡ Caroline Sorrells‡	Developing LewisStructures.net: An Educational Resource for Chemistry Students at Purdue University
Ucpinar, Kayra Gizem (acknowledgment)	Poster #1682 presented 11/19 @ 1:30-2:30pm	Alana Powell†	Sickle Cell and Family Planning: An Indiana Study Protocol
Ugale, Shreya Santosh (acknowledgment)	Poster #1029 presented 11/19 @ 9:00-10:00am	Carla D'Amato†	Characterization of Abnormal Aquaporin-9 Retention and its ties to Lowe Syndrome
Usidame, Omobukola Otoise (mentor)	Poster #1653 presented 11/19 @ 1:30-2:30pm	Yen-Hsi Lai†	Association between the comprehensiveness of tobacco and nicotine regulations on their usage among youth and adults in each state in the U.S.
Varnell, Suzanne Christine (acknowledgment)	Poster #1005 presented 11/19 @ 9:00-10:00am	Ana Cristal Andrade Castaneda† Dalena Mary Renee Matthews† Emma Carosone†	How do parent's STEM-related careers relate to their math interactions with their children, and their overall value of math?
Vashisth, Apoorva (mentor)	Research Talk #7047 presented 11/20 @ 12:40pm	Revanth Krishna Senthikumarant	A PHD Filter Approach to Target-Invariant Persistent Monitoring
Vatkar, Nachiket (mentor)	Poster #1106 presented 11/19 @ 9:00-10:00am	William Samuel Walker† Abiram S Gurijala‡	Triboelectric Pulse Sensors Using Bio Derived Polymer Inks
Vazquez, Salvador Roberto (acknowledgment)	Poster #1005 presented 11/19 @ 9:00-10:00am	Ana Cristal Andrade Castaneda† Dalena Mary Renee Matthews† Emma Carosone†	How do parent's STEM-related careers relate to their math interactions with their children, and their overall value of math?
Vazquez, Salvador Roberto (mentor)	Poster #1664 presented 11/19 @ 1:30-2:30pm	Maggie Brinn Miller† Divya Tarika Durai†	Does the gender of a child influence a parent's use of management language?
Veenstra, Jessica Leigh (acknowledgment)	Poster #1001 presented 11/19 @ 9:00-10:00am	Teagan Ames-Majeski†	Investigating Ferumoxytol Dosage Effects on Tumor Macrophage Polarization and Survival in Glioblastoma
Venkatesh, Lakshmi Narayan Vishnunand (mentor)	Research Talk #7044 presented 11/20 @ 12:40pm	Arjun Sandeep Gupte†	REBEL: Rule-based and Experience-enhanced Learning with LLMs for Initial Task Allocation in Multi-Human Multi-Robot Teams
Verma, Mohit (mentor)	Research Talk #7073 presented 11/20 @ 3:20pm	Shamalaa Sathiasealan†	Automation of LAMP Biomolecular Assays Using the Eppendorf epMotion 5075 Robotic Pipettor
Verma, Mohit (mentor)	Research Talk #7086 presented 11/20 @ 4:40pm	Arman Kumar†	NucleusPrime: An efficient computational tool for the design of oligonucleotide primers for nucleic acid amplification methods

Students' Role Notations: †Presenting Author, ‡Contributing Author, *Acknowledgment

Name	Presentation	Students	Title
Vhaduri, Sudip (mentor)	Poster #1079 presented 11/19 @ 9:00-10:00am	Rachel Pfeifer†	Opportunities and Risks of Biometric Security in the Age of Generative AI
Vlachos, Pavlos (mentor)	Poster #1662 presented 11/19 @ 1:30-2:30pm	Anika Mathur† Jiwon Seo† Samskrithi Sivakumar† Charles Chen† Sein Kim†	Study on Methods for Object Detection within Cryo-Em Dataset
Vlachos, Pavlos (mentor)	Research Talk #7080 presented 11/20 @ 3:40pm	Brianna Nicole Lewis†	Assessment of Echocardiographic Biomarkers for the Prognosis of Cardiac Dysfunction in Sepsis
Volkening, Alexandria (mentor)	Research Talk #7023 presented 11/20 @ 10:40am	Joseph Michael Crompt† Thanmaya Pattanashetty† Alexia Rodrigues†	Forecasting the 2024 Elections using Mathematical Modeling
Voyles, Richard M (mentor)	Poster #1437 presented 11/19 @ 12:00-1:00pm	Bennett Michael Hanan† Margulan Mukhametkarim† Benjamin Harris Ciliberto† Ridge McCain Blankenship† Alexander T Valdes‡ Nicholas Keir Wade‡ Andrew Joseph Shelley‡ Alexander Kmetko‡ Liam M McCormack‡	Naval Surface Warfare Center Artificial Intelligence Maritime Maneuvering Challenge
Wagner, Dane Christophe (acknowledgment)	Poster #1026 presented 11/19 @ 9:00-10:00am	Yashvi Choudhary† Sadie A Poirier‡	Impact of Silver Ion Leakage from Electrochemical Sensors on Cell Health: A Triple Negative Breast Cancer Study
Wagner, Dane Christophe (mentor)	Poster #1427 presented 11/19 @ 12:00-1:00pm	Keeley Vonne Farmer†	Investigation, optimization and application of MIP-based PFAS sensing across sample matrices
Wagner, Dane Christophe (acknowledgment)	Poster #1475 presented 11/19 @ 12:00-1:00pm	Sadie A Poirier† Yashvi Choudhary‡	Silver leakage in Commercially-Available and Pt-Wire Tip Electrodes: An in Vitro Toxicity Study
Wagner, Ryan B (mentor)	Poster #1003 presented 11/19 @ 9:00-10:00am	Niklas Eric Anderson†	Micro-scale Heat Transfer Modeling for a Sharp Silicon Tip on Varying Substrates
Wagner, Ryan B (mentor)	Research Talk #7024 presented 11/20 @ 11:00am	Divya Raghvendra Manvikar† Mira Nimesh Patel† Dipali Rebecca Abraham†	The Modeling of the Umbilical Cord In End of Term Women Using a PDMS Microfluidics Design
Wang, Beichen (mentor)	Poster #1073 presented 11/19 @ 9:00-10:00am	Jillian New†	Investigating the Effects of FDA-Approved Drugs for Treating Inherited Night Blindness in a Zebrafish Model
Wang, Dingxun (mentor)	Poster #1681 presented 11/19 @ 1:30-2:30pm	Aditya Pillai†	The Effect of Differing Doxorubicin Concentrations on Human Cancer Strains
Wang, Haiyan (mentor)	Poster #1512 presented 11/19 @ 12:00-1:00pm	Allison Nobuko Schert†	Micro-Nano-Ordered LSMO-Au VAN Growth for Chemical Sensors
Wang, Jingbo (mentor)	Poster #1654 presented 11/19 @ 1:30-2:30pm	Andrew James Larkins† Connor Ethan Behrend† Michael Lee†	Analyzing Hamming Weight Attacks for Cryptographic Security on SoCET's AFT
Wang, Keyu (acknowledgment)	Poster #1315 presented 11/19 @ 10:30-11:30am	Ian Quan†	Electrochemical Deposition Surface Enhancement for Single Phase Jet Impingement
Wang, Nien-hwa L (mentor)	Poster #1210 presented 11/19 @ 10:30-11:30am	Ryan L Bottini† Manila Kunwar‡	Low-Pressure Hydrothermal Processing Methods for Conversion of Acrylonitrile-Butadiene-Styrene to Oils
Wang, Ruiqi (mentor)	Research Talk #7044 presented 11/20 @ 12:40pm	Arjun Sandeep Gupte†	REBEL: Rule-based and Experience-enhanced Learning with LLMs for Initial Task Allocation in Multi-Human Multi-Robot Teams
Wang, Xiao (acknowledgment)	Poster #1077 presented 11/19 @ 9:00-10:00am	Joon Hong Park† Pranav Punuru‡	User-friendly web-server for cryo-EM structure modeling and validation

Name	Presentation	Students	Title
Wang, Xing (mentor)	Poster #1688 presented 11/19 @ 1:30-2:30pm	Joshua Michael Ringler† Matthew P Russell† YoonJeong Choi† Bocheng Wang† Jonathan Damin Shi† Sahil Maurice†	Customer Feedback Analysis Using NLP Techniques
Ware, Jason (mentor)	Poster #1658 presented 11/19 @ 1:30-2:30pm	Leo Pearson Malachowski† Bridget Katherine Heindl† Ayden Timothy Fahey‡ Jennifer Lilian Yang‡	Community Revitalization through Empowerment and Inclusive Environments
Warner, Sean (acknowledgment)	Research Talk #7032 presented 11/20 @ 11:40am	Jaden Brooks† Priya Halder*	Stress-enhanced fear learning can be reduced with unconditional stimulus deflation with constraints.
Warsinger, David (mentor)	Research Talk #7072 presented 11/20 @ 3:00pm	Lily Avery Waterman†	Increasing Membrane-Based Dehumidification Performance with Reduced Graphene Oxide Nanofillers
Wassgren, Carl R (mentor)	Research Talk #7003 presented 11/20 @ 9:00am	Trisha Boodhoo†	Shear Modified Bin Discharge
Weake, Vikki Marie (mentor)	Poster #1468 presented 11/19 @ 12:00-1:00pm	Iris Georgina Ocegueda Medina†	Determining mechanisms that underly Alzheimer's Disease induced changes in circadian behavior
Wei, Tiwei (mentor)	Poster #1315 presented 11/19 @ 10:30-11:30am	Ian Quan†	Electrochemical Deposition Surface Enhancement for Single Phase Jet Impingement
Wei, Tiwei (mentor)	Poster #1410 presented 11/19 @ 12:00-1:00pm	Joshua Decker Busst† Grant Joseph Miller*	Flow Dynamics in a Cooling Microstructure: A Particle Image Velocimetry Analysis
Wei, Tiwei (mentor)	Poster #1481 presented 11/19 @ 12:00-1:00pm	Sophia Isabella Schroer†	Reconstruction and Characterization of Copper Wick Structure
Wei, Tiwei (mentor)	Poster #1502 presented 11/19 @ 12:00-1:00pm	Yun-Jen Wu† Isabel Alejandra Arias Zambrano† Jenna Marie Marquette† Jack Valenti† Henry Qin†	Aluminum Nitride Interposer for Enhanced Heat Dissipation
Wei, Zhiyuan (mentor)	Poster #1250 presented 11/19 @ 10:30-11:30am	Cho-Yi Hsieh† Ho Jun Lee† Cecilie Reingaard Wiuff† Aidan Iachini Broy† Jou-Ting Lai†	VIP Advanced Packaging Glass Substrate for Photonics and RF Applications
Weibel, Justin (mentor)	Poster #1511 presented 11/19 @ 12:00-1:00pm	Jonathan Samuel Ryan†	Topology optimization of flow structures for cooling multi-chip modules
Wells, Ellen M (mentor)	Research Talk #7019 presented 11/20 @ 10:20am	Bethany Faber†	Environmental Contamination and Birth Anomalies in Iraq
Wilhelm, Roland Conrad (mentor)	Poster #1104 presented 11/19 @ 9:00-10:00am	Amber Voigtschild†	The Influence of Roots and Rhizosphere on Phosphorus Cycling in Corn-Soy Rotations Managed with Low Phosphorus Inputs
Wise DiVincenzo, Jenna L (mentor)	Poster #1244 presented 11/19 @ 10:30-11:30am	Priyam Gupta†	Increasing the expressiveness of specifications for a gradual program verifier
Wolf, Patricia Marie (acknowledgment)	Poster #1474 presented 11/19 @ 12:00-1:00pm	Sophia Pirela†	Evaluation of Online Nutrition Education Materials for Hispanic/Latino Individuals with Chronic Kidney Disease
Woods, Hannah M (mentor)	Poster #1271 presented 11/19 @ 10:30-11:30am	Andres Felipe Monsalve Arango†	Analysis of the effect of single amino acid mutation in the budding and cell membrane localization of the Ebola virus matrix protein VP40
Wu, Joy (mentor)	Poster #1603 presented 11/19 @ 1:30-2:30pm	Alex James Alonzo† Jennifer Caraballo‡	Measurement of rare phosphoinositide lipids in Ras mutant cell membranes
Wu, Wenzhuo (mentor)	Poster #1081 presented 11/19 @ 9:00-10:00am	Sarah Pushparaj†	Non-Enzymatic Wearable Glucose Sensor Based on a Biomimetic, Noble-Metal Nanoparticle-Decorated Laser-Induced Graphene

Name	Presentation	Students	Title
Wu, Wenzhuo (mentor)	Poster #1106 presented 11/19 @ 9:00-10:00am	William Samuel Walker† Abiram S Gurijala‡	Triboelectric Pulse Sensors Using Bio Derived Polymer Inks
Wu, Wenzhuo (mentor)	Poster #1697 presented 11/19 @ 1:30-2:30pm	Brody Everett Snyder† Elizabeth Reeves Cagle† Yi Li† Padmaja Sachin Khairnar† Pranav Perumal† Kevin Nathan Qu†	Cardiovascular Digital Twins: Real-Time Cardiovascular Monitoring and Prediction through Skin-Integrated Triboelectric Sensors
Wu, Wenzhuo (mentor)	Research Talk #7005 presented 11/20 @ 9:40am	Surya Pratheek Turaga†	Wearable Electrochemical Sensors for Personalized Digital Health
Wu, Zhaofeng (mentor)	Poster #1242 presented 11/19 @ 10:30-11:30am	Sofia Guevara Montoya†	Jet break in gamma-ray bursts
Xiao, Shulan (acknowledgment)	Poster #1705 presented 11/19 @ 1:30-2:30pm	Andres Uzcategui†	Morphological characterization of anatomically defined Layer 5B pyramidal neuron subtypes
Xie, Lijia (mentor)	Poster #1314 presented 11/19 @ 10:30-11:30am	Colton Pierce Lennen† Caleb Michael Brazier*	Reliability for High-Temperature Solder Alloys with Microalloying
Xu, Wenyong (mentor)	Poster #1688 presented 11/19 @ 1:30-2:30pm	Joshua Michael Ringler† Matthew P Russell† YoonJeong Choi† Bocheng Wang† Jonathan Damin Shi† Sahil Maurice†	Customer Feedback Analysis Using NLP Techniques
Xu, Xianfan (mentor)	Poster #1507 presented 11/19 @ 12:00-1:00pm	Jack Rearden Ferlazzo†	Semiconductor Advanced Packaging using Two-Photon Lithography
Xue, Yexiang (mentor)	Research Talk #7083 presented 11/20 @ 3:40pm	Muyang Yan†	Neuro-Symbolic Action Anticipation through Spatio-temporal Affordance Reasoning
Yadav, Saumitra (mentor)	Poster #1698 presented 11/19 @ 1:30-2:30pm	Lautaro Franco Soler†	Tactile discrimination behavior paradigm to dissect circuit motif in somatosensory cortex
Yang, Siqi (acknowledgment)	Poster #1653 presented 11/19 @ 1:30-2:30pm	Yen-Hsi Lai†	Association between the comprehensiveness of tobacco and nicotine regulations on their usage among youth and adults in each state in the U.S.
Yang, Ye (acknowledgment)	Poster #1250 presented 11/19 @ 10:30-11:30am	Cho-Yi Hsieh† Ho Jun Lee† Cecilie Reingaard Wiuff† Aidan Iachini Broy† Jou-Ting Lai†	VIP Advanced Packaging Glass Substrate for Photonics and RF Applications
Yatcilla, Jane F (mentor)	Research Talk #7089 presented 11/20 @ 4:00pm	Sophie Kaitlyn Stahl† Braxton J Schieler*	Pets in the office: A systematic review and pilot study examining pets in the workplace
Ye, Peide (mentor)	Poster #1509 presented 11/19 @ 12:00-1:00pm	Remley Grace Hooker†	Exploring 2D Tellurium for Advanced Pressure Sensors in Extreme Underwater Environments
Yelineni, Mahesh Kumar Rao (mentor)	Poster #1660 presented 11/19 @ 1:30-2:30pm	Charles W Mann† Ananyaa Chaitanya Baidur†	Treatment of Rheumatoid Arthritis using Folate-Dexamethasone Drugs
Yogi, Ketankumar Jayantkuma (mentor)	Poster #1312 presented 11/19 @ 10:30-11:30am	Alexander Hanson Lam†	Experimental Investigation of Thermal and Hydraulic Performance in Series Connections of Inlet Nozzles for Jet Impingement Cooling in Large Die Applications
Yogi, Ketankumar Jayantkuma (mentor)	Poster #1315 presented 11/19 @ 10:30-11:30am	Ian Quan†	Electrochemical Deposition Surface Enhancement for Single Phase Jet Impingement

Name	Presentation	Students	Title
Yoshida, Ken (mentor)	Poster #1460 presented 11/19 @ 12:00-1:00pm	Elias Malak† Taran Reddy Kamireddy† Nicholas John Albrecht‡ Nadia Bailen Boluda‡ Samarth Bhat‡ Cooper Lee Cotton‡ Lara Nour Courgi‡ Luke Davis‡ Tamara Shakri Houran‡ Pratika Kumar‡ Jakob Eric Mikolajczyk‡ Gema Roselyn Parra‡	Wearable System for Tracking Stroke Rehabilitation Progress
Yoshida, Ken (mentor)	Virtual #9019 presented 11/19-11/26 virtually	Cohen Scott Meredith† Elliott Samuel Korentager† Willard Gabriel Rash Cuevas† Gavin Robert Beyers† Owen Michael Bartel‡ Toby Dwayne George‡ Meghana Sunil Kumar‡ Pralhad Prashant Mundargi‡ Samir Niradbhai Patel‡ Gavin Wang‡ Andrew Loren Peterson‡	The Rat Cage Conundrum: An Innovative Cage Design
Youn, Hoi Joong (acknowledgment)	Poster #1423 presented 11/19 @ 12:00-1:00pm	Abigail J Dressman†	Effects of Biomechanical and Biochemical Cues on Intestinal Organoid Growth and Morphology
Yu, Denny (mentor)	Research Talk #7048 presented 11/20 @ 1:00pm	Hassan Berbich†	Title: Measuring Progress in Eye Tracking Behavior During Surgical Training
Yu, Denny (mentor)	Virtual #9021 presented 11/19-11/26 virtually	Sonal Naik†	Machine Learning Algorithms for Improved Decision Making in Healthcare
Yun, Yeon Ji (mentor)	Poster #1069 presented 11/19 @ 9:00-10:00am	Vinay Sai Meda† Tanishaa Shah† Samitha Ranasinghe† Tiana Yi Jen Lin† Samantha Sudhoff†	Studying Cello Bowing Performance through a Robotic Arm and Reinforcement Learning
Yun, Yeon Ji (mentor)	Poster #1221 presented 11/19 @ 10:30-11:30am	Ojas Chaturvedi† Kayshav Bhardwaj† Vincent Wentao Zhao† Max Yu Zhen Chen‡ Luke Jaehyeon Choi* Parv Kumar* Minh Le Vu* Minh Binh Tran* Tri Quang Vo* Pranesh S Velmurugan* Andrew J Achkar* Bryan Christopher Yoo*	Automatic Music Transcription - AI for Music
Yun, Yeon Ji (mentor)	Poster #1291 presented 11/19 @ 10:30-11:30am	Ranav Sethi† Robert M Rattray† Rohit Kannan† Ping-Hung Nick Ko†	Real-Time Accompaniment for Pre-Scored Musical Practice
Yun, Yeon Ji (mentor)	Poster #1672 presented 11/19 @ 1:30-2:30pm	Jonathan Aimison Oppenheimer† Henry Hengyi Tsay† Lucas Tan† Thanmaya Pattanashetty† Shiva Sai Vummaji‡ Tim Nadolsky‡ Chiho Song‡ Liam Matthew Stonestreet‡ Haichang Li‡	AIM: Mus2Vid

Name	Presentation	Students	Title
Yun, Yeon Ji (mentor)	Research Talk #7057 presented 11/20 @ 1:00pm	William P Jiang† Gurtej Singh Bagga† Trevor Mission Ju† Paige Lorenz† Shivam Hemal Trivedi‡ Shrinand Perumal‡ Aadv Reki‡	Enhancing Cello Performance through Real-Time Posture Evaluation
Zaderej, Victor (acknowledgment)	Poster #1034 presented 11/19 @ 9:00-10:00am	Hanna Joy Dykema†	Comparing Plant Yield Between Pulse Width Modulation and LED Lights
Zakharov, Sergey (mentor)	Virtual #9002 presented 11/19-11/26 virtually	Enrique Camacho† Haruna Kawai† Muhammad Ameer Hamza† Andrew Lee Schlabach‡ Geetika Chitturi‡ Akshath Raghav Ravikiran‡	Design and Implementation of a Standard Cell Library Using Open-Source Tools
Zakharov, Wei (mentor)	Poster #1201 presented 11/19 @ 10:30-11:30am	Colby Ben Acton† Gaetano Antonio Iannotta† Aditi Anand† Branton Ling‡ Evan Alexander Zhang‡ Gaurish Lakhanpal‡ Michael Suo‡ Apostolos Adam Cavounis‡ Purav Matlia‡ Rohini Pillai‡ Ruhaan Batta‡ Samarth Prashanth‡ Shih-Yao Sun‡	Mini Tutor Through Retrieval-Augmented Generation
Zhang, GuangJun (mentor)	Poster #1681 presented 11/19 @ 1:30-2:30pm	Aditya Pillai†	The Effect of Differing Doxorubicin Concentrations on Human Cancer Strains
Zhang, Siqi (mentor)	Poster #1005 presented 11/19 @ 9:00-10:00am	Ana Cristal Andrade Castaneda† Dalena Mary Renee Matthews† Emma Carosone†	How do parent's STEM-related careers relate to their math interactions with their children, and their overall value of math?
Zhang, Siqi (mentor)	Poster #1664 presented 11/19 @ 1:30-2:30pm	Maggie Brinn Miller† Divya Tarika Durai†	Does the gender of a child influence a parent's use of management language?
Zhang, Yi (acknowledgment)	Research Talk #7007 presented 11/20 @ 9:20am	Yen-Hsi Lai†	Adipose Tissue Morphology in Albumin Knockout Mice
Zhang, Ying (acknowledgment)	Poster #1214 presented 11/19 @ 10:30-11:30am	Juan Pablo Camacho Arias†	Latent Transition Analysis of Suicide Risk in Sexual Minority Population: The Protective Role of Age
Zhang, Yuanyuan (acknowledgment)	Poster #1077 presented 11/19 @ 9:00-10:00am	Joon Hong Park† Pranav Punuru‡	User-friendly web-server for cryo-EM structure modeling and validation
Zhang, Zheyuan (mentor)	Poster #1299 presented 11/19 @ 10:30-11:30am	Jeslyn Cheng Yang† Brian Ross Ramost† Angela Qian† Jacob Ray Morales† Ramsey Daniel† Alessandra Rice†	Out Of Focus Image Correction
Zhang, Zhong-Yin (mentor)	Poster #1261 presented 11/19 @ 10:30-11:30am	Ray Wai-Keung Lai†	Discovery and Synthesis of the First-in class SHP1 Covalent Inhibitor for Cancer Immunotherapy
Zheng, Suilan (mentor)	Poster #1302 presented 11/19 @ 10:30-11:30am	Vicky Zheng†	Optimization of Bispecific Adapter Length for Enhanced Universal CAR T Cell Activation in Prostate Cancer Models
Zhou, Shan (mentor)	Poster #1405 presented 11/19 @ 12:00-1:00pm	Nihar Pushkar Atri†	Leveraging City Conversations to Understand Public Opinion Towards Renewable Energy Initiatives
Zhou, Xiaopeng (acknowledgment)	Poster #1445 presented 11/19 @ 12:00-1:00pm	Roma Nandan Kamat†	Effects of FMR1 premutation status on neural measures of executive function and cerebellar GABA

Name	Presentation	Students	Title
Zhu, Fengqing (mentor)	Poster #1457 presented 11/19 @ 12:00-1:00pm	Emily Loiselle† Joseph Huang† Nandini Mukul Pande† Rahul Sasi Menon† Chaeun Kim†	Resistor Analysis Android Application
Zhu, Fengqing (mentor)	Poster #1695 presented 11/19 @ 1:30-2:30pm	Ahmed Wael Shebl† Zeyad Ayman El Afify† Abdelrahman Hamdy Ghania†	3D Food Images Reconstruction From 2D Images.
Zhu, Fengqing (mentor)	Research Talk #7026 presented 11/20 @ 11:40am	Minchae Yun† Huy Duc Vu† Vishwadeep Singh† William Emre Ozkan†	Image-based Mobile Phone Applications (APPS)
Zhu, Fengqing (mentor)	Research Talk #7038 presented 11/20 @ 12:40pm	William Henry Stevens† Gabriel A Torres† Karthik Selvaraj† Leo Ross Benaharon† Surya Teja Sripathi† Arnav Dushyant Choudhry†	Optimized Text Recognition: A Transfer Learning Approach for Detecting and Transcribing Text in Natural Scenes
Zhu, Fengqing (mentor)	Virtual #9005 presented 11/19-11/26 virtually	Sanjna K Chokshi† Joshua Paik† Nishaant Kunal Shah† Elina Ashish Shah†	Surgical Scene Segmentation
Zhu, Han (acknowledgment)	Poster #1077 presented 11/19 @ 9:00-10:00am	Joon Hong Park† Pranav Punuru‡	User-friendly web-server for cryo-EM structure modeling and validation
Zhu, Rui (mentor)	Poster #1068 presented 11/19 @ 9:00-10:00am	Silvia Nathalia Martinez Calderon†	The effects of sucrose and heat treatments on the gelatinization and pasting properties of tapioca starch
Zhuang, Yuxin (mentor)	Research Talk #7035 presented 11/20 @ 11:40am	Abigail Hyejin Lee† Kaaya Dharm Sharma*	Investigating the effects of ciclopirox and its derivatives on urothelial and renal cell carcinomas
Zhuang, Yuxin (mentor)	Research Talk #7081 presented 11/20 @ 3:00pm	An My Nguyen†	Investigating the functions of Epstein-Barr Virus Gene BNLF2b in Gastric Cancer Progression
Ziliak, Meredith Christine (mentor)	Research Talk #7076 presented 11/20 @ 3:20pm	Jax Patrick Marrone† Andres Navarro‡ Emily Le Bell‡ Audrey V Harrison‡	Comparison of Speech Token Variations and Their Ability to Assess Features of Hearing Loss
Ziolkowski, Rebecca A (mentor)	Poster #1637 presented 11/19 @ 1:30-2:30pm	Abigail Marie Higgins† Arshia Bhuvana Rama† Lauren M Hopkins†	Using rapid qualitative analysis to inform a community-engaged cervical cancer screening intervention for people experiencing homelessness
Zoltowski, Carla (mentor)	Poster #1281 presented 11/19 @ 10:30-11:30am	Aakarsh Nagendra Rai† Donald Alexander Weintz† Jianing Wang† Aditya Mallepalli† Preetham Reddy Yerragudi†	Pedestrian Detection: Crash Prevention
Zoltowski, Carla (mentor)	Poster #1299 presented 11/19 @ 10:30-11:30am	Jeslyn Cheng Yang† Brian Ross Ramos† Angela Qian† Jacob Ray Morales† Ramsey Daniel† Alessandra Rice†	Out Of Focus Image Correction
Zoltowski, Carla (mentor)	Poster #1448 presented 11/19 @ 12:00-1:00pm	Devansh Khandelwal† Dinh Huy Tuan Nhu† Arnav Daryani† Jeffrey Jingwei Wu†	Chess Position Recognition Application
Zoltowski, Carla (mentor)	Poster #1457 presented 11/19 @ 12:00-1:00pm	Emily Loiselle† Joseph Huang† Nandini Mukul Pande† Rahul Sasi Menon† Chaeun Kim†	Resistor Analysis Android Application

Name	Presentation	Students	Title
Zoltowski, Carla (mentor)	Poster #1695 presented 11/19 @ 1:30-2:30pm	Ahmed Wael Shebl† Zeyad Ayman El Afify† Abdelrahman Hamdy Ghania†	3D Food Images Reconstruction From 2D Images.
Zoltowski, Carla (mentor)	Research Talk #7026 presented 11/20 @ 11:40am	Minchae Yun† Huy Duc Vu† Vishwadeep Singh† William Emre Ozkan†	Image-based Mobile Phone Applications (APPS)
Zoltowski, Carla (mentor)	Research Talk #7038 presented 11/20 @ 12:40pm	William Henry Stevens† Gabriel A Torres† Karthik Selvaraj† Leo Ross Benaharon† Surya Teja Sripathi† Arnav Dushyant Choudhry†	Optimized Text Recognition: A Transfer Learning Approach for Detecting and Transcribing Text in Natural Scenes