

Spring 2024 Undergraduate Research Conference: List by Mentor

Mentor Name	Presentation	Students	Title
Abdelhady, Hazem	Poster #1127 presented 4/09 @ 9:00-10:00am	Sophia Ung†	Analyzing the Effect of Rising Water Levels in Lake Huron using High Resolution Multispectral imagery
AbdelKhalek, Ahmed	Poster #1428 presented 4/09 @ 12:00-1:00pm	Delilah Flora† Gangmin Kim‡	Design and Evaluation of an IZUMO1-Based Contraceptive Vaccine for Wildlife
AbdelKhalek, Ahmed	Talk #7056 presented 4/11 @ 2:00pm	Gangmin Kim† Delilah Flora‡	Development and evaluation of a ferritin-Izumo1 protein vaccine for immunocontraception of wildlife.
Abramova, Inna	Poster #1420 presented 4/09 @ 12:00-1:00pm	Braiden Doane† Rachel Durham†	How Can Science of Reading Be Culturally Responsive?
Adam, Casey	Poster #1480 presented 4/09 @ 12:00-1:00pm	Khanh Ha Nguyen†	Influence of Oxidative Stress on Neuron Firing: Implications for Traumatic Brain Injury
Adams, Nicole	Poster #1002 presented 4/09 @ 9:00-10:00am	Nathan Arnold† Alexander Eiguren† Anna Radulski† Grant Sims† Alan Chao†	Biomedical Drone for Narcan Delivery
Adams, Shauna	Poster #1716 presented 4/09 @ 1:30-2:30pm	Pranav Tallapaka†	READI Semiconductor Program
Adesina, Kolawole	Poster #1689 presented 4/09 @ 1:30-2:30pm	Stefano Parducci†	Comparison between Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) and benchtop X-Ray Fluorescence (XRF) performance for trace elemental exposure in rat tissues
Adler, Jacob	Poster #1524 presented 4/09 @ 12:00-1:00pm	Emory Walker† Mara Welty† Emma Creviston†	Straw Cover Increases Garden Soil Microbial Biodiversity
Agarwal, Shubhanshu	Poster #1645 presented 4/09 @ 1:30-2:30pm	Opal Heltzel†	Tin Alloying of Barium Zirconium Sulfide
Aggarwal, Varun	Poster #1421 presented 4/09 @ 12:00-1:00pm	Abhigyan Doshi†	Creating specialised data sets for particle detection in microfluidic images
Aggrawal, Sakhi	Poster #1629 presented 4/09 @ 1:30-2:30pm	Atin Dewant†	Intercultural Competence in Pre-Freshman Study Abroad
Agrawal, Rakesh	Poster #1645 presented 4/09 @ 1:30-2:30pm	Opal Heltzel†	Tin Alloying of Barium Zirconium Sulfide
Aime, Cathie	Poster #1082 presented 4/09 @ 9:00-10:00am	Noah Lyon†	Development of species-specific PCR primer sets for the detection of <i>Sporobolomyces lactucae</i> , a leafy vegetable-associated yeast
Aime, Cathie	Poster #1245 presented 4/09 @ 10:30-11:30am	Ethan Fox†	The Effects of Coal Ash on Wetland Aquatic Fungal Biodiversity
Aime, Cathie	Poster #1403 presented 4/09 @ 12:00-1:00pm	Kay Annunziata†	The Effects of pH on Lichen Thallus, Lichen-Associated Algae, and Lichen-Associated Fungi.

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Alexeenko, Alina	Poster #1661 presented 4/09 @ 1:30-2:30pm	Yahor Lechanka† Matt Wheeler† Mason Whittington† Rohan Iyer† Angus Wai† Aubrey Gatewood†	FEMTA Suborbital Flight Experiment
Allen-Petersen, Brittany	Poster #1221 presented 4/09 @ 10:30-11:30am	Ella Rose Chianis†	The mechanism of indirect PP2A suppression by mutant KRAS in PDAC
Allen-Petersen, Brittany	Poster #1624 presented 4/09 @ 1:30-2:30pm	Sydney Clifford†	Unraveling the Mechanism for Decreased Mouse Survival in a Novel Pancreatic Cancer Model with PP2A-B56a Activation
Alqahtani, AJ	Poster #1069 presented 4/09 @ 9:00-10:00am	Caleb Klopfenstein†	The Effects of Lead Exposure on Retinal Neurons in the Visual System
Alvi, Muhammad Hammad	Poster #1670 presented 4/09 @ 1:30-2:30pm	Riley Mann†	Design and Prototyping of Compliant Robotic Grippers
Ambrose, Kingsly	Talk #7053 presented 4/11 @ 2:00pm	Tovia Owens†	Mechanosynthesis of Urea-Gypsum Cocrystals
Anandan, Sudharshan	Virtual #9024 presented 4/09-4/16 virtually	Sohan Pramanik†	Acoustic/photocatalytic air purification systems for HVAC applications
Appelmann, Rebecca	Poster #1605 presented 4/09 @ 1:30-2:30pm	Rebeca Appelmann†	The Effect of Cover Crop Inclusion on Soil Nitrogen Bioavailability
Appenzeller, Joerg	Poster #1294 presented 4/09 @ 10:30-11:30am	Darbin Oh† Benjamin Tofil† Gangsan Lee* Cheong Eun Kim* Lyu Jia Sue* Rakhmatillokhon Abdubaev* Jozue Kim*	Statistical Process Control in
Applegate, Bruce	Poster #1634 presented 4/09 @ 1:30-2:30pm	Athanasios Flessas† Carson Rockwell† Bailey Williams† Hayley Wong-Liong†	Determination of Threshold for Salmonella Growth to Allow Enumeration of Samples After Transportation
Ardekani, Arezoo	Poster #1466 presented 4/09 @ 12:00-1:00pm	Mauro Lopez-Carrillo† Shlok Kulkarni‡	Magnetic-Bead Based Microrheology for Soft Matter Systems
Ardekani, Arezoo	Poster #1513 presented 4/09 @ 12:00-1:00pm	Madeline Stevenson† Faith Chapman† Krttika Goel†	Flow of protein/colloidal solutions through a soft-porous gel matrix
Arora, Harshit	Poster #1284 presented 4/09 @ 10:30-11:30am	Mia Martinez† Paige Davis‡	Chemical Conjugation Method for Enhanced Diacylglycerol Multiple Reaction Monitoring Profiling
Arseneau, Deb	Poster #1628 presented 4/09 @ 1:30-2:30pm	Noelle Dennis†	Morocco Wellness Gateway
Aryal, Uma	Poster #1603 presented 4/09 @ 1:30-2:30pm	Morgan Albertson†	Comparison of different sample preparation methods for proteomic analysis
Aryal, Uma	Poster #1707 presented 4/09 @ 1:30-2:30pm	Faith Scott†	Identification of Biomarkers of Aging by Targeted Proteomics
Ashbaugh, Harry	Poster #1018 presented 4/09 @ 9:00-10:00am	Alexis Carroll† Aidan Dibble† Ann Marie Uhlmansiek† Amanda Wolf†	Gene Conservation and Comparison Between Host Bacteria <i>Arthrobacter globiformis</i> and Phage MellowYellow

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Ashbaugh, Harry	Poster #1028 presented 4/09 @ 9:00-10:00am	Luke DeLion† Alyson Owen† Nicholas Zolnierczuk† Junezuh Ghang‡	Confirming transmembrane protein potentials using algorithm-based prediction models
Ashbaugh, Harry	Poster #1053 presented 4/09 @ 9:00-10:00am	Zachery Heppner† Drake Strait† Hudson Schneider† Michael Perrin† Derek Temple† Katherine DeMarco†	Analyzing bacteriophage protein structural motifs utilizing a variety of novel software
Ashbaugh, Harry	Poster #1089 presented 4/09 @ 9:00-10:00am	Stan Melkumian† Elizaveta Filippova† Prakhar Saxena† Adam Weber† Ethan Shatz‡ Dean Stornello‡	Developing an Algorithm to Identify Potential Programmed Ribosomal Frameshifts in Arthrobacteriophage Genomes
Ashbaugh, Harry	Poster #1092 presented 4/09 @ 9:00-10:00am	Giovanni Minghetti† Seth Jimenez† Adelaide Bullard† Lillian Woolley†	Analysis on the Efficacy of Auto-Annotators in Bacteriophage Genomes
Ashbaugh, Harry	Poster #1105 presented 4/09 @ 9:00-10:00am	Enos Pray‡ Armand Destin‡ Adalene Stangeland‡ Amy Murdock‡ Anagha Gaitonde‡ Megan Painter‡	Pangenome Exploration of the Genomic Similarities Between AW Cluster Bacteriophages
Ashbaugh, Harry	Poster #1322 presented 4/09 @ 10:30-11:30am	Lauren Thompson† Bradley Shannon† Ryan Houser† Priyanshu Datta Roy†	Investigation of Ribosomal Activity in Novel Bacteriophage, Miss Americana
Ashbaugh, Harry	Poster #1404 presented 4/09 @ 12:00-1:00pm	Abigail Antonishek† Emma Jeffries† Madeline Stevenson† Molly Shean† Faith Wagner† Emma Kessinger†	Modeling Protein Secondary Structures of Bacteriophage Genes to Predict Function
Ashbaugh, Harry	Poster #1409 presented 4/09 @ 12:00-1:00pm	Isabella Belperio† Irina Zhilinskaya† Laney Shafer† Alexander Higgins†	Reverse, Reverse: An Investigation into the Purpose of Gene Orientation in Phages with Arthrobacter globiformis Host
Ashbaugh, Harry	Poster #1414 presented 4/09 @ 12:00-1:00pm	Taylor Buchowski† Sarah Choi† Anabela Djurovic-Topalovic† Aishwarya Menon† Amalia Rosenthal† Amelia Winkelman†	Investigating the Accuracy of Deep-Learning Models in Gene Identification: A Case Study of MellowYellow Gene 74
Ashbaugh, Harry	Poster #1433 presented 4/09 @ 12:00-1:00pm	Alexandra Gillman† Lucy Ehmann† Carolina Kim† Natalie Haynes† Henrietta Ndubuokwu† Danae Youngstedt‡	Yes, No, Maybe So: A Deep Dive into Possible Dual-Functionality Within MissAmericana Bacteriophage 37402-39051bp Gene

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Mentor Name	Presentation	Students	Title
Ashbaugh, Harry	Poster #1442 presented 4/09 @ 12:00-1:00pm	Carl Henry† Katie Smith† Conwy Zheng† Alex Martin† Salem Hallab† Thanh Nguyen†	The Role of Protein Structure in Determining Gene Function for Bacteriophages, DoctorPepper and RootBeer
Ashbaugh, Harry	Poster #1514 presented 4/09 @ 12:00-1:00pm	Gianna Stinsa† Kate Stanton† Joyce Yu† Alyssa Hudgins† Jingyi Ji† Morgan Laskowski†	Evaluating the Relationship of an Arthrobacteriophage's gene with Streptococcus Bacterium
Ashbaugh, Harry	Poster #1526 presented 4/09 @ 12:00-1:00pm	Tristen West† Zion Hackett* Lucas Urquiaga* Umbert Creighton Caseres* Dane Phillips* Ryan Lee*	Comparative analysis of bacteriophages in related clusters encoding pyrophosphatases.
Ashbaugh, Harry	Poster #1665 presented 4/09 @ 1:30-2:30pm	Manasvi Lingampally† Ashley Cumbee† Grace Troyer† Kayla Grennes‡ Amanda Pawlecki‡ Faith Chapman‡	Conservation of A. globiformis Genetics in the Genomes of Bacteriophages DoctorPepper and RootBeer.
Athmanathan, Venkat	Poster #1510 presented 4/09 @ 12:00-1:00pm	Parker Smith†	Innovative Solutions for Cleaner Air Travel: Ammonia as an Alternative Jet Fuel
Atkin, Annabelle	Poster #1289 presented 4/09 @ 10:30-11:30am	Audrey Middaugh†	The Role of Parent-Child Relationship Quality on the Association between Racial-Ethnic Socialization and Youth Well-being in Transracial Adoptees
Atkin, Annabelle	Poster #1697 presented 4/09 @ 1:30-2:30pm	Sarah Ramsey†	Examining the Identity Development and Community Experiences of Multiracial, Gender-Diverse Emerging Adults
Ault, Aaron	Poster #1460 presented 4/09 @ 12:00-1:00pm	Sejal Kumart† Paolo Gumasing† Jaehyuk Lee† Jiaqing Li† Leyton Bostre† Rohan Nachnani† Toby Onyekwere† Rebecca Rupp‡ Aditya Sivathanu‡	Timescale Creator Online
Ault, Aaron	Poster #1607 presented 4/09 @ 1:30-2:30pm	Samyukta Balaji† Ava Fasano† Aditya Sivathanu‡	Global Lexicon & Treatise: A Window into the Past
Babiak, Paulina	Talk #7063 presented 4/11 @ 3:00pm	Crystal Jiang†	High-throughput platform for macromolecular transport screening
Bachman, Brent	Poster #1015 presented 4/09 @ 9:00-10:00am	Jaden Brooks†	Weak Shock Exposure Is Behaviorally Different From Extinction In Reducing Stress-Enhanced Fear

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Bachman, Brent	Virtual #9001 presented 4/09-4/16 virtually	Sydney Bansback†	Early Food Insecurity: The Impact of Adolescent Food Insecurity on Early Adulthood Anxiety-Like Behaviors
Bagchi, Saurabh	Poster #1321 presented 4/09 @ 10:30-11:30am	Christopher Tan†	AdaptPoint: Adaptive 3D Object Detection System for Embedded GPUs
Bailey, Regan	Poster #1719 presented 4/09 @ 1:30-2:30pm	Lauren Urban†	Associations Between Diet Quality and Behavioral Outcomes in Children with Angelman Syndrome
Bailey, Regan	Talk #7022 presented 4/11 @ 11:40am	Carina Crisan†	Differences in Gut Microbial Patterns between Individuals with Angelman Syndrome and their First-Degree Relatives.
Balian, Lara	Poster #1065 presented 4/09 @ 9:00-10:00am	Ishita Katak†	User perspectives to inform the development of a rapid test for early detection of HIV.
Baloni, Priyanka	Poster #1706 presented 4/09 @ 1:30-2:30pm	Jenna Schoonmaker†	Identifying metabolic signatures associated with PFAS exposure and their role in neurotoxicity in the African clawed frog (<i>Xenopus laevis</i>)
Banerjee, Arnab	Poster #1309 presented 4/09 @ 10:30-11:30am	Gustavo Saez Cruz†	Semi classical Spin Liquids Using Landau Lifshitz Dynamics
Bansal, Shubhra	Poster #1036 presented 4/09 @ 9:00-10:00am	Mary Earp†	Resistance Calculator for Compliant Pillar Interconnects for Heterogeneous Integration
Bansal, Shubhra	Poster #1220 presented 4/09 @ 10:30-11:30am	Veronica Cheng†	Characterization of Cu-diamond Heat Spreaders for Embedded Chip Packages
Bansal, Swapnil	Poster #1644 presented 4/09 @ 1:30-2:30pm	Timothy Heint†	Purdue SoCET: Semiconductor Post-Layout Verification and Simulation
Barbarash, Dave	Poster #1218 presented 4/09 @ 10:30-11:30am	Leo Chen† Adarsh Veerapaneni* Amy Tong* Saandiya KPS Mohan* Jadden Picardal* Zilu (Johnny) Jin* Ata Ulas Guler* Alicia Zhou* Jin Hyun Kim*	How can game development engines simulate sensory stimuli?
Barbarash, Dave	Poster #1640 presented 4/09 @ 1:30-2:30pm	Ata Ulas Guler† Alicia Zhou† Zilu (Johnny) Jin† Jadden Picardal* Saandiya KPS Mohan* Leo Chen* Adarsh Veerapaneni* Amy Tong* Jin Hyun Kim*	How can simulated NPCs react in realistic ways to various weather conditions while pursuing behavioral goals?

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Barbarash, Dave	Virtual #9022 presented 4/09-4/16 virtually	Jadden Picard† Jin Hyun Kim† Saandiya KPS Mohan‡ Leo Chen‡ Adarsh Veerapaneni‡ Zilu (Johnny) Jin‡ Ata Ulas Guler‡ Alicia Zhou‡ Amy Tong‡	How would AI Non-Playable Characters react to changes in visual stimuli when navigating complex terrain?
Barocio, Eduardo	Poster #1075 presented 4/09 @ 9:00-10:00am	Harry Lee†	Internal Stress Relaxation and Geometry Simulation of Additively Manufactured Fiber Reinforced Thermoplastic Composite Through Heat Treatment
Barocio, Eduardo	Poster #1457 presented 4/09 @ 12:00-1:00pm	Seongyun Kim† Harry Lee‡	Investigation of 3D Printed Carbon Fiber Reinforced Thermoplastic Composite Tool Shape Stability During Heat Treatment
Barta, Riley	Poster #1248 presented 4/09 @ 10:30-11:30am	Darshak Gadagkar†	High Temperature Heat Pumps with Low-GWP Refrigerants
Bartlett, Edward	Poster #1263 presented 4/09 @ 10:30-11:30am	Audrey Harrison†	Effect of Small Arms Fire on Simple and Complex Auditory Processing
Bartlett, Edward	Poster #1288 presented 4/09 @ 10:30-11:30am	Valentina Micolisin† Emily Bell‡ Andy Navarro‡	Examination of Sex Differences in Click Auditory Brainstem Recordings and Auditory Thresholds Following Small Arms Fire-Like Noise Exposure
Bartlett, Edward	Poster #1408 presented 4/09 @ 12:00-1:00pm	Emily Bell† Andy Navarro‡	Effect of ketamine-dexdomitor anesthesia on outer hair cells following small arms fire-like noise exposure
Bartlett, Edward	Poster #1504 presented 4/09 @ 12:00-1:00pm	Anushka Shome†	A Computational Model of the Inferior Colliculus
Bartlett, Edward	Poster #1684 presented 4/09 @ 1:30-2:30pm	Andy Navarro† Emily Bell‡	Cochlear Hair Cell Integrity Across Frequencies Following Exposure to Small Arms Fire-Like Noise
Bartlett, Edward	Poster #1699 presented 4/09 @ 1:30-2:30pm	Paula Rivera Carrasquillo† Audrey Harrison* Emily Bell* Andy Navarro* Morgan DesEnfants* Sahil Desai* Anushka Shome* Valentina Micolisin*	Sexual Dimorphism in Subcortical Auditory Pathways: Investigating Sex-Specific, Long-Term Consequences of Damaging Noise Exposure
Barui, Amit	Poster #1506 presented 4/09 @ 12:00-1:00pm	Shiv Shukla†	In-Vitro Characterization of Ultrafine Particles Using Realistic Parameters to Predict Lung Deposition and Assess Health Effects
Baumgartner, Nicholas	Poster #1479 presented 4/09 @ 12:00-1:00pm	Mark Naguib†	The acute effect of resistance exercise and chronotype on memory consolidation in young and middle-aged adults.
Beauclair, Timothy	Talk #7042 presented 4/11 @ 1:20pm	David Kim†	Spatial and Temporal Diffusion of Secondary Injury Markers following Localized Brain Injury In Vitro

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Beckett, Linda	Poster #1043 presented 4/09 @ 9:00-10:00am	Brianna Gast† Lauren Jones‡ Addison Hill‡ Michayla Dinn‡ Ellie Ketcham‡	Characterization of lipid laden macrophages in colostrum and mature milk from multiparous dairy cows
Beckett, Linda	Poster #1060 presented 4/09 @ 9:00-10:00am	Lauren Jones† Addison Hill‡ Brianna Gast‡ Ellie Ketcham‡	Determination if populations of immune cells change between colostrum and mature milk of dairy cows
Beckett, Linda	Poster #1266 presented 4/09 @ 10:30-11:30am	Addison Hill† Lauren Jones‡ Brianna Gast‡ Ellie Ketcham‡	Circulating Immune Cell Population in Early Lactation Multiparous Dairy Cows
Beckett, Linda	Poster #1643 presented 4/09 @ 1:30-2:30pm	Emerson Hainest† Evy Tobolski‡	Impact of Colostrum Feeding on Mammary Gland Cell Proliferation
Beckett, Linda	Talk #7017 presented 4/11 @ 10:00am	Evy Tobolski†	The Role of Conductive Cooling and Moringa oleifera Supplementation of Heat Stressed Sows on the Cheek Lipidome of Neonatal Piglets
Beechem, Thomas	Virtual #9034 presented 4/09-4/16 virtually	Epiphany White†	Unraveling Defects in Hafnium-Zirconium Oxide
Beegle, Stephen	Poster #1463 presented 4/09 @ 12:00-1:00pm	Elizabeth Lawson†	Evaluating Naloxone Implementation Efforts in Emergency Departments within the HEALng Communities Study: A Case Study from 19 Counties in Ohio
Begeske, Jasmine	Poster #1653 presented 4/09 @ 1:30-2:30pm	Jacob Jenkins† Emma Jones‡	Developing Positive Pre-Service Teacher-Student Relationships through Field Experiences
Begeske, Jasmine	Virtual #9029 presented 4/09-4/16 virtually	Riley Tague† Elaine Huang‡	Family Engagement: Reflecting on the Importance of Building Positive Relationships
Behrend, Tara	Talk #7046 presented 4/11 @ 1:40pm	Leland Huey†	Latent Learning Trends Using AI and VR
Bejarano, Andres	Poster #1709 presented 4/09 @ 1:30-2:30pm	Anvit Sinha† Shruti Goyal† Zachary Will Sy†	Generative AI in Education
Bejarano, Andres	Talk #7019 presented 4/11 @ 10:40am	Shubhaang Agarwal† Benson Tsai* Tzung-Ying Hsieh* Aanya Jha* Jiarui Xie* Nilisha Bhandari*	Tool for Runtime Analysis and Complexity Evaluator (TRACE)
Bellisario, Kristen	Poster #1056 presented 4/09 @ 9:00-10:00am	Luca Iacobucci† Sierra Hunnicutt‡ Hannah Reyes Charles‡ Katie Hong‡ Zhixin Cai‡ Ryan Feller‡ Anthony Tan‡	How can GIS be used to calculate and inform wildlife corridor creation to facilitate dispersal of extirpated species to their historic habitat?

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Bellisario, Kristen	Poster #1269 presented 4/09 @ 10:30-11:30am	Sierra Hunnicutt† Zhixin Cai‡ Ryan Feller‡ Katie Hong‡ Luca Iacobucci‡ Hannah Reyes Charles‡ Anthony Tan‡	How does proximity to moving water impact biodiversity of a Central Indiana habitat, using AI and geo-informational technology?
Bellisario, Kristen	Poster #1415 presented 4/09 @ 12:00-1:00pm	Zhixin Cai† Saloni Parkar* Isabella Duzman*	Analysis of Cicada appearance through a pre-built TensorFlow model BirdNet and a custom audio classifier
Bellisario, Kristen	Poster #1444 presented 4/09 @ 12:00-1:00pm	Katie Hong† Sierra Hunnicutt‡ Hannah Reyes Charles‡ Zhixin Cai‡ Ryan Feller‡ Luca Iacobucci‡ Anthony Tan‡	How does mammal species diversity in a gradient of habitat features predict bobcat presence in the Central Till plains?
Bellisario, Kristen	Poster #1492 presented 4/09 @ 12:00-1:00pm	Hannah Reyes Charles† Sierra Hunnicutt‡ Katie Hong‡ Zhixin Cai‡ Ryan Feller‡ Luca Iacobucci‡ Anthony Tan‡	How does an open prairie compared to a water edge habitat affect biodiversity of an acoustic community that is considered mesocarnivore resources?
Bellisario, Kristen	Poster #1517 presented 4/09 @ 12:00-1:00pm	Anthony Tan† Sierra Hunnicutt‡ Hannah Reyes Charles‡ Katie Hong‡ Zhixin Cai‡ Ryan Feller‡ Luca Iacobucci‡	How does a machine learning image classifier improve the workflow of a wildlife monitoring project?
Bellisario, Kristen	Poster #1690 presented 4/09 @ 1:30-2:30pm	Saloni Parkar† Isabella Duzman* Zhixin Cai*	Exploring the Efficacy of Acoustic Monitoring in Insect Biodiversity Assessment: Insights from BirdNet and Seasonal Activity Patterns
Bendito, Petronio	Poster #1618 presented 4/09 @ 1:30-2:30pm	Coco Chen† Rae Fu† Jackson Novak†	Color design and infographics of the RGB and HSB Color Systems
Benedicto, Elena	Talk #8001 presented 4/11 @ 10:20am	Yongjia Deng†	"Short" Verb Movement in Gan Hakka
Benedicto, Elena	Talk #8009 presented 4/11 @ 1:00pm	Daniella Simon† Isabella Davis†	Choice of Classifier Handshape in Motion Predicates in ASL
Bentley, R. Timothy	Poster #1000 presented 4/09 @ 9:00-10:00am	Teagan Ames-Majeski†	Evaluation of Cytotoxic Effects and Anti-Tumor Efficacy of Targeted Tumor-Associated Macrophage Treatment Using Ferumoxytol in Canine Gliomas
Bera, Aniket	Talk #7080 presented 4/11 @ 4:00pm	Revanth Krishna Senthilkumarant† Mridu Prashanth†	ARTEMIS: AI-driven Robotic Triage Labeling and Emergency Medical Information System
Bermel, Peter	Poster #1031 presented 4/09 @ 9:00-10:00am	Brian Dodd† Fraser Dougall‡	Evaluating the Radiation-Hardness of Varying COTS EEPROMs in a Thermal Neutron Environment

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Bermel, Peter	Poster #1078 presented 4/09 @ 9:00-10:00am	Isabella Levine†	Investigation of high energy radiation effects on electronic memory devices
Bermel, Peter	Poster #1235 presented 4/09 @ 10:30-11:30am	Fraser Dougall† Brian Dodd‡	Analysis of Thermal Neutron-Induced Degradation in Commercial SOIC and TSSOP EEPROMs Across Varying Memory Capacities
Bermel, Peter	Poster #1242 presented 4/09 @ 10:30-11:30am	Mason Fleming†	Modelling Transistors in a Simulated Radiation Environment
Bermel, Peter	Poster #1531 presented 4/09 @ 12:00-1:00pm	Kevin Yu†	New Materials for Accelerated and Eco-Friendly Photonic Integrated Circuits
Bermel, Peter	Poster #1611 presented 4/09 @ 1:30-2:30pm	Spencer Bowles† Vidisha Singhal†	Efficient simulation of degenerate optical parametric oscillator networks for combinatorial optimization
Bernal, Ximena	Poster #1091 presented 4/09 @ 9:00-10:00am	Mickayla Miller†	Calling sites of frogs are not optimal for signal transmission
Bernal, Ximena	Poster #1094 presented 4/09 @ 9:00-10:00am	Kathryn Myer†	Closely related species of frogs experience different levels of signal degradation in a tropical forest
Besiktepe, Deniz	Poster #1083 presented 4/09 @ 9:00-10:00am	Yashwanth Reddy Mahesh Kumar†	Career expectations of college students in Construction Management and related fields
Bhandari, Santosh	Poster #1023 presented 4/09 @ 9:00-10:00am	Vladimir Condino† Jaiveer Dutta† Andrew Nilsson† James Strayhorn† Andrew Coleman†	Separating Standard Model and SUSY Dataframes Using Neural Networks
Bhat, Shivam	Poster #1063 presented 4/09 @ 9:00-10:00am	Connie Kang† Rongbo Hu† Nicholas Martel† Qinjia Xu‡ Jessica Lyng‡ Jiaming Fang‡	Power Limitation Based on Supercapacitor
Bhat, Shivam	Poster #1293 presented 4/09 @ 10:30-11:30am	Alexander Nishio† Dhanush Tipparaju† Jayson Stansbury*	RoboMasters Launcher Optimization
Bhat, Shivam	Poster #1471 presented 4/09 @ 12:00-1:00pm	Nicholas Martel† Tom O'Donnell† Thomas Greer† Yash Mehta‡	RoboMaster Auto-Aim System Tuning
Bhat, Shivam	Poster #1518 presented 4/09 @ 12:00-1:00pm	Emma Teng† Rongbo Hu† Nicholas Martel† Connie Kang† Mary Earp‡ Kalea Gin‡	Self-Navigated Unpowered Dart
Bhat, Shivam	Virtual #9016 presented 4/09-4/16 virtually	Yuechan Li†	RoboMaster Hero Robot Shooting System Tuning
Bhatt, Smriti	Poster #1104 presented 4/09 @ 9:00-10:00am	Vinh Pham Ngoc Thanh†	Towards Secure Data Communication in Internet of Things using Attribute-Based Access and Communication Control (ABAC-CC)

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Bhatt, Smriti	Virtual #9005 presented 4/09-4/16 virtually	Ziwen Cai†	Deep Learning Based access control model's application in IoT
Bhuiyan, Faharia Hasan	Poster #1220 presented 4/09 @ 10:30-11:30am	Veronica Cheng†	Characterization of Cu-diamond Heat Spreaders for Embedded Chip Packages
Blackmon, Samantha	Talk #7038 presented 4/11 @ 12:00pm	Joanna Senfft†	The Making of the BGA: Black Games Archive
Blackwood, Paradyse	Poster #1073 presented 4/09 @ 9:00-10:00am	Megan Lawson†	The interactive effects of temperature and salinity in Bd infection in bullfrog tadpoles
Blake Heise, Madelyn	Poster #1291 presented 4/09 @ 10:30-11:30am	Lillian Millsbaugh†	Examining the relationship between attention and negative affect in infancy
Blankenau, Amelia	Poster #1289 presented 4/09 @ 10:30-11:30am	Audrey Middaugh†	The Role of Parent-Child Relationship Quality on the Association between Racial-Ethnic Socialization and Youth Well-being in Transracial Adoptees
Blickenstaff, Marianne	Talk #8003 presented 4/11 @ 11:00am	Sophia Cross†	Metamorphoses 1.294: Context and Implications in Roman Literature
Boavida, Leonor	Poster #1636 presented 4/09 @ 1:30-2:30pm	Alaina Gartner† Keila Jellings‡	The Function of Gamete Expressed-Endopeptidases in Double Fertilization
Boavida, Leonor	Talk #7068 presented 4/11 @ 3:40pm	Keila Jellings†	Examining how Mitochondrial Content Differences in Twin Plant Sperm Cells Impact Double Fertilization
Bobet, Antonio	Poster #1667 presented 4/09 @ 1:30-2:30pm	Jingqing Liu†	Seismic Cracking of Embankments and Earth Dams
Boerman, Jacquelyn	Poster #1081 presented 4/09 @ 9:00-10:00am	Erica Long†	A prediction model of antibiotic treatment success in dairy calves with bovine respiratory disease
Boerman, Jacquelyn	Talk #7052 presented 4/11 @ 1:40pm	Hsin-Yu (Sinyu) Hou†	Estimation of Genetic Parameters for Twinning Rate in Holstein Cattle
Boltasseva, Alexandra	Poster #1008 presented 4/09 @ 9:00-10:00am	Michael Bezick† Veal Iyer†	Applications of Variational Neural Annealing for Machine Learning-Assisted Topological Optimization
Boltasseva, Alexandra	Poster #1282 presented 4/09 @ 10:30-11:30am	Rohan Malavathu†	NanoMCMC and Polytensor
Boltasseva, Alexandra	Poster #1621 presented 4/09 @ 1:30-2:30pm	Geetika Chitturi† Trang Do†	Machine learning-assisted rapid clustering and mechanism exploration of single photon emitters
Boor, Brandon	Talk #7010 presented 4/11 @ 10:40am	Grayson Wittbrod†	Real-Time Volatile Chemical Screening of Environmental Media to Support Disaster Response
Borovsky, Arielle	Poster #1006 presented 4/09 @ 9:00-10:00am	Olivia Battaglia† Jacqueline O'Malley†	Language in Action: The Association between Toddlers' Motor Skills and Language Learning
Borovsky, Arielle	Poster #1286 presented 4/09 @ 10:30-11:30am	Kathryn McGregor† Ellen Densmore* Madison Miller* Katelyn Decker*	Semantic Feature Category's Impact on Early Word Learning
Borovsky, Arielle	Poster #1481 presented 4/09 @ 12:00-1:00pm	Emma Niecikowski†	Vocabulary Acquisition in Children in Relation to Distress from the COVID-19 Pandemic

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Mentor Name	Presentation	Students	Title
Bosman, Lisa	Poster #1099 presented 4/09 @ 9:00-10:00am	Vidhi Patel†	Unraveling the Impact of Generative AI in the Classroom and Education Research
Bosman, Lisa	Poster #1250 presented 4/09 @ 10:30-11:30am	Mridulla Ganesh†	Perceived Participant Learning Gains Attained While Participating in an REU Program
Bosman, Lisa	Poster #1260 presented 4/09 @ 10:30-11:30am	Riddhi Gupta†	Impact of Generative AI on Education
Bosman, Lisa	Poster #1703 presented 4/09 @ 1:30-2:30pm	Aishani Sakalabhaktula†	How do perceived learning gains compare across three NSF REU (Research Experience for Undergraduates) sessions?
Bosman, Lisa	Talk #7027 presented 4/11 @ 11:20am	Rhea Dutta†	Engineering Faculty Perceptions of Participating in a SoTL Professional Development Intervention
Bowman, Aaron	Poster #1241 presented 4/09 @ 10:30-11:30am	Mia Fleisher-de Kozant†	Effects of developmental methylmercury exposure on eIF2 signaling pathway in the presence of secondary stressors
Bowman, Aaron	Poster #1505 presented 4/09 @ 12:00-1:00pm	Serena Shughoury†	Without a Trace: Investigating Residual Effects of Methylmercury on Neuronal Development
Bowman, Aaron	Talk #7073 presented 4/11 @ 3:20pm	Madeleine Strom†	Developmental Exposure of Human Induced Pluripotent Stem Cell-derived Cortical Cultures to Methylmercury Induces Persistent Functional Effects
Bramson, Ali	Talk #7059 presented 4/11 @ 2:20pm	Sara Cuevas-Quiñones†	Cold Spot Crater Characterization on the Moon Using an Unsupervised Neural Network
Brightman, Andrew	Poster #1696 presented 4/09 @ 1:30-2:30pm	Tyler Ramsey†	Applying the Critical Incident Technique to Analyze the Ethical/Unethical Experiences of Biomedical Engineering Faculty
Brinton, Christopher	Poster #1297 presented 4/09 @ 10:30-11:30am	Adam Piaseczny†	The Impact of Adversarial Node Placement in Decentralized Federated Learning Networks
Brito, Luiz	Talk #7052 presented 4/11 @ 1:40pm	Hsin-Yu (Sinyu) Hou†	Estimation of Genetic Parameters for Twinning Rate in Holstein Cattle
Brown, Jennifer	Poster #1463 presented 4/09 @ 12:00-1:00pm	Elizabeth Lawson†	Evaluating Naloxone Implementation Efforts in Emergency Departments within the HEALng Communities Study: A Case Study from 19 Counties in Ohio
Brown-Leung, Josephine	Poster #1228 presented 4/09 @ 10:30-11:30am	Matthew Corson† Sofia Schumann‡	Validation of the neuromelanin-forming rats to model Parkinson's Disease and their implication in HAA-induced dopaminergic neurotoxicity
Brown-Leung, Josephine	Poster #1299 presented 4/09 @ 10:30-11:30am	Hurshal Pol†	Investigating PFOS Induced Neurobehavioral Hyperactivity and Motor Behavior
Brown-Leung, Josephine	Poster #1499 presented 4/09 @ 12:00-1:00pm	Sofia Schumann† Dia Jhaveri‡ Matthew Corson‡	Neurobehavioral characterization of chlorpyrifos exposure on Pon-1 (-/-) rat model

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Mentor Name	Presentation	Students	Title
Brownell, Kathryn	Talk #7039 presented 4/11 @ 12:20pm	Kris Sass†	The Effectiveness of Protest Strategies: An ACT UP Analysis
Brubaker, Douglas	Poster #1682 presented 4/09 @ 1:30-2:30pm	Asmi Mukherjee†	Leveraging Cancer-Associated Mutations to Identify Synthetic Lethal Therapeutic Strategies in Endometriosis
Budimir, Zach	Poster #1270 presented 4/09 @ 10:30-11:30am	Dabin Jung†	Structural Investigation of Ulleungmycin A Offloading Mechanism
Burgos, Chandler	Poster #1040 presented 4/09 @ 9:00-10:00am	John Frandina† Gabrielle Pedigo†	Understanding of Radiation and Health Physics in High School Students
Burgos, Chandler	Talk #7011 presented 4/11 @ 10:00am	Daniel Read†	Dosimetry Testing for a New In-Vivo X-Ray Fluorescence Measurement System
Buzon, Michele	Poster #1234 presented 4/09 @ 10:30-11:30am	Sophia DeWitt†	Distribution and Pattern Analysis of Osteoarthritis in an Ancient Tombois Population
Byrd, Vetrica	Poster #1402 presented 4/09 @ 12:00-1:00pm	Kihunn Anderson†	Harnessing Cytoscape: Visualizing Systemic Lupus Erythematosus Symptoms and Treatment
Campbell, Nathan	Poster #1663 presented 4/09 @ 1:30-2:30pm	Rebecca Lewis†	Impact of serum advanced glycation end-products and RAGE inhibitor administration on patellar tendon healing in a mouse model
Campbell, Wayne	Poster #1244 presented 4/09 @ 10:30-11:30am	Madyson Foster†	Does Adding Lean Red Meat to a Healthy Vegetarian Diet Affect the Gut-Derived Metabolite Trimethylamine Oxide?
Campbell, Wayne	Talk #7072 presented 4/11 @ 3:00pm	Nok In Chan†	Does Consuming Mushrooms with a Healthy Mediterranean-style Dietary Pattern Affect Indexes of Brain Health in Adults?
Cannon, Jason	Poster #1228 presented 4/09 @ 10:30-11:30am	Matthew Corson† Sofia Schumann‡	Validation of the neuromelanin-forming rats to model Parkinson's Disease and their implication in HAA-induced dopaminergic neurotoxicity
Cannon, Jason	Poster #1299 presented 4/09 @ 10:30-11:30am	Hurshal Pol†	Investigating PFOS Induced Neurobehavioral Hyperactivity and Motor Behavior
Cannon, Jason	Poster #1499 presented 4/09 @ 12:00-1:00pm	Sofia Schumann† Dia Jhaveri‡ Matthew Corson‡	Neurobehavioral characterization of chlorpyrifos exposure on Pon-1 (-/-) rat model
Carne, Daniel	Poster #1448 presented 4/09 @ 12:00-1:00pm	Aakar Jain†	Pigment-Based Colored Radiative Cooling Paints for UV-Resistant Passive Cooling
Carpenter, Robin	Poster #1627 presented 4/09 @ 1:30-2:30pm	Gino Daniels† Sean Wall† Cole Murphy† Ishan Goel† Bornik Nag† Ayusha Patra† Fabiana Correat†	Improving Efficiency of Track Particle Clustering using Hybrid Classical-Quantum Computing for Future Detectors

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Mentor Name	Presentation	Students	Title
Carrizales, Alexia	Poster #1300 presented 4/09 @ 10:30-11:30am	Alejandra Porras Hernandez†	The comparison between the presence/absence of health insurance, educational level and physical health, among rural Latine adults from agricultural and farmwork families
Carroll, Chad	Poster #1097 presented 4/09 @ 9:00-10:00am	Karina Paone†	Impact of RAGE Inhibitor Administration on Tendon Biomechanical Properties in Mouse Model of Type 2 Diabetes
Carroll, Chad	Poster #1429 presented 4/09 @ 12:00-1:00pm	Matthew Fortino†	Serum AGEs Correlation to Diabetes and Tendon Properties
Carroll, Chad	Poster #1663 presented 4/09 @ 1:30-2:30pm	Rebecca Lewis†	Impact of serum advanced glycation end-products and RAGE inhibitor administration on patellar tendon healing in a mouse model
Carvajal, Teresa	Poster #1253 presented 4/09 @ 10:30-11:30am	Junezuh Ghang†	Exploring the Surface Dynamics and Flowability of Soy-Derived Products for Diverse Applications.
Carvajal, Teresa	Poster #1506 presented 4/09 @ 12:00-1:00pm	Shiv Shukla†	In-Vitro Characterization of Ultrafine Particles Using Realistic Parameters to Predict Lung Deposition and Assess Health Effects
Carvajal, Teresa	Poster #1515 presented 4/09 @ 12:00-1:00pm	Drake Strait†	Investigating the Impact of Voltage on Protein Stability in Electrostatic Spray Drying for Pharmaceuticals
Casey, Theresa	Poster #1043 presented 4/09 @ 9:00-10:00am	Brianna Gast† Lauren Jones‡ Addison Hill‡ Michayla Dinn‡ Ellie Ketcham‡	Characterization of lipid laden macrophages in colostrum and mature milk from multiparous dairy cows
Casey, Theresa	Poster #1060 presented 4/09 @ 9:00-10:00am	Lauren Jones† Addison Hill‡ Brianna Gast‡ Ellie Ketcham‡	Determination if populations of immune cells change between colostrum and mature milk of dairy cows
Casey, Theresa	Poster #1266 presented 4/09 @ 10:30-11:30am	Addison Hill† Lauren Jones‡ Brianna Gast‡ Ellie Ketcham‡	Circulating Immune Cell Population in Early Lactation Multiparous Dairy Cows
Casey, Theresa	Poster #1643 presented 4/09 @ 1:30-2:30pm	Emerson Hainest† Evy Tobolski‡	Impact of Colostrum Feeding on Mammary Gland Cell Proliferation
Casey, Theresa	Talk #7017 presented 4/11 @ 10:00am	Evy Tobolski†	The Role of Conductive Cooling and Moringa oleifera Supplementation of Heat Stressed Sows on the Cheek Lipidome of Neonatal Piglets
Castillo, Alberto	Poster #1135 presented 4/09 @ 9:00-10:00am	Anel Zhussupbekova†	Potential Incompatibilities between Admixtures and Nontraditional and Natural Pozzolans (NNPs) in Cementitious Systems
Castillo, Alberto	Poster #1451 presented 4/09 @ 12:00-1:00pm	Ali Kalmagambetov†	Effect of Nano-silica Admixtures on Air Void Content of Concrete Used for Bridges

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Mentor Name	Presentation	Students	Title
Castillo, Andres	Poster #1051 presented 4/09 @ 9:00-10:00am	Khaleel Ibrahim Hassan†	Integration of paper-based wearable sensors on quadrupeds for precision agriculture
Cavanaugh, Patrick	Poster #1207 presented 4/09 @ 10:30-11:30am	Aaron Banks†	Predicting Cycling Drivetrain Performance from Sound: Auto-Encoder Analysis for Predictive Maintenance
Ccorahua-Santo, Robert	Poster #1118 presented 4/09 @ 9:00-10:00am	Richard Silvester† Aadi Jangid† Alejandra De la Torre Garcia† Aarohi Panzade‡ Philip Liu‡ Pavan Sathengeri‡ Katelin Mcalli Rainey‡ Ji Yeon Lee‡	Speech recognition in Aphasia Patients through Self-Powered Wearable Sensors
Ccorahua-Santo, Robert	Poster #1485 presented 4/09 @ 12:00-1:00pm	Abigail Origer†	Circuit design of self-powered wearable sensors: A proof of concept with a cardiovascular triboelectric sensor
Centeno Martinez, Ruth	Poster #1081 presented 4/09 @ 9:00-10:00am	Erica Long†	A prediction model of antibiotic treatment success in dairy calves with bovine respiratory disease
Ceperley, Alexander	Poster #1323 presented 4/09 @ 10:30-11:30am	Austin Throckmorton†	Temperature-Controlled Transition Boiling at the Stagnation Zone during Submerged Jet Impingement of a Dielectric Fluid
Cesar Krause, Bruno	Poster #1061 presented 4/09 @ 9:00-10:00am	Christina Joslin†	Public Adoption of New versus Pre-owned Electric Vehicles
Cha, Go-Eum	Poster #1320 presented 4/09 @ 10:30-11:30am	Dayoon Suht†	Activity-based Behavioral Cooking Proficiency Estimation with Graph Neural Networks and Transformer
Chan, Deva	Poster #1120 presented 4/09 @ 9:00-10:00am	Aavya Srivastava†	Longitudinal Assessment of Gait Dynamics in Mice
Chan, Deva	Poster #1227 presented 4/09 @ 10:30-11:30am	Aaron Coppeta†	Investigation of hydrogel composition effect on chemical and material properties of a three-dimensional articular cartilage model
Chan, Deva	Poster #1673 presented 4/09 @ 1:30-2:30pm	Allison Matovic† Sanjana Muniraj*	The Effects of Lactobacillus Casei and Streptococcus Mitis on Sulfated Glycosaminoglycan Content and RNA Expression in Chondrocytes
Chan, Deva	Talk #7008 presented 4/11 @ 10:00am	Noah Jasinkiewicz† Sarah Staller‡	Exploring Gut Microbiome Interventions in Age-Related Osteoarthritis Progression: Insights from Mouse Model Studies
Chang, Leifu	Poster #1132 presented 4/09 @ 9:00-10:00am	Gwyneth Wong†	Investigating the Role of Novel Type V-A Anti-CRISPR in Inhibiting CRISPR-Cas12a Bacterial Immune System

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Mentor Name	Presentation	Students	Title
Chang, Younggil	Poster #1236 presented 4/09 @ 10:30-11:30am	Avi Dubet† Peter Zakariya† Sully Cisco* Justin Gan* Sahithi Gokavarapu* Josh Krohn* Derek Matthei* Anne Mitten* Pranati Patchigolla*	SWARMS: Multi-Agent Control Simulation Platform
Chang-Alexander, Stewart	Poster #1495 presented 4/09 @ 12:00-1:00pm	Ana Rojas†	Listening Beyond Words: the Analysis of Cultural Identity Audio Biographies
Charles, Emmanuel	Talk #7005 presented 4/11 @ 9:00am	Shayden Jones† Max Zeltsar‡	Livestock Predation Patterns by Lions, Leopards, and Spotted Hyenas in the Ngorongoro Conservation Area, Tanzania
Chaterji, Somali	Poster #1321 presented 4/09 @ 10:30-11:30am	Christopher Tan†	AdaptPoint: Adaptive 3D Object Detection System for Embedded GPUs
Chatzidakis, Stylianos	Poster #1031 presented 4/09 @ 9:00-10:00am	Brian Dodd† Fraser Dougall‡	Evaluating the Radiation-Hardness of Varying COTS EEPROMs in a Thermal Neutron Environment
Chatzidakis, Stylianos	Poster #1078 presented 4/09 @ 9:00-10:00am	Isabella Levine†	Investigation of high energy radiation effects on electronic memory devices
Chatzidakis, Stylianos	Poster #1235 presented 4/09 @ 10:30-11:30am	Fraser Dougall† Brian Dodd‡	Analysis of Thermal Neutron-Induced Degradation in Commercial SOIC and TSSOP EEPROMs Across Varying Memory Capacities
Chawla, Nikhilesh	Poster #1631 presented 4/09 @ 1:30-2:30pm	Avik Dutta†	Design of In Situ Thermal Stage for X-ray Computed Tomography (XCT) of Semiconductor Packages
Chen, Boyuan	Poster #1431 presented 4/09 @ 12:00-1:00pm	Yunfei Gao† Carson Denoo† Chuan-Chen Ko†	ZS project
Chen, Jingjuan	Poster #1507 presented 4/09 @ 12:00-1:00pm	Erik Sillaste†	FAM210A Mediates Skeletal Muscle Regeneration After Injury and Promotes Myogenic Differentiation
Chen, Ruihan	Poster #1531 presented 4/09 @ 12:00-1:00pm	Kevin Yu†	New Materials for Accelerated and Eco-Friendly Photonic Integrated Circuits
Chen, Ying Cheng	Poster #1487 presented 4/09 @ 12:00-1:00pm	Amanda Pawlecki† Aryaman Dewan*	PASylation as a promising protein modification to prolong Interleukin 27 (IL-27) half-life
Chen, Yuheng	Poster #1621 presented 4/09 @ 1:30-2:30pm	Geetika Chitturi† Trang Do†	Machine learning-assisted rapid clustering and mechanism exploration of single photon emitters

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Mentor Name	Presentation	Students	Title
Chen, Zhihong	Poster #1294 presented 4/09 @ 10:30-11:30am	Darbin Oh† Benjamin Tofil‡ Gangsan Lee* Cheong Eun Kim* Lyu Jia Sue* Rakhmatillokhon Abdubaev* Jozue Kim*	Statistical Process Control in
Cherkauer, Keith	Poster #1211 presented 4/09 @ 10:30-11:30am	Alexandra Britto† Kayla Osen‡	Remote Sensing of Water Quality
Cherkauer, Keith	Poster #1503 presented 4/09 @ 12:00-1:00pm	Chi Hun Shin†	Image Analysis of Irrigated Crops
Chester, Julia	Poster #1016 presented 4/09 @ 9:00-10:00am	Tori Burke† Roma Kamat‡ Parker Davis‡	Alcohol exposure during aging: Effects on recognition memory and compulsive-like behaviors.
Chhetri, Apekshya	Poster #1311 presented 4/09 @ 10:30-11:30am	Kali Sayovitz†	Developing a Dual Enzyme Spectrophotometric Assay to Quantify Hydrogen Sulfide Production by Recombinant Tryptophanase
Chiu, Yu-Chin	Virtual #9009 presented 4/09-4/16 virtually	Huimin Gai† Qiaoqiao Wang†	Testing the punishment influence on human proactive and reactive meta- control.
Chmielewski, Jean	Poster #1129 presented 4/09 @ 9:00-10:00am	Andrew Walke† Emmaleigh Shinno‡	Mechanistic features of Cationic Amphiphilic Polyproline Helix (CAPH) interactions with the biological membranes
Cho, Hyeree	Poster #1313 presented 4/09 @ 10:30-11:30am	Anshi Shastry†	Pre-Service Teachers' Perceived Relevance of Scenarios Reflecting Motivational Challenges during Field- Based Experiences
Cho, Yeseol	Poster #1005 presented 4/09 @ 9:00-10:00am	Ella Barnes† Emily Klaiber‡	Current State of parental HPV Vaccine Hesitancy: An Integrative Review
Chobe, Gaurav	Poster #1296 presented 4/09 @ 10:30-11:30am	Raahil Pattan†	The Behavior of Anchorages and Subassemblies Under Moment Loading
Chobe, Gaurav	Poster #1489 presented 4/09 @ 12:00-1:00pm	Alexander Piet†	Concrete Anchors Under Stress
Choi, Sung Jun	Poster #1623 presented 4/09 @ 1:30-2:30pm	Min Yong Chun†	Investigation of patching effect using carbon fiber reinforced polymer on damaged composite material.
Choi, Sung Jun	Talk #7035 presented 4/11 @ 12:00pm	Clayton Cobb† Jeremy Rashkin† Chloe Graham†	Digitalized Manufacturing of Fiber- reinforced Composite Patching for Steel Bridge Girder Repair
Choi, Yooseung	Talk #7029 presented 4/11 @ 12:00pm	Craig Cheung† Abhishek Kinit† Aayush Iyengar† Nikita Dubrovskiy†	Autonomous in-air charging for UAVs
Choi, Youn	Virtual #9011 presented 4/09-4/16 virtually	Renee Hallstein†	PFAS Fate and Transport in a Field Study with land applied biosolids
Chopra, Gaurav	Poster #1284 presented 4/09 @ 10:30-11:30am	Mia Martinez† Paige Davis‡	Chemical Conjugation Method for Enhanced Diacylglycerol Multiple Reaction Monitoring Profiling

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Mentor Name	Presentation	Students	Title
Chortos, Alex	Poster #1659 presented 4/09 @ 1:30-2:30pm	Hayden Krisko†	Fused Deposition Manufacturing of Elastomer Fibers via Single Chamber Co-Axial Extrusion
Chortos, Alex	Talk #7043 presented 4/11 @ 1:40pm	Pranav Parig†	Material Stiffness Sensing using DEAs
Chou, Benjamin Shiue-Hal	Poster #1606 presented 4/09 @ 1:30-2:30pm	Gurtej Bagga† Shrinand Perumal† Anthony Wang† Brian Qi† Josh Kamphuis*	Artificial Intelligence in Music - Evaluator
Choudhari, Archana	Poster #1215 presented 4/09 @ 10:30-11:30am	Joseph Carrig† Jingyu Xiao† Massimo Lapina†	Earth Remote Sensing utilizing Signals of Opportunity
Chukwu, Rita	Talk #7025 presented 4/11 @ 11:40am	Tanya Pinthapataya†	School Environmental Factors and Substance Use Disparities in Indiana Adolescent
Clase, Kari	Poster #1018 presented 4/09 @ 9:00-10:00am	Alexis Carroll† Aidan Dibble† Ann Marie Uhlmansiek† Amanda Wolf†	Gene Conservation and Comparison Between Host Bacteria <i>Arthrobacter globiformis</i> and Phage MellowYellow
Clase, Kari	Poster #1028 presented 4/09 @ 9:00-10:00am	Luke DeLion† Alyson Owen† Nicholas Zolnierczuk† Junezuh Ghang‡	Confirming transmembrane protein potentials using algorithm-based prediction models
Clase, Kari	Poster #1053 presented 4/09 @ 9:00-10:00am	Zachery Heppner† Drake Strait† Hudson Schneider† Michael Perrin† Derek Temple† Katherine DeMarco†	Analyzing bacteriophage protein structural motifs utilizing a variety of novel software
Clase, Kari	Poster #1089 presented 4/09 @ 9:00-10:00am	Stan Melkumian† Elizaveta Filippova† Prakhar Saxena† Adam Weber† Ethan Shatz‡ Dean Stornello‡	Developing an Algorithm to Identify Potential Programmed Ribosomal Frameshifts in <i>Arthrobacteriophage</i> Genomes
Clase, Kari	Poster #1092 presented 4/09 @ 9:00-10:00am	Giovanni Minghetti† Seth Jimenez† Adelaide Bullard† Lillian Woolley†	Analysis on the Efficacy of Auto-Annotators in Bacteriophage Genomes
Clase, Kari	Poster #1105 presented 4/09 @ 9:00-10:00am	Enos Pray‡ Armand Destin‡ Adalene Stangeland‡ Amy Murdock‡ Anagha Gaitonde‡ Megan Painter‡	Pangenome Exploration of the Genomic Similarities Between AW Cluster Bacteriophages
Clase, Kari	Poster #1322 presented 4/09 @ 10:30-11:30am	Lauren Thompson† Bradley Shannon† Ryan Houser† Priyanshu Datta Roy†	Investigation of Ribosomal Activity in Novel Bacteriophage, Miss Americana

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Mentor Name	Presentation	Students	Title
Clase, Kari	Poster #1404 presented 4/09 @ 12:00-1:00pm	Abigail Antonishek† Emma Jeffries† Madeline Stevenson‡ Molly Shean† Faith Wagnert† Emma Kessingert†	Modeling Protein Secondary Structures of Bacteriophage Genes to Predict Function
Clase, Kari	Poster #1409 presented 4/09 @ 12:00-1:00pm	Isabella Belperio† Irina Zhilinskaya† Laney Shafer† Alexander Higgins†	Reverse, Reverse: An Investigation into the Purpose of Gene Orientation in Phages with <i>Arthrobacter globiformis</i> Host
Clase, Kari	Poster #1414 presented 4/09 @ 12:00-1:00pm	Taylor Buchowski† Sarah Choi† Anabela Djurovic-Topalovic† Aishwarya Menon† Amalia Rosenthal† Amelia Winkelman†	Investigating the Accuracy of Deep-Learning Models in Gene Identification: A Case Study of MellowYellow Gene 74
Clase, Kari	Poster #1433 presented 4/09 @ 12:00-1:00pm	Alexandra Gillman† Lucy Ehmann† Carolina Kim† Natalie Haynes† Henrietta Ndubuokwu† Danae Youngstedt‡	Yes, No, Maybe So: A Deep Dive into Possible Dual-Functionality Within MissAmericana Bacteriophage 37402-39051bp Gene
Clase, Kari	Poster #1442 presented 4/09 @ 12:00-1:00pm	Carl Henry† Katie Smith† Conwy Zheng† Alex Martin† Salem Hallab† Thanh Nguyen†	The Role of Protein Structure in Determining Gene Function for Bacteriophages, DoctorPepper and RootBeer
Clase, Kari	Poster #1470 presented 4/09 @ 12:00-1:00pm	Brandon Mart† Morgan Gyger†	Histidine Triad Protein Homologs: Linking Human Tumor Suppression and Novel Bacteriophage
Clase, Kari	Poster #1514 presented 4/09 @ 12:00-1:00pm	Gianna Stinsa† Kate Stanton† Joyce Yu† Alyssa Hudgins† Jingyi Ji† Morgan Laskowski†	Evaluating the Relationship of an <i>Arthrobacteriophage</i> 's gene with <i>Streptococcus</i> Bacterium
Clase, Kari	Poster #1526 presented 4/09 @ 12:00-1:00pm	Tristen West† Zion Hackett* Lucas Urquiaga* Umbert Creighton Caseres* Dane Phillips* Ryan Lee*	Comparative analysis of bacteriophages in related clusters encoding pyrophosphatases.
Claxton, Laura	Poster #1049 presented 4/09 @ 9:00-10:00am	Ashley Hartman† Madeline Douglas†	Infant Mouthing Behaviors During Naturalistic Play
Claxton, Laura	Talk #7013 presented 4/11 @ 10:40am	Stephanie Koopman† Riya Karpet†	Role Differentiated Bimanual Manipulation in Home Environment For Infants Two Years Old and Younger

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Mentor Name	Presentation	Students	Title
Cloft, Sara	Talk #7006 presented 4/11 @ 9:20am	Serena Wesley†	Orange Corn-based diet improves total antioxidant capacity in layer pullets compared to traditional yellow corn diets.
Closser, Avery	Poster #1047 presented 4/09 @ 9:00-10:00am	Son Ha† Jonah Nichols† Vinay Gupta† Aaditya Doiphode†	Child Automated Speech-To-Text (CAST): Audio Processing for Child speech transcription
Closser, Avery	Poster #1096 presented 4/09 @ 9:00-10:00am	Aarohi Panzade† Akhil Kasturi† Rahul Ghosh†	Implementing Machine Learning in Child Speech Transcription
Closser, Avery	Talk #7032 presented 4/11 @ 12:00pm	Akshitha Kartigueyan† Aadya Pawar† Bruna Jasinowodolinski†	Overview of the Child Automated Speech to Text (CAST) Project
Coda, Elena	Talk #8005 presented 4/11 @ 11:40am	Nicandro Diaz Butron†	Italian Neorealism Influence in Mexican Cinema
Coda, Elena	Talk #8014 presented 4/11 @ 2:40pm	Alexandra Neikirk†	Migration Patterns in Renaissance Venice
Coda, Elena	Talk #8016 presented 4/11 @ 3:20pm	Tessa Stahly†	The Language of Thought: How Language Affects Thought in Dystopian Literature
Cofer, Anthony	Poster #1661 presented 4/09 @ 1:30-2:30pm	Yahor Lechanka† Matt Wheeler† Mason Whittington† Rohan Iyer† Angus Wait† Aubrey Gatewood†	FEMTA Suborbital Flight Experiment
Cohen, Lucas	Poster #1100 presented 4/09 @ 9:00-10:00am	Stanislav Pelipad†	Characterizing Photonic Devices using Dual-Comb Spectroscopy
Cohen, Lucas	Poster #1413 presented 4/09 @ 12:00-1:00pm	Adi Bhatnagar†	Advancing Quantum Integrated Photonics: Harnessing Device and Circuit-Level Simulation Models for Microring-Based Photon Pair Sources
Cohen, Lucas	Poster #1620 presented 4/09 @ 1:30-2:30pm	Ethan Chiao† Luke Zhang†	FDTD and Circuit Simulations for Microresonator-Based Wavelength Division Multiplexers in Silicon Photonics
Colbert, Ethan	Poster #1088 presented 4/09 @ 9:00-10:00am	Karrick McGinty† Mason Giacchetti* Travis Hastreiter*	Finding the Sensitivity of Detecting Toponium at the LHC
Colbert, Ethan	Poster #1680 presented 4/09 @ 1:30-2:30pm	Wyatt Montgomery†	Comparing the reconstruction methods of the top quark in hadron collisions
Coon, Mackenzie	Poster #1084 presented 4/09 @ 9:00-10:00am	Carson Mann†	Spatially Fractionated Radiation Therapy (SFRT): Quality Assurance of a Pre-clinical Radiation Therapy Modality
Coon, Mackenzie	Poster #1217 presented 4/09 @ 10:30-11:30am	Kaubfar Changkanjana†	Comparing Automated vs manual cell counts in Cytosmart in breast cancer cell lines
Cooper, Bruce	Poster #1425 presented 4/09 @ 12:00-1:00pm	Jacob Eyster†	Oral Nicotine Pouches Induce Cellular Toxicity in Human Primary Oral Keratinocytes

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Mentor Name	Presentation	Students	Title
Cooper, James	Poster #1271 presented 4/09 @ 10:30-11:30am	Alex Karns†	Slope break burn rate testing of DCPD propellant
Cornell, Jill	Talk #7000 presented 4/11 @ 9:20am	Allison Peterson† Gwyneth Wong* Emelia Koester*	Impact of Structured Revision Intervention During the Peer Review Process on Scientific Writing Self-Efficacy in Undergraduate Biology Students
Cottingham, Harrison	Poster #1663 presented 4/09 @ 1:30-2:30pm	Rebecca Lewis†	Impact of serum advanced glycation end-products and RAGE inhibitor administration on patellar tendon healing in a mouse model
Cottingham, Kendall	Poster #1246 presented 4/09 @ 10:30-11:30am	David Fries†	Interplay Between N6-methyladenosine RNA and R-loop Biology in Aging and Neurodegeneration
Currim, Fatema	Poster #1228 presented 4/09 @ 10:30-11:30am	Matthew Corson† Sofia Schumann‡	Validation of the neuromelanin-forming rats to model Parkinson's Disease and their implication in HAA-induced dopaminergic neurotoxicity
Currim, Fatema	Poster #1299 presented 4/09 @ 10:30-11:30am	Hurshal Pol†	Investigating PFOS Induced Neurobehavioral Hyperactivity and Motor Behavior
Currim, Fatema	Poster #1499 presented 4/09 @ 12:00-1:00pm	Sofia Schumann† Dia Jhaveri‡ Matthew Corson‡	Neurobehavioral characterization of chlorpyrifos exposure on Pon-1 (-/-) rat model
Curtis, Philip	Poster #1006 presented 4/09 @ 9:00-10:00am	Olivia Battaglia† Jacqueline O'Malley†	Language in Action: The Association between Toddlers' Motor Skills and Language Learning
D'Onofrio, Charles	Poster #1114 presented 4/09 @ 9:00-10:00am	Joao Paulo Schott Ymayo† Mateo Llerna* Corey Auerbach*	Purdue Aerial Robotics Team
D'Onofrio, Charles	Poster #1446 presented 4/09 @ 12:00-1:00pm	Josh Hyatt† Atharv Bhatt† Aditya Chandra† Ethan Farkas† Evan Cahoon† Joseph Redle† Kabir Malik† Makeda Duey† Niall Moloney† Yashwanth Muppidi†	Development of a Tilt-Rotor VTOL Aircraft for a Payload Drop Mission
Dai, Ran	Poster #1033 presented 4/09 @ 9:00-10:00am	Nikita Dubrovskiy† Abhishek Kini* Aayush Iyengar*	Autonomous In-air Charging System for Unmanned Aerial Vehicles
Dai, Ran	Poster #1458 presented 4/09 @ 12:00-1:00pm	Abhishek Kini† Ethan Walkert† Nikita Dubrovskiy† Craig Cheung† Megan Collins† Aayush Iyengar† Yooseung Choi‡ Clifford Gamble‡	Autonomous In-air Charging System for Unmanned Aerial Vehicles

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Mentor Name	Presentation	Students	Title
Dai, Ran	Talk #7029 presented 4/11 @ 12:00pm	Craig Cheung† Abhishek Kini† Aayush Iyengar† Nikita Dubrovskiy†	Autonomous in-air charging for UAVs
Dai, Ran	Talk #7030 presented 4/11 @ 12:20pm	Aayush Iyengar† Craig Cheung‡ Yooseung Choi‡ Abhishek Kini‡ Nikita Dubrovskiy‡ Megan Collins‡ Ethan Walker‡ Clifford Gamble‡	In-air Charging of Unmanned Aerial Vehicles
Dalolio, Martina	Poster #1098 presented 4/09 @ 9:00-10:00am	Mitul Patel†	Limitation of deep learning approach to automatic sleep phase scoring. Application of Otsu's method to multitaper spectrogram as alternative strategy to future implementation of a decision tree algorithm.
Das, Chitta	Poster #1270 presented 4/09 @ 10:30-11:30am	Dabin Jung†	Structural Investigation of Ulleungmycin A Offloading Mechanism
Das, Debayan	Poster #1026 presented 4/09 @ 9:00-10:00am	Soumalya Das†	Diving into Qualitative Research: A Practical Guide to Getting Started
Dashineau, Samantha	Poster #1625 presented 4/09 @ 1:30-2:30pm	Kendall Conaway†	Childhood Emotional Abuse and Sibling Relationships
Dass, Reuben	Poster #1609 presented 4/09 @ 1:30-2:30pm	Emma Benefiel† Jeanelle Castro†	Continued Progress Towards the Development of Targeted Therapies for Multiple Myeloma
Davis, James	Poster #1272 presented 4/09 @ 10:30-11:30am	Mingyu Kim† Heesoo Kim†	Addressing Model Architecture Misclassification for open-source Pre-trained Model packages
Davis, James	Poster #1434 presented 4/09 @ 12:00-1:00pm	Kush Gogia† Yash Mehta†	Training and Evaluating LLMs for College Courses
Davis, James	Poster #1519 presented 4/09 @ 12:00-1:00pm	Arav Tewari†	Interoperability Failures in Deep Learning Model Converters: A Case Study in the ONNX Ecosystem
Davis, James	Poster #1530 presented 4/09 @ 12:00-1:00pm	Fa Yan† Arjun Gupte† Bryan Lee†	Optimizing Data Center Software for Energy Efficiency Using LLMs
Davis, James	Poster #1725 presented 4/09 @ 1:30-2:30pm	Dulani Wijayarathne† Siddharth Prabakar* Shah Mahir*	Mining Pre-Trained Models in Open-Source Software
Davis, Zachary	Talk #7008 presented 4/11 @ 10:00am	Noah Jasinkiewicz† Sarah Staller‡	Exploring Gut Microbiome Interventions in Age-Related Osteoarthritis Progression: Insights from Mouse Model Studies
Davisson, Jo	Poster #1405 presented 4/09 @ 12:00-1:00pm	Ari Arzumanian†	Platinum-Containing Compounds have Potential Roles as Cyanide Antidotes
Davisson, Jo	Poster #1445 presented 4/09 @ 12:00-1:00pm	Oliver Hu† Liyang Che*	Optimization of Diphyllin Scaffold as a V-ATPase inhibitor to discover lead candidates for Ebola Virus Treatment

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Mentor Name	Presentation	Students	Title
Davisson, Jo	Talk #7079 presented 4/11 @ 4:20pm	Elizabeth Andersent† Karthik Arcot‡ Sophie Zhou‡	Systematic Development and Optimization of Helix Stabilized Stapled Peptides for Inhibitory Use Against the Viral Oncoprotein, HPV-E6
Dawoodani, Elina	Poster #1304 presented 4/09 @ 10:30-11:30am	Emily Ren†	Prevalence of and Factors Associated with Non-Iron Deficiency Anemia in Women of Reproductive Age in Urban, Rural, and Tribal Areas of Select Districts of Madhya Pradesh, India
De La Trinidad, Kelsey	Poster #1521 presented 4/09 @ 12:00-1:00pm	Steven Turnbull† Lisa Li† Cheyenne Huang† Ananya Prasad† Tatiana Varela† Pranav Singh†	Multifunctional Materials in Aerospace and Applications to Quadcopter Drones
Deering, Amanda	Poster #1052 presented 4/09 @ 9:00-10:00am	Amirah Haweitt† Isabela Ramirez Ortiz*	Application of a Combination of Commercially Available Sanitizers in the Post-Harvest Control of Salmonella enterica serovar Typhimurium, E. coli O157:H7, and Listeria monocytogenes on Cantaloupe Rinds.
Delgado, Michael	Talk #7050 presented 4/11 @ 1:00pm	Joshua Clark†	Exploring the Quantitative Impact Medical Marijuana Dispensaries Have on Residential Sale Prices in Oklahoma
Delp, Edward	Poster #1072 presented 4/09 @ 9:00-10:00am	Andy Lam† Yu-Wei Chang† Yiyuan Zhang†	Dog Breed Detection Android Application
Delp, Edward	Poster #1085 presented 4/09 @ 9:00-10:00am	Gabe Martinez† Abhilash Saravana† Christopher Lee† Nandini Pandey†	Traffic Sign Detection Android Application
Delp, Edward	Poster #1308 presented 4/09 @ 10:30-11:30am	Avigdor Roytman† Ashwin Sreedhar† Abhiram Nambiar† Chris Sigmund† Kris Gurung†	Generating Realistic Faces using Techniques involving Generative Adversarial Networks
Delp, Edward	Poster #1452 presented 4/09 @ 12:00-1:00pm	Gunvanth Reddy Kandula† Ilan Benschikovski† Kyung Min Ko† Ishaan Rath† Kanav Atre† Udayan Pandey†	Pedestrian Detection for Behavior Analysis during COVID Pandemic
Delp, Edward	Poster #1512 presented 4/09 @ 12:00-1:00pm	William Stevens† Vishal Urs† Karthik Selvaraj† Gabriel Torres† Gaurish Lakhanpal†	Enhancing Autonomous Vehicle Perception: A Transformer-Based Approach for Aerial Road Representation

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Mentor Name	Presentation	Students	Title
Delp, Edward	Poster #1602 presented 4/09 @ 1:30-2:30pm	Teja Akella† Divya Manvikar† Laasya Thiagarajan† Ishank Shekhar†	Brain Tumor Detection
Delp, Edward	Poster #1655 presented 4/09 @ 1:30-2:30pm	Chaeun Kim† Nikhita Anantha Madhavan† Joseph Huang† Shivam Rastogi† Emily Loiselle†	Resistor Identification Android Application
Delph, Jonathan	Poster #1029 presented 4/09 @ 9:00-10:00am	Aniket Dev Roy†	Shallow Seismic Velocity Estimation using Earthquake Particle Motion to estimate Seismic Hazard Potential
DeMaria, Andrea	Talk #7004 presented 4/11 @ 9:40am	Nicole Stepp† Samantha Ky† Evan Coblenz* Caroline Packee*	Navigating Health Information: Factors Influencing Decision Making in Emerging Adults
DeMaria, Andrea	Talk #7033 presented 4/11 @ 12:20pm	Samantha Ky† Nicole Stepp† Evan Coblenz† Sathveka Sembian‡ Caroline Packee*	Implementing Campus-Wide Vaccine Clinics Through Interdisciplinary and Community Partnerships
DeMaria, Andrea	Talk #7074 presented 4/11 @ 3:40pm	Juliana St. Denis† Abhinaya Nagalla† Ashton Allen† Jordan Cooley† Alexandria Bedard† Sophie Shank‡ Evan Coblenz‡	Designing, Implementing, and Evaluating a Sex Trafficking & Domestic Violence Training Program for Licensed Salon Professionals in Indiana
DeMaria, Andrea	Virtual #9028 presented 4/09-4/16 virtually	Nicole Stepp†	Understanding pregnancy, birth, and postpartum experiences among women living in Florence, Italy
Deming, Brody	Poster #1302 presented 4/09 @ 10:30-11:30am	Rineet Ranga† Akila Abeyaratna‡	Evaluation of ketamine's prosocial effects in SCN2A-deficient mice
Deming, Brody	Poster #1468 presented 4/09 @ 12:00-1:00pm	Kathryn Lund†	Evaluation of doxycycline controlled exogenous expression of human Kv1.1 to recover social deficits in transgenic mice with severe Nav1.2 deficiency
Deming, Brody	Poster #1600 presented 4/09 @ 1:30-2:30pm	Akila Abeyaratna† Rineet Ranga‡	Investigating the Effects of Chemogenetic Manipulation of the Lateral Habenula (LHb) on Social Behavior in Scn2a-Deficient Mice
Deng, Qing	Poster #1038 presented 4/09 @ 9:00-10:00am	Elizabeth Christine Farrell†	MicroRNA-31 Regulates Neutrophil Migration and Activation
Deng, Qing	Poster #1685 presented 4/09 @ 1:30-2:30pm	Henrietta Ndubuokwu†	Zebrafish actb1 knock-in
Derakhshandeh, Rozhin	Poster #1079 presented 4/09 @ 9:00-10:00am	Brianna Lewis† Alexis Hawkins† Claire Maurer†	Validation of a Theoretical Model for Optimized Autoinjector Parameters Through Rapid Testing
Diaz, Rosa	Talk #7028 presented 4/11 @ 11:40am	Salam Zaid Alkilani† Sebastian Arthur‡	Exploring Innovative Methods for Teaching Semiconductors to young children

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Mentor Name	Presentation	Students	Title
Dick, Jeffrey	Poster #1022 presented 4/09 @ 9:00-10:00am	Yashvi Choudhary† Sirish Kayam‡ AnhThu Pham‡	Analyzing matrix complexity for improved aptamer sensor calibration
Dickey, Ethan	Poster #1709 presented 4/09 @ 1:30-2:30pm	Anvit Sinha† Shruti Goyal† Zachary Will Sy†	Generative AI in Education
Dietsche, Thomas	Poster #1129 presented 4/09 @ 9:00-10:00am	Andrew Walke† Emmaleigh Shinno‡	Mechanistic features of Cationic Amphiphilic Polyproline Helix (CAPH) interactions with the biological membranes
Ding, Chang	Poster #1685 presented 4/09 @ 1:30-2:30pm	Henrietta Ndubuokwu†	Zebrafish actb1 knock-in
Ding, Xiaosu	Talk #7010 presented 4/11 @ 10:40am	Grayson Wittbrod†	Real-Time Volatile Chemical Screening of Environmental Media to Support Disaster Response
Ding, Ziwei	Poster #1041 presented 4/09 @ 9:00-10:00am	Roy Galazka† Raymond Glowner† Devyani Tyagi† Tiancheng Zhang†	Developing a new filter in ANTARES to identify scientifically distinct supernovae
DiVincenzo, Jenna	Virtual #9027 presented 4/09-4/16 virtually	Devin Singh†	Programming Language Design for Developing Extensible and Maintainable Hardware Designs
Dong, Tony	Talk #7034 presented 4/11 @ 12:40pm	Simone Moulton†	Upcycling Biomass to Sustainable Aviation Fuel via Far-Equilibrium Electrification
Dooley, Jimmy	Poster #1329 presented 4/09 @ 10:30-11:30am	Claire Wolfer-Jenkins†	A Longitudinal Analysis of Developmental Changes in Twitch Patterning during REM Sleep
Dooley, Jimmy	Poster #1436 presented 4/09 @ 12:00-1:00pm	Anna Grobengieser†	Neocortical Mapping in Developing Long-Evans Rats
Dou, Letian	Poster #1009 presented 4/09 @ 9:00-10:00am	Anika Bhoopalam†	Narrow-Bandgap Perovskite Discovery
Douba, Ala Eddin	Poster #1020 presented 4/09 @ 9:00-10:00am	Yuan-Jung Chen† Andre Ponsot† Angus Moore†	Investigating the Efficacy of Synthesized Foam Gels, Carbopol, or Shampoo as Polymeric Admixtures for Concrete Additive Manufacturing
Douglas, Kerrie	Poster #1276 presented 4/09 @ 10:30-11:30am	Briana Lavine†	Social Supports in the Microelectronics Workforce Development Program
Dowd, Teal	Poster #1207 presented 4/09 @ 10:30-11:30am	Aaron Banks†	Predicting Cycling Drivetrain Performance from Sound: Auto-Encoder Analysis for Predictive Maintenance
Dowlatshahi, Sayeh	Poster #1439 presented 4/09 @ 12:00-1:00pm	Francesca Hamacher†	A Point-of-Care Rapid Diagnostic Test for Cervical Cancer Screening
Duan, Boyu	Poster #1113 presented 4/09 @ 9:00-10:00am	Jonathan Ryan†	2D Topology Optimization with Genetic Algorithms
Duan, Tianle	Poster #1030 presented 4/09 @ 9:00-10:00am	Tanvi Dhawade†	Analyzing Spatial-Temporal Dynamics of the Hearing-Impaired Population to guide Sustainable Urban Development
Duarte, Bryan	Poster #1411 presented 4/09 @ 12:00-1:00pm	Aanant Bhagat†	(Re)Considering Gender Inclusivity in Educational Research

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Mentor Name	Presentation	Students	Title
Ducleroir, Sidney	Poster #1111 presented 4/09 @ 9:00-10:00am	Ben Roberts†	Antimicrobial Resistance: Navigating Ongoing Challenges and Future Implications
Ducleroir, Sidney	Poster #1128 presented 4/09 @ 9:00-10:00am	Nathaniel Veacht†	Adult Separation Anxiety Disorder in College: Research and Prevention
Ducleroir, Sidney	Poster #1327 presented 4/09 @ 10:30-11:30am	Ryan Weiss†	The Integration and Implementation of Artificial Intelligence in Education
Ducleroir, Sidney	Poster #1401 presented 4/09 @ 12:00-1:00pm	Natalie Anderson†	Proposed Native Bee Conservation Initiatives on Purdue's West Lafayette Campus
Ducleroir, Sidney	Poster #1438 presented 4/09 @ 12:00-1:00pm	Keira Hagen†	Melting Opportunities
Ducleroir, Sidney	Poster #1520 presented 4/09 @ 12:00-1:00pm	Andy Trinh†	Influences of AI in the Medical Field
Ducleroir, Sidney	Poster #1637 presented 4/09 @ 1:30-2:30pm	Antonio Gil†	To What Extent Does Phone Dependency Negatively Impact College Student's Memory and Attention?
Ducleroir, Sidney	Virtual #9004 presented 4/09-4/16 virtually	Eric Butz†	Importance of Catching Z's
Duerstock, Bradley	Poster #1035 presented 4/09 @ 9:00-10:00am	Molly Dye† Nicole Nagel†	Design of Physiological Monitoring Device to Detect Autonomic Dysreflexia
Duerstock, Bradley	Poster #1675 presented 4/09 @ 1:30-2:30pm	Shaiv Mehra† Tyler Merrill†	RoboGripper: EMG-Controlled, Wrist Brace-Mounted, Robotic Manipulator for Hand Paralysis Patients
Durham, Philip	Poster #1217 presented 4/09 @ 10:30-11:30am	Kaubfar Changkanjana†	Comparing Automated vs manual cell counts in Cytosmart in breast cancer cell lines
Dyehouse, Melissa	Poster #1276 presented 4/09 @ 10:30-11:30am	Briana Lavine†	Social Supports in the Microelectronics Workforce Development Program
Dykhuisen, Emily	Poster #1226 presented 4/09 @ 10:30-11:30am	Gabby Conjelko† Sam King‡	Evaluating the Synergistic Relationship between CBX2 and CDK4/6 Inhibitors
Dykhuisen, Emily	Poster #1656 presented 4/09 @ 1:30-2:30pm	Sam King† Gabby Conjelko‡	Developing a Selective Irreversible Peptidic Inhibitor for CBX2
Ehde, Aliya	Poster #1034 presented 4/09 @ 9:00-10:00am	Gavin Duffy† Ruth Wei‡	Growth of Pathogens During Stagnation in Controlled Copper Plumbing System
Elenbaas, Laura	Poster #1671 presented 4/09 @ 1:30-2:30pm	Gianna Martire† Kris Sass†	Does intergroup contact impact children's relation to outgroups?
Elkabbany, Amr	Poster #1445 presented 4/09 @ 12:00-1:00pm	Oliver Hu† Liying Che*	Optimization of Diphyllin Scaffold as a V-ATPase inhibitor to discover lead candidates for Ebola Virus Treatment

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Mentor Name	Presentation	Students	Title
Elkin, Samuel	Poster #1497 presented 4/09 @ 12:00-1:00pm	Felipe Sandoval† Naren Rachapalli† Ben Eng† Nicholas Helushka† Gokulkrishnan Harikrishnan† Truman Mohr† Nicholas Detwiler† Warat Vijitbenjaronk† Ron Bejerano†	Toward 3D General-Purpose Computational Quantum Electromagnetics Modeling
Elliott, Christine	Poster #1415 presented 4/09 @ 12:00-1:00pm	Zhixin Cai† Saloni Parkar* Isabella Duzman*	Analysis of Cicada appearance through a pre-built TensorFlow model BirdNet and a custom audio classifier
Elliott, Christine	Poster #1690 presented 4/09 @ 1:30-2:30pm	Saloni Parkar† Isabella Duzman* Zhixin Cai*	Exploring the Efficacy of Acoustic Monitoring in Insect Biodiversity Assessment: Insights from BirdNet and Seasonal Activity Patterns
Enkh-Amgalan, Soyol	Poster #1016 presented 4/09 @ 9:00-10:00am	Tori Burke† Roma Kamat‡ Parker Davis‡	Alcohol exposure during aging: Effects on recognition memory and compulsive-like behaviors.
Erk, Kendra	Poster #1020 presented 4/09 @ 9:00-10:00am	Yuan-Jung Chen† Andre Ponsot† Angus Moore†	Investigating the Efficacy of Synthesized Foam Gels, Carbopol, or Shampoo as Polymeric Admixtures for Concrete Additive Manufacturing
Erskine, Michelle	Poster #1481 presented 4/09 @ 12:00-1:00pm	Emma Niecikowski†	Vocabulary Acquisition in Children in Relation to Distress from the COVID- 19 Pandemic
Everett, Thomas	Poster #1035 presented 4/09 @ 9:00-10:00am	Molly Dye† Nicole Nagel†	Design of Physiological Monitoring Device to Detect Autonomic Dysreflexia
Fatemi, Samira	Poster #1082 presented 4/09 @ 9:00-10:00am	Noah Lyon†	Development of species-specific PCR primer sets for the detection of <i>Sporobolomyces lactucae</i> , a leafy vegetable-associated yeast
Fauber, Daphne	Poster #1018 presented 4/09 @ 9:00-10:00am	Alexis Carroll† Aidan Dibble† Ann Marie Uhlmansiek† Amanda Wolf†	Gene Conservation and Comparison Between Host Bacteria <i>Arthrobacter globiformis</i> and Phage MellowYellow
Fauber, Daphne	Poster #1028 presented 4/09 @ 9:00-10:00am	Luke DeLion† Alyson Owen† Nicholas Zolnierczuk† Junezuh Ghang‡	Confirming transmembrane protein potentials using algorithm-based prediction models
Fauber, Daphne	Poster #1053 presented 4/09 @ 9:00-10:00am	Zachery Heppner† Drake Strait† Hudson Schneider† Michael Perrin† Derek Temple† Katherine DeMarco†	Analyzing bacteriophage protein structural motifs utilizing a variety of novel software

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Mentor Name	Presentation	Students	Title
Fauber, Daphne	Poster #1089 presented 4/09 @ 9:00-10:00am	Stan Melkumian† Elizaveta Filippova† Prakhar Saxena† Adam Weber† Ethan Shatz‡ Dean Stornello‡	Developing an Algorithm to Identify Potential Programmed Ribosomal Frameshifts in Arthrobacteriophage Genomes
Fauber, Daphne	Poster #1092 presented 4/09 @ 9:00-10:00am	Giovanni Minghetti† Seth Jimenez† Adelaide Bullard† Lillian Woolley†	Analysis on the Efficacy of Auto-Annotators in Bacteriophage Genomes
Fauber, Daphne	Poster #1105 presented 4/09 @ 9:00-10:00am	Enos Pray‡ Armand Destin‡ Adalene Stangeland‡ Amy Murdock‡ Anagha Gaitonde‡ Megan Painter‡	Pangenome Exploration of the Genomic Similarities Between AW Cluster Bacteriophages
Fauber, Daphne	Poster #1322 presented 4/09 @ 10:30-11:30am	Lauren Thompson† Bradley Shannon† Ryan Houser† Priyanshu Datta Roy†	Investigation of Ribosomal Activity in Novel Bacteriophage, Miss Americana
Fauber, Daphne	Poster #1404 presented 4/09 @ 12:00-1:00pm	Abigail Antonishek† Emma Jeffries† Madeline Stevenson† Molly Shean† Faith Wagnert† Emma Kessingert†	Modeling Protein Secondary Structures of Bacteriophage Genes to Predict Function
Fauber, Daphne	Poster #1409 presented 4/09 @ 12:00-1:00pm	Isabella Belperio† Irina Zhilinskaya† Laney Shafer† Alexander Higgins†	Reverse, Reverse: An Investigation into the Purpose of Gene Orientation in Phages with Arthrobacter globiformis Host
Fauber, Daphne	Poster #1414 presented 4/09 @ 12:00-1:00pm	Taylor Buchowski† Sarah Choi† Anabela Djurovic-Topalovic† Aishwarya Menon† Amalia Rosenthal† Amelia Winkelman†	Investigating the Accuracy of Deep-Learning Models in Gene Identification: A Case Study of MellowYellow Gene 74
Fauber, Daphne	Poster #1433 presented 4/09 @ 12:00-1:00pm	Alexandra Gillman† Lucy Ehmann† Carolina Kim† Natalie Haynes† Henrietta Ndubuokwu† Danae Youngstedt‡	Yes, No, Maybe So: A Deep Dive into Possible Dual-Functionality Within MissAmericana Bacteriophage 37402-39051bp Gene
Fauber, Daphne	Poster #1442 presented 4/09 @ 12:00-1:00pm	Carl Henry† Katie Smith† Conwy Zheng† Alex Martin† Salem Hallab† Thanh Nguyen†	The Role of Protein Structure in Determining Gene Function for Bacteriophages, DoctorPepper and RootBeer
Fauber, Daphne	Poster #1514 presented 4/09 @ 12:00-1:00pm	Gianna Stinsa† Kate Stanton† Joyce Yu† Alyssa Hudgins† Jingyi Ji† Morgan Laskowski†	Evaluating the Relationship of an Arthrobacteriophage's gene with Streptococcus Bacterium

Student Role Notation: †Presenting Author, ‡Contributing Author, *Acknowledgement

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Mentor Name	Presentation	Students	Title
Fauber, Daphne	Poster #1526 presented 4/09 @ 12:00-1:00pm	Tristen West† Zion Hackett* Lucas Urquiaga* Umbert Creighton Caseres* Dane Phillips* Ryan Lee*	Comparative analysis of bacteriophages in related clusters encoding pyrophosphatases.
Fauber, Daphne	Poster #1665 presented 4/09 @ 1:30-2:30pm	Manasvi Lingampally† Ashley Cumbee† Grace Troyer† Kayla Grennes‡ Amanda Pawlecki‡ Faith Chapman‡	Conservation of A. globiformis Genetics in the Genomes of Bacteriophages DoctorPepper and RootBeer.
Feng, Betty	Poster #1200 presented 4/09 @ 10:30-11:30am	Shams Adigozalzade†	Exploring the Impact of the Documentary Poisoned Through a Content Analysis of the YouTube Comments on the Documentary Trailer
Fernandez-Juricic, Esteban	Poster #1698 presented 4/09 @ 1:30-2:30pm	Jordan Reynolds†	Modeling Avian Color Vision: Spectral Discrimination in Ultraviolet Sensitive and Violet Sensitive Birds
Fernandez-Juricic, Esteban	Talk #7071 presented 4/11 @ 3:40pm	Lilianne Brush†	Quantifying the impact of cone opponency on predictions of color discrimination.
Ferreira, Christina	Talk #7012 presented 4/11 @ 10:20am	Nicolas Medel†	Spatial Modifications In Pulmonary Lipids Following Nanoparticle Exposure
Ferreira, Christina	Talk #7017 presented 4/11 @ 10:00am	Evy Tobolski†	The Role of Conductive Cooling and Moringa oleifera Supplementation of Heat Stressed Sows on the Cheek Lipidome of Neonatal Piglets
Figueiredo, Marxa	Poster #1487 presented 4/09 @ 12:00-1:00pm	Amanda Pawlecki† Aryaman Dewan*	PASylation as a promising protein modification to prolong Interleukin 27 (IL-27) half-life
Figueiredo, Marxa	Poster #1635 presented 4/09 @ 1:30-2:30pm	Viviana Galindo†	Exploration of IL-27 Gene Therapy in Treatment for Acute Respiratory Distress Syndrome
Figuracion, McKenzie	Talk #7044 presented 4/11 @ 1:00pm	Madalyn Owen†	Disrupting the Binary in Laboratory Paradigms: Validation of a New Measure of Emotional Variation in Cognitive Control
Fila, Nicholas	Poster #1696 presented 4/09 @ 1:30-2:30pm	Tyler Ramsey†	Applying the Critical Incident Technique to Analyze the Ethical/Unethical Experiences of Biomedical Engineering Faculty
Firestone, Nicole	Poster #1490 presented 4/09 @ 12:00-1:00pm	Ethan Pinarski†	Spectroscopic Validation of ODIN-DESI LAE Catalogs
Fisher, Isaac	Poster #1295 presented 4/09 @ 10:30-11:30am	Kennedy Outlaw†	Structural and Functional Characterization of Phospholipase C β 3
Fix, Andrew	Talk #7075 presented 4/11 @ 4:00pm	Jackie De Leon†	Water Quality Assessment of Air Conditioning Condensate for Onsite Use

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Mentor Name	Presentation	Students	Title
Foti, Dan	Poster #1237 presented 4/09 @ 10:30-11:30am	Elena Eberwine†	Examining the association between laboratory-induced stress and reward responsiveness in new mothers
Foti, Dan	Talk #7072 presented 4/11 @ 3:00pm	Nok In Chan†	Does Consuming Mushrooms with a Healthy Mediterranean-style Dietary Pattern Affect Indexes of Brain Health in Adults?
Fraleay, Greg	Talk #7006 presented 4/11 @ 9:20am	Serena Wesley†	Orange Corn-based diet improves total antioxidant capacity in layer pullets compared to traditional yellow corn diets.
Francis, Alexander	Poster #1010 presented 4/09 @ 9:00-10:00am	Sarah Bhuiya†	Care Partner Involvement in Spouses Use of Hearing Aids
Francis, Alexander	Poster #1039 presented 4/09 @ 9:00-10:00am	Abigail Foley†	"CAN YOU HEAR ME NOW?": HEARING AID USER AND CARE PARTNER AGREEMENT ON PERCEIVED HEARING DIFFICULTIES
Francis, Alexander	Talk #7003 presented 4/11 @ 9:20am	Emily Clark†	Evaluating the Perception of Vocal Fry
Franks, Melissa	Poster #1010 presented 4/09 @ 9:00-10:00am	Sarah Bhuiya†	Care Partner Involvement in Spouses Use of Hearing Aids
Franks, Melissa	Poster #1039 presented 4/09 @ 9:00-10:00am	Abigail Foley†	"CAN YOU HEAR ME NOW?": HEARING AID USER AND CARE PARTNER AGREEMENT ON PERCEIVED HEARING DIFFICULTIES
Freeman, Andrew	Talk #7075 presented 4/11 @ 4:00pm	Jackie De Leon†	Water Quality Assessment of Air Conditioning Condensate for Onsite Use
Freeman, Jennifer	Poster #1090 presented 4/09 @ 9:00-10:00am	Breeann Mild†	Effect of Developmental Manganese Exposure on the Locomotor Behavior of Zebrafish Larvae
Freeman, Jennifer	Poster #1209 presented 4/09 @ 10:30-11:30am	Saraf Bhuiya†	Phenotyping Behavioral Changes of sorl1 Gene Downregulation as a Model for Alzheimer's Disease in Zebrafish
Friedman, Elliot	Poster #1224 presented 4/09 @ 10:30-11:30am	Quinn Clemenz† Lauren Voss* Olivia Richter* Samantha Maari*	Mental Health, Polygenic Risk Scores, and their affect on White Matter Integrity
Friedman, Elliot	Poster #1281 presented 4/09 @ 10:30-11:30am	Samantha Maari† Lauren Voss* Quinn Clemenz* Olivia Richter*	Inflammation, Insula Structure, and White Matter Integrity in a National Sample
Friedman, Elliot	Poster #1306 presented 4/09 @ 10:30-11:30am	Olivia Richter† Lauren Voss* Quinn Clemenz* Samantha Maari*	Longitudinal Increases in Inflammation Predict Decreases in Subjective Health
Friedman, Elliot	Poster #1722 presented 4/09 @ 1:30-2:30pm	Lauren Voss† Quinn Clemenz* Olivia Richter* Samantha Maari*	Mind over white matter: Subjective health perceptions and white matter tract integrity in a national sample

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Mentor Name	Presentation	Students	Title
Fu, Haoruo	Poster #1681 presented 4/09 @ 1:30-2:30pm	Kamanda Mosongot	A Decadal In-depth Analytical Exploration (2012-2022): Holistic Examination of Management Discussion and Analysis (MD&A) Integrating Comprehensive Market Risk Assessment for American, Delta, and United Airlines
Fulwider, Doris	Poster #1110 presented 4/09 @ 9:00-10:00am	Bronwyn Rigsbyt	Elementary Teachers' Mathematics Curricular Reasoning: Connecting Instructional Decisions to Curricular Knowledge, Vision, and Trust
Fundator, Rachel	Poster #1630 presented 4/09 @ 1:30-2:30pm	Nancy Dooley† Grace Vavra† Quinn Loughran† Abigail Finney* Noelia Alvarez* Maggie Collins*	Student Perceptions of the Relationship Between Social Media Algorithms and Democratic Participation
Gabrielov, Amina	Poster #8017 presented 4/11 @ 3:40pm	Rowan Thornton†	Expressions of "fire" in English, Russian, and Spanish
Galvez-Ortega, Kimberly	Poster #1237 presented 4/09 @ 10:30-11:30am	Elena Eberwine†	Examining the association between laboratory-induced stress and reward responsiveness in new mothers
Gan, Dongming	Poster #1670 presented 4/09 @ 1:30-2:30pm	Riley Mann†	Design and Prototyping of Compliant Robotic Grippers
Ganju, Eshan	Poster #1631 presented 4/09 @ 1:30-2:30pm	Avik Dutta†	Design of In Situ Thermal Stage for X-ray Computed Tomography (XCT) of Semiconductor Packages
Garcia Mendes de Araujo Santos, Isabela	Poster #1081 presented 4/09 @ 9:00-10:00am	Erica Long†	A prediction model of antibiotic treatment success in dairy calves with bovine respiratory disease
Garcia Reis, Leriana	Talk #7017 presented 4/11 @ 10:00am	Evy Tobolski†	The Role of Conductive Cooling and Moringa oleifera Supplementation of Heat Stressed Sows on the Cheek Lipidome of Neonatal Piglets
Gardner, Stephanie	Poster #1332 presented 4/09 @ 10:30-11:30am	David Zist† Anna McCoy†	Investigating Undergraduate Students' Interpretation of Error Bars
Gardner, Stephanie	Poster #1705 presented 4/09 @ 1:30-2:30pm	Nandhitaa Satya† Perion Sharp†	The Process of Scientific Inquiry: Undergraduate Conceptions and Formulations of Scientific Hypotheses and Predictions
Gardner, Stephanie	Talk #7000 presented 4/11 @ 9:20am	Allison Peterson† Gwyneth Wong* Emelia Koester*	Impact of Structured Revision Intervention During the Peer Review Process on Scientific Writing Self-Efficacy in Undergraduate Biology Students
Garner, Allen	Poster #1031 presented 4/09 @ 9:00-10:00am	Brian Dodd† Fraser Dougall‡	Evaluating the Radiation-Hardness of Varying COTS EEPROMs in a Thermal Neutron Environment
Garner, Allen	Poster #1078 presented 4/09 @ 9:00-10:00am	Isabella Levine†	Investigation of high energy radiation effects on electronic memory devices

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Mentor Name	Presentation	Students	Title
Garner, Allen	Poster #1235 presented 4/09 @ 10:30-11:30am	Fraser Dougall† Brian Dodd‡	Analysis of Thermal Neutron-Induced Degradation in Commercial SOIC and TSSOP EEPROMs Across Varying Memory Capacities
Garretson, Braden	Poster #1453 presented 4/09 @ 12:00-1:00pm	Akshith Karri† Phoebe Zhou‡ Cade Rigg‡	Maximizing The Vera Rubin Observatory's Science Gain through Cross-Survey Collaboration
Garrison, James	Poster #1215 presented 4/09 @ 10:30-11:30am	Joseph Carrig† Jingyu Xiao† Massimo Lapina†	Earth Remote Sensing utilizing Signals of Opportunity
Garrison, Michelle	Poster #1068 presented 4/09 @ 9:00-10:00am	Debora Kim† Elliott Shi†	The Causal Effects of Parental Depression & Familial Arguments on Children Sleep Time
Garrison, Michelle	Poster #1430 presented 4/09 @ 12:00-1:00pm	Augustine Gallespen† Autumn Reynoldst†	A Study on Children's Bedtime Story Books for their Effect on Children's Perception of Sleep
Garrison, Michelle	Poster #1502 presented 4/09 @ 12:00-1:00pm	Kennedy Sheppard† Noa Shovalt†	Pre- and Post-Pandemic Adolescent Physical Activity Trends and Potential Impacts on Sleep through Analyzing YRBS data (2017-2023)
Garzon-Sabogal, Luis-Enrique	Poster #1059 presented 4/09 @ 9:00-10:00am	Clayton Jarosinski† Claire Middendorf‡	Measuring Hydraulic Conductivity of Permeable Pavement
Garzon-Sabogal, Luis-Enrique	Poster #1474 presented 4/09 @ 12:00-1:00pm	Claire Middendorf†	Development of Coating Method for Granular Materials
Gerber, Jeffrey	Poster #1616 presented 4/09 @ 1:30-2:30pm	Dylan Caudill† Thomas Slamecka‡	Comparing M-dwarf Flare Candidates Through Simultaneous Space Telescope Observations
Ghajar-Rahimi, Elnaz	Talk #7064 presented 4/11 @ 3:20pm	Sarah Grev†	An in vivo assessment of cardiac remodeling during chronic hypertension in pregnancy
Ghosh, Shreya	Poster #1045 presented 4/09 @ 9:00-10:00am	Brandon Goepner†	AMP Li-Ion BMS
Ghosh, Shreya	Poster #1225 presented 4/09 @ 10:30-11:30am	Alexander Collins† Adrian Romo-Loomis* Doren Cohen* Jackson Thompson* Prahlad Shelvapille*	An analysis of batteries and their functionality and practicality within the field of autonomous motorsports in application to the competitive Autonomous Karting Series.
Ghosh, Shreya	Poster #1255 presented 4/09 @ 10:30-11:30am	Jennifer Gillette† Jaron Hunt† Danny Thornewell†	Image Processing for Lane and Object Detection for Autonomous Vehicles
Ghosh, Shreya	Poster #1418 presented 4/09 @ 12:00-1:00pm	Evan Chen† Andrew Huang† Aditya Mittal†	Machine Learning on Lane Detection
Ghosh, Shreya	Poster #1608 presented 4/09 @ 1:30-2:30pm	Joe Basti† Mario Arenas† Grant Capps† Max Kerkhove† Rushil Khandelwal† Eric Wang*	Autonomous Vehicles and their impact on the economy

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Mentor Name	Presentation	Students	Title
Ghosh, Shreya	Poster #1647 presented 4/09 @ 1:30-2:30pm	Jasper Hochbaum† John Min† Ella Goodrich† Alex Hartman† Mohammed Khan† Grace Gellatly†	VIP AMP Multipurpose Wire Management Tool
Ghosh, Shreya	Virtual #9019 presented 4/09-4/16 virtually	Seungkeun Oh† Yen-Jung Chen*	AI drone
Gibert, James	Poster #1003 presented 4/09 @ 9:00-10:00am	Janathan Balakrishnan†	Excitation amplitude variations that lead to non-linear responses of sympodial tree-like structure
Gin, AJ	Poster #1018 presented 4/09 @ 9:00-10:00am	Alexis Carroll† Aidan Dibble† Ann Marie Uhlmansiek† Amanda Wolff†	Gene Conservation and Comparison Between Host Bacteria <i>Arthrobacter</i> <i>globiformis</i> and Phage MellowYellow
Gin, AJ	Poster #1028 presented 4/09 @ 9:00-10:00am	Luke DeLion† Alyson Owent† Nicholas Zolnierczuk† Junezuh Ghang‡	Confirming transmembrane protein potentials using algorithm-based prediction models
Gin, AJ	Poster #1053 presented 4/09 @ 9:00-10:00am	Zachery Heppner† Drake Strait† Hudson Schneider† Michael Perrin† Derek Temple† Katherine DeMarco†	Analyzing bacteriophage protein structural motifs utilizing a variety of novel software
Gin, AJ	Poster #1089 presented 4/09 @ 9:00-10:00am	Stan Melkumian† Elizaveta Filippova† Prakhar Saxena† Adam Weber† Ethan Shatz‡ Dean Stornello‡	Developing an Algorithm to Identify Potential Programmed Ribosomal Frameshifts in <i>Arthrobacteriophage</i> Genomes
Gin, AJ	Poster #1092 presented 4/09 @ 9:00-10:00am	Giovanni Minghetti† Seth Jimenez† Adelaide Bullard† Lillian Woolley†	Analysis on the Efficacy of Auto- Annotators in <i>Bacteriophage</i> Genomes
Gin, AJ	Poster #1105 presented 4/09 @ 9:00-10:00am	Enos Pray‡ Armand Destin‡ Adalene Stangeland‡ Amy Murdock‡ Anagha Gaitonde‡ Megan Painter‡	Pangenome Exploration of the Genomic Similarities Between AW Cluster <i>Bacteriophages</i>
Gin, AJ	Poster #1322 presented 4/09 @ 10:30-11:30am	Lauren Thompson† Bradley Shannon† Ryan Houser† Priyanshu Datta Roy†	Investigation of Ribosomal Activity in Novel <i>Bacteriophage</i> , Miss Americana
Gin, AJ	Poster #1404 presented 4/09 @ 12:00-1:00pm	Abigail Antonishek† Emma Jeffries† Madeline Stevenson† Molly Shean† Faith Wagnert† Emma Kessinger†	Modeling Protein Secondary Structures of <i>Bacteriophage</i> Genes to Predict Function

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Mentor Name	Presentation	Students	Title
Gin, AJ	Poster #1409 presented 4/09 @ 12:00-1:00pm	Isabella Belperio† Irina Zhilinskaya† Laney Shafer† Alexander Higgins†	Reverse, Reverse: An Investigation into the Purpose of Gene Orientation in Phages with <i>Arthrobacter globiformis</i> Host
Gin, AJ	Poster #1414 presented 4/09 @ 12:00-1:00pm	Taylor Buchowski† Sarah Choi† Anabela Djurovic-Topalovic† Aishwarya Menon† Amalia Rosenthal† Amelia Winkelman†	Investigating the Accuracy of Deep-Learning Models in Gene Identification: A Case Study of MellowYellow Gene 74
Gin, AJ	Poster #1433 presented 4/09 @ 12:00-1:00pm	Alexandra Gillman† Lucy Ehmann† Carolina Kim† Natalie Haynes† Henrietta Ndubuokwu† Danae Youngstedt‡	Yes, No, Maybe So: A Deep Dive into Possible Dual-Functionality Within MissAmericana Bacteriophage 37402-39051bp Gene
Gin, AJ	Poster #1442 presented 4/09 @ 12:00-1:00pm	Carl Henry† Katie Smith† Conwy Zheng† Alex Martin† Salem Hallab† Thanh Nguyen†	The Role of Protein Structure in Determining Gene Function for Bacteriophages, DoctorPepper and RootBeer
Gin, AJ	Poster #1514 presented 4/09 @ 12:00-1:00pm	Gianna Stinsa† Kate Stanton† Joyce Yu† Alyssa Hudgins† Jingyi Ji† Morgan Laskowski†	Evaluating the Relationship of an <i>Arthrobacteriophage's</i> gene with <i>Streptococcus</i> Bacterium
Gin, AJ	Poster #1526 presented 4/09 @ 12:00-1:00pm	Tristen West† Zion Hackett* Lucas Urquiaga* Umbert Creighton Caseres* Dane Phillips* Ryan Lee*	Comparative analysis of bacteriophages in related clusters encoding pyrophosphatases.
Gin, AJ	Poster #1665 presented 4/09 @ 1:30-2:30pm	Manasvi Lingampally† Ashley Cumbee† Grace Troyer† Kayla Grennes‡ Amanda Pawlecki‡ Faith Chapman‡	Conservation of <i>A. globiformis</i> Genetics in the Genomes of Bacteriophages DoctorPepper and RootBeer.
Giri, Nandhini	Poster #1285 presented 4/09 @ 10:30-11:30am	Michael Maslowski†	Understanding Students' Perception of Emerging Career Pathways and Job Roles in the Gaming Industry
Gkritza, Nadia	Poster #1061 presented 4/09 @ 9:00-10:00am	Christina Joslin†	Public Adoption of New versus Pre-owned Electric Vehicles
Goergen, Craig	Talk #7064 presented 4/11 @ 3:20pm	Sarah Grev†	An in vivo assessment of cardiac remodeling during chronic hypertension in pregnancy

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Mentor Name	Presentation	Students	Title
Gomez, Luis	Poster #1463 presented 4/09 @ 12:00-1:00pm	Elizabeth Lawson†	Evaluating Naloxone Implementation Efforts in Emergency Departments within the HEALng Communities Study: A Case Study from 19 Counties in Ohio
Gong, Boxi	Poster #1014 presented 4/09 @ 9:00-10:00am	Lindsay Brncick† Boxi Gong‡ Julia Flowers‡	Bacteria-based M1-like macrophage infiltration and CD8+ T cell activation in immunologically cold tumors treated with tumor-trophic Salmonella Typhimurium expressing anticancer proteins.
Gonzales, Miguel	Poster #1037 presented 4/09 @ 9:00-10:00am	Youssef Errihani†	Utilizing Wheat-Bran Derived Phenolics to Optimize Human Gut Microbiome
González, Katherine	Poster #1091 presented 4/09 @ 9:00-10:00am	Mickayla Miller†	Calling sites of frogs are not optimal for signal transmission
González, Katherine	Poster #1094 presented 4/09 @ 9:00-10:00am	Kathryn Myer†	Closely related species of frogs experience different levels of signal degradation in a tropical forest
Goppert, James	Poster #1002 presented 4/09 @ 9:00-10:00am	Nathan Arnold† Alexander Eiguren† Anna Radulski† Grant Sims† Alan Chao†	Biomedical Drone for Narcan Delivery
Goppert, James	Poster #1324 presented 4/09 @ 10:30-11:30am	Enzo Tiptur† Elliot Wong* Christian Davus* Jack Slater* Nicholas Gano* Andrew Song*	Autopilot Integration for Lightweight Unmanned Fixed Wing Aircraft in PURT Testing Facility
Goppert, James	Poster #1467 presented 4/09 @ 12:00-1:00pm	Jonah Lovitz† Alex Kmetko† Joseph Forster† Anshuman Samanta† Aron Dutia† Alexander Ciccarelli† Akash Kumar† Pranav Krishnamoorthy† Matthew Genatempo† Chase Hamdan†	CogniPilot
Gounder, Raj	Poster #1410 presented 4/09 @ 12:00-1:00pm	Arjun Bhadoria†	Acid Catalysis by Hydronium Ions in the Dissociation of Aqueous Zeolitic Acids
Grama, Ananth	Talk #7041 presented 4/11 @ 1:00pm	Bharath Anand†	Placing Electric Vehicle Charging Stations: An Optimization Problem and Unsupervised Machine Learning Solution
Grant, Rich	Talk #7078 presented 4/11 @ 4:00pm	Lila McMahill†	Nitrous Oxide and its Agents of Influence

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Mentor Name	Presentation	Students	Title
Graziano, William	Poster #1473 presented 4/09 @ 12:00-1:00pm	Kiera Meyer† Faith McPhee* Autumn Bretwisch* Grace Pearson* Zoe Wilks* Katelin Schwab*	How Extraversion Impacts Conformity
Green, Conor	Poster #1644 presented 4/09 @ 1:30-2:30pm	Timothy Heint†	Purdue SoCET: Semiconductor Post- Layout Verification and Simulation
Grier, Thomas	Poster #1486 presented 4/09 @ 12:00-1:00pm	Gladys Osakwet†	Feasibility of Lead Exposure Assessment in Blood Spots using Energy-Dispersive X-ray Fluorescence
Guan, Husheng	Poster #1201 presented 4/09 @ 10:30-11:30am	Divij Agarwal† Vasileios Kalaitzidis† Liam Gallagher†	Using machine learning to classify signal and background in the data from XENONnT Detector
Gundala, Gagan	Poster #1619 presented 4/09 @ 1:30-2:30pm	Sooraj Chetput† Johnathan Hong† Alex Chitsazzadeh† FangLing (Victor) Zhang† Khoi Pham† Zengxiang (Tim) Han† Justin Cambridge† Htet Yan† Spencer Bowles‡	XOR: SIMT-Scalar architecture for Control Flow Divergence
Guo, Haohan	Poster #1036 presented 4/09 @ 9:00-10:00am	Mary Earp†	Resistance Calculator for Compliant Pillar Interconnects for Heterogeneous Integration
Guo, Qi	Virtual #9014 presented 4/09-4/16 virtually	Woosik Kim† Guo Yu† Mengting Xu†	FoldTac: Compact Visual Tactile Sensing via Folded Light Transport
Gupta, Vanshika	Poster #1022 presented 4/09 @ 9:00-10:00am	Yashvi Choudhary† Sirish Kayam‡ AnhThu Pham‡	Analyzing matrix complexity for improved aptamer sensor calibration
Gutierrez, Eric	Poster #1097 presented 4/09 @ 9:00-10:00am	Karina Paone†	Impact of RAGE Inhibitor Administration on Tendon Biomechanical Properties in Mouse Model of Type 2 Diabetes
Gutierrez Parra, Karen	Poster #1506 presented 4/09 @ 12:00-1:00pm	Shiv Shukla†	In-Vitro Characterization of Ultrafine Particles Using Realistic Parameters to Predict Lung Deposition and Assess Health Effects
Gutierrez Parra, Karen	Poster #1515 presented 4/09 @ 12:00-1:00pm	Drake Strait†	Investigating the Impact of Voltage on Protein Stability in Electrostatic Spray Drying for Pharmaceuticals
Haddad, Jeffrey	Poster #1660 presented 4/09 @ 1:30-2:30pm	Shlok Kulkarni† Gabi Layman‡ Elsa Davis* Hala Haddad* Braden Stock* Amanda Martin* Mithran Periassamy*	Using inertial measurement units to compare gait in outdoor and indoor environments

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Mentor Name	Presentation	Students	Title
Hadisurya, Marco	Poster #1210 presented 4/09 @ 10:30-11:30am	Rachit Bisht† Aiyam Alam†	Determining Predictive Biomarkers for Breast Cancer Subtype Differentiation using Machine Learning
Hall, Hana	Poster #1246 presented 4/09 @ 10:30-11:30am	David Fries†	Interplay Between N6-methyladenosine RNA and R-loop Biology in Aging and Neurodegeneration
Halum, Stacey	Poster #1252 presented 4/09 @ 10:30-11:30am	Andrew Gangstad† Shaiv Mehra† Tommy Mullin† Joshua Sexton†	Novel Injector Breaks Down Translational Barriers Paving Path for Superior Vocal Fold Medialization Materials
Halum, Stacey	Talk #7077 presented 4/11 @ 4:40pm	Joshua Sexton†	Engineered Collagen Polymeric Materials Maintain Tissue Volume and Support Regenerative Remodeling after Volumetric Muscle Loss
Halurkar, Manasi	Poster #1459 presented 4/09 @ 12:00-1:00pm	Arnav Kumar†	Creating animal models with SCN2A Knockout in specific neurons: A Breeding Scheme Approach
Han, Subin	Talk #7024 presented 4/11 @ 11:20am	Anthony Bovenschen†	Evaluation of the Collection Efficiency of the Size-Selective Inlet Used for the Lab-Made Bioaerosol Sampler
Han, Yichen	Poster #1484 presented 4/09 @ 12:00-1:00pm	Rio Ohtake†	Testing Cytotoxicity of MYC G4 Targeting Indenoisoquinolines in Cancer Cell Lines using MTS IC50 assay
Hanna, Jason	Poster #1432 presented 4/09 @ 12:00-1:00pm	Lauren Gartenhaus†	Investigation of VAT1 depletion in angiosarcoma
Harbin, Sherry	Poster #1252 presented 4/09 @ 10:30-11:30am	Andrew Gangstad† Shaiv Mehra† Tommy Mullin† Joshua Sexton†	Novel Injector Breaks Down Translational Barriers Paving Path for Superior Vocal Fold Medialization Materials
Harbin, Sherry	Talk #7077 presented 4/11 @ 4:40pm	Joshua Sexton†	Engineered Collagen Polymeric Materials Maintain Tissue Volume and Support Regenerative Remodeling after Volumetric Muscle Loss
Hardaway, Kendrick	Poster #1277 presented 4/09 @ 10:30-11:30am	Seungho Lee†	The Energy Transition
Hashemi, Abolfazl	Poster #1063 presented 4/09 @ 9:00-10:00am	Connie Kang† Rongbo Hu† Nicholas Martel† Qinjia Xu‡ Jessica Lyng‡ Jiaming Fang‡	Power Limitation Based on Supercapacitor
Hashemi, Abolfazl	Poster #1238 presented 4/09 @ 10:30-11:30am	Jiaming Fang† Qinjia Xu‡ Zay Linn Htet* Drew Philhower* Rongbo Hu*	Wireless Debug Access Port

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Mentor Name	Presentation	Students	Title
Hashemi, Abolfazl	Poster #1293 presented 4/09 @ 10:30-11:30am	Alexander Nishio† Dhanush Tipparaju† Jayson Stansbury*	RoboMasters Launcher Optimization
Hashemi, Abolfazl	Poster #1518 presented 4/09 @ 12:00-1:00pm	Emma Teng† Rongbo Hu† Nicholas Martel† Connie Kang† Mary Earp‡ Kalea Gin‡	Self-Navigated Unpowered Dart
Hashemi, Abolfazl	Virtual #9016 presented 4/09-4/16 virtually	Yuechan Li†	RoboMaster Hero Robot Shooting System Tuning
Hashemi, Abolfazl	Virtual #9017 presented 4/09-4/16 virtually	Jessica Lyng† Rongbo Hu† Sophie Duan* Qinjia Xu* Rika Chang*	DC-DC Converter Design and Development for Auto-Aim Testing
Hashemi, Abolfazl	Virtual #9030 presented 4/09-4/16 virtually	Tri Than†	Multi-agent RL for Drone Swarm Navigation
Hassan, Mehreen	Poster #1318 presented 4/09 @ 10:30-11:30am	Katherine Stockhausen†	Visual sampling patterns in a naturalistic setting for toddlers with autism
Hathorn, Sutton	Poster #1686 presented 4/09 @ 1:30-2:30pm	Long Nguyen†	true time delay circuit for wideband IF beamforming based on switched capacitor array
Hathorn, Sutton	Poster #1724 presented 4/09 @ 1:30-2:30pm	Nicole Wang† Asav Gandhi† Stephen Fettermant	Digital Phase Locked Loop for SoCET Applications
He, Lingqiang	Poster #1070 presented 4/09 @ 9:00-10:00am	Anna Klupshast† Jacob Strietelmeiert	Spin Correlation in Top Quark Pair Decay: An Approach with Machine Learning for Super Symmetric Exploration
He, Qihong	Poster #1014 presented 4/09 @ 9:00-10:00am	Lindsay Brncick† Boxi Gong‡ Julia Flowers‡	Bacteria-based M1-like macrophage infiltration and CD8+ T cell activation in immunologically cold tumors treated with tumor-trophic Salmonella Typhimurium expressing anticancer proteins.
He, Qixin	Talk #7070 presented 4/11 @ 3:20pm	Sarah Bennett†	A Genomic Analysis of the Global House Dust Mite Allergen Diversity
He, Yuwei	Poster #1729 presented 4/09 @ 1:30-2:30pm	Sucheol Woo† Min Yong Chun‡ Seongyun Kim‡	Improving the Engineering Behind Purdue Pete Mascot Helmet
He, Zijian	Poster #1063 presented 4/09 @ 9:00-10:00am	Connie Kang† Rongbo Hu† Nicholas Martel† Qinjia Xu‡ Jessica Lyng‡ Jiaming Fang‡	Power Limitation Based on Supercapacitor
He, Zijian	Poster #1238 presented 4/09 @ 10:30-11:30am	Jiaming Fang† Qinjia Xu‡ Zay Linn Htet* Drew Philhower* Rongbo Hu*	Wireless Debug Access Port

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Mentor Name	Presentation	Students	Title
He, Zijian	Poster #1293 presented 4/09 @ 10:30-11:30am	Alexander Nishio† Dhanush Tipparaju† Jayson Stansbury*	RoboMasters Launcher Optimization
He, Zijian	Poster #1471 presented 4/09 @ 12:00-1:00pm	Nicholas Martel† Tom O'Donnell† Thomas Greer† Yash Mehta‡	RoboMaster Auto-Aim System Tuning
He, Zijian	Virtual #9016 presented 4/09-4/16 virtually	Yuechan Li†	RoboMaster Hero Robot Shooting System Tuning
He, Zijian	Virtual #9017 presented 4/09-4/16 virtually	Jessica Lyng† Rongbo Hu† Sophie Duan* Qinjia Xu* Rika Chang*	DC-DC Converter Design and Development for Auto-Aim Testing
Helie, Sebastien	Poster #1440 presented 4/09 @ 12:00-1:00pm	Alexander Harman† Roma Kamat* Maria Armenta*	Preferences for Cognitive Effort Exertion in a Task/No-Task Paradigm
Helmick, Harrison	Poster #1007 presented 4/09 @ 9:00-10:00am	Kara Benbow† Gabriela Surdyka‡	Addition of Glutaraldehyde to Biodegradable Plant-based Films as an Alternative to Plastic Packaging
Henares, Regina	Poster #1473 presented 4/09 @ 12:00-1:00pm	Kiera Meyer† Faith McPhee* Autumn Bretwisch* Grace Pearson* Zoe Wilks* Katelin Schwab*	How Extraversion Impacts Conformity
Hennigan, Haylie	Poster #1333 presented 4/09 @ 10:30-11:30am	Caroline Zu†	Chemical synthesis of building blocks to access γ -Butyrolactones from <i>Streptomyces</i> species
Hess, Justin	Poster #1696 presented 4/09 @ 1:30-2:30pm	Tyler Ramsey†	Applying the Critical Incident Technique to Analyze the Ethical/Unethical Experiences of Biomedical Engineering Faculty
Hill, Kaylin	Poster #1237 presented 4/09 @ 10:30-11:30am	Elena Eberwine†	Examining the association between laboratory-induced stress and reward responsiveness in new mothers
Hilliard, Lisa	Poster #1249 presented 4/09 @ 10:30-11:30am	Kylee Gall†	Investigating the Impact of a Co-curricular Learning Community on the Sense of Belonging and Mental Wellness of College Students
Hilliard, Lisa	Poster #1298 presented 4/09 @ 10:30-11:30am	Holly Pickett†	Formulation of Preservation Solutions for Model Generation with In Vivo Tissue Morphology
Hoeper, Matthew	Poster #1478 presented 4/09 @ 12:00-1:00pm	Karina Morar†	Liquid Fuel Dynamics in a Rotating Detonation Engine Using Planer Laser-induced Fluorescence and Chemiluminescence
HogenEsch, Harm	Poster #1428 presented 4/09 @ 12:00-1:00pm	Delilah Flora† Gangmin Kim‡	Design and Evaluation of an IZUMO1-Based Contraceptive Vaccine for Wildlife
HogenEsch, Harm	Talk #7056 presented 4/11 @ 2:00pm	Gangmin Kim† Delilah Flora‡	Development and evaluation of a ferritin-Izumo1 protein vaccine for immunocontraception of wildlife.

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Mentor Name	Presentation	Students	Title
Hogue, Breanya	Poster #1115 presented 4/09 @ 9:00-10:00am	Chris Seligt†	Something Inside So Strong the Freedom
Hogue, Breanya	Talk #7061 presented 4/11 @ 2:00pm	Teagan Drumm† Lauren Spedale*	Impact of Freedom School At Purdue For Students K-5
Holder, Kal	Poster #1634 presented 4/09 @ 1:30-2:30pm	Athanasios Flessas† Carson Rockwell† Bailey Williams† Hayley Wong-Liong†	Determination of Threshold for Salmonella Growth to Allow Enumeration of Samples After Transportation
Hood, Kaitlyn	Poster #1334 presented 4/09 @ 10:30-11:30am	Aarav Zutshi†	Using Calculus to Solve Quadratics Faster
Hoon, Fan Jing	Virtual #9026 presented 4/09-4/16 virtually	Luca Simon† Hunter Mccollough† Pranay Jagg†	Implementing DFT for a SoC
Hoskins, Tyler	Poster #1427 presented 4/09 @ 12:00-1:00pm	Claire Fisher† Sophia Horn‡ Hallie Jackson‡ Emma Engel* Olivia Zaragoza*	Characterizing Hemoglobin Expression in Chironomus dilutus Across Larval Development
Hoskins, Tyler	Poster #1706 presented 4/09 @ 1:30-2:30pm	Jenna Schoonmaker†	Identifying metabolic signatures associated with PFAS exposure and their role in neurotoxicity in the African clawed frog (<i>Xenopus laevis</i>)
Hosseini, Mahdi	Poster #1134 presented 4/09 @ 9:00-10:00am	Zirui Zhang† Priyam Gupta‡ Shannon Cheng‡ Lauren Britten‡ Sean Ruda‡ Kevin Xiao‡	Procedural Generation with Quantum Optimization
Hua, Yizhou	Talk #7051 presented 4/11 @ 1:20pm	Jemima Baributsa†	What factors influence the willingness to pay and consumption frequency of different meats in Chinese consumers?
Huang, Yiwei	Poster #1062 presented 4/09 @ 9:00-10:00am	Elisabeth Justice†	Revitalizing Fort Wayne's Riverfront: A Nature-Based Approach
Huang, Yiwei	Poster #1731 presented 4/09 @ 1:30-2:30pm	Yahan You†	Downstream Solutions: Tackling Nutrient Pollution in the White River Basin
Hughes-Wegner, Alexandra	Talk #7074 presented 4/11 @ 3:40pm	Juliana St. Denis† Abhinaya Nagalla† Ashton Allen† Jordan Cooley† Alexandria Bedard† Sophie Shank‡ Evan Coblentz‡	Designing, Implementing, and Evaluating a Sex Trafficking & Domestic Violence Training Program for Licensed Salon Professionals in Indiana
Hussain, Muhammad	Poster #1051 presented 4/09 @ 9:00-10:00am	Khaleel Ibrahim Hassan†	Integration of paper-based wearable sensors on quadrupeds for precision agriculture
Hutzel, Bill	Poster #1527 presented 4/09 @ 12:00-1:00pm	Mark Wise† Akshay Padmanabhuni‡ Lance Berendes‡	Heat Sink Design for Metal Additive Manufacturing
Ibrahim, Omnia	Poster #1487 presented 4/09 @ 12:00-1:00pm	Amanda Pawlecki† Aryaman Dewan*	PASylation as a promising protein modification to prolong Interleukin 27 (IL-27) half-life

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Mentor Name	Presentation	Students	Title
Iglesia, Enrique	Poster #1410 presented 4/09 @ 12:00-1:00pm	Arjun Bhadoria†	Acid Catalysis by Hydronium Ions in the Dissociation of Aqueous Zeolitic Acids
Im, Sumin	Poster #1430 presented 4/09 @ 12:00-1:00pm	Augustine Gallespent† Autumn Reynoldst†	A Study on Children's Bedtime Story Books for their Effect on Children's Perception of Sleep
Imhoff, Mackenzie	Poster #1130 presented 4/09 @ 9:00-10:00am	Ellen Weit†	Development and Assessment of Potent and Selective GRK6 Inhibitors for Treatment of Multiple Myeloma
Jaiswal, Aparajita	Poster #1465 presented 4/09 @ 12:00-1:00pm	Jerry Liu†	Exploring Roots of Intercultural Competence Using BEVI
Jaiswal, Aparajita	Poster #1629 presented 4/09 @ 1:30-2:30pm	Atin Dewant†	Intercultural Competence in Pre-Freshman Study Abroad
Jaiswal, Prateek	Poster #1465 presented 4/09 @ 12:00-1:00pm	Jerry Liu†	Exploring Roots of Intercultural Competence Using BEVI
Janis, Amy	Poster #1642 presented 4/09 @ 1:30-2:30pm	Carlos Guzman Garcia†	Do girls with Attention-Deficit/Hyperactivity Disorder (ADHD) present with more sleep problems?
Janis, Amy	Virtual #9008 presented 4/09-4/16 virtually	Maelyn Fulton†	Angelman and Fragile X Syndromes – Early Sleep Patterns
Jannasch, Amber	Poster #1425 presented 4/09 @ 12:00-1:00pm	Jacob Eyster†	Oral Nicotine Pouches Induce Cellular Toxicity in Human Primary Oral Keratinocytes
Jansson, Ingela	Talk #7005 presented 4/11 @ 9:00am	Shayden Jones† Max Zeltsar‡	Livestock Predation Patterns by Lions, Leopards, and Spotted Hyenas in the Ngorongoro Conservation Area, Tanzania
Jenkins, Jonathan	Poster #1326 presented 4/09 @ 10:30-11:30am	Bruce Ward†	Connectivity, Relative Pitch, and Transposition in Carolina Chickadees (<i>Parus carolinensis</i>) of Central Indiana
Jiang, Jianglin	Talk #7010 presented 4/11 @ 10:40am	Grayson Wittbrod†	Real-Time Volatile Chemical Screening of Environmental Media to Support Disaster Response
Jiang, Jing	Poster #1118 presented 4/09 @ 9:00-10:00am	Richard Silvester† Aadi Jangid† Alejandra De la Torre Garcia† Aarohi Panzade‡ Philip Liu‡ Pavan Sathengeri‡ Katelin McCalli Rainey‡ Ji Yeon Lee‡	Speech recognition in Aphasia Patients through Self-Powered Wearable Sensors
Jiang, Wenxin	Poster #1272 presented 4/09 @ 10:30-11:30am	Mingyu Kim† Heesoo Kim†	Addressing Model Architecture Misclassification for open-source Pre-trained Model packages
Jiang, Xue	Poster #1523 presented 4/09 @ 12:00-1:00pm	Daniela Valencia†	The Relationships between Sources of Support, Stressor Types, and Level of Psychological Stress among Latine Youth from Rural and Agricultural Families
Jimenez, Juan	Poster #1667 presented 4/09 @ 1:30-2:30pm	Jingqing Liu†	Seismic Cracking of Embankments and Earth Dams

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Mentor Name	Presentation	Students	Title
Jo, Soojung	Poster #1005 presented 4/09 @ 9:00-10:00am	Ella Barnes† Emily Klaiber‡	Current State of parental HPV Vaccine Hesitancy: An Integrative Review
Jo, Soojung	Poster #1055 presented 4/09 @ 9:00-10:00am	Jon Hurley†	Exploring the needs of maternal Tdap vaccine among pregnant women: An Analysis of Reddit postings.
Jo, Soojung	Poster #1080 presented 4/09 @ 9:00-10:00am	Selina Lin† Chris Farber* Neel Sarathy*	Emotions Surrounding Human Papillomavirus Vaccination Discussion on Reddit
Jo, Soojung	Poster #1239 presented 4/09 @ 10:30-11:30am	Chris Farber† Neel Sarathy‡ Selina Lin‡	Analysis of Online HPV Vaccine Hesitancy
Jo, Soojung	Poster #1498 presented 4/09 @ 12:00-1:00pm	Neel Sarathy† Selina Lin* Chris Farber*	Thematic patterns and subtopics revealed through topic modeling methods on discussions in Reddit regarding HPV vaccines.
Johnson, Alexandria	Poster #1213 presented 4/09 @ 10:30-11:30am	Sydney Brown†	Microplastics in precipitation in the Greater Lafayette area
Johnson, Mark	Poster #1017 presented 4/09 @ 9:00-10:00am	Lorenzo Cacciapuoti†	Decentralized Wireless Microchip Array For Large-Scale Neural Spike Recording
Johnson, Mark	Poster #1042 presented 4/09 @ 9:00-10:00am	Rohan Gangaraju† Pranav Srisankar† Sean Greenley†	Implementation of Hardware Multithreading on RISC-V Microcontroller
Johnson, Mark	Poster #1315 presented 4/09 @ 10:30-11:30am	Yashashwini Singh† Leo Malachowski† Tushar Singh† Alex Tauriainen† Michael Lee† Arjun Sideryst† Duc Pham† Eduard Tanaset† Khanh Nguyen† Justin Sanchez† Venya Bhardwaj‡ Geetika Chitturi‡	Intro to SoCET
Johnson, Mark	Poster #1412 presented 4/09 @ 12:00-1:00pm	Praneel Bhandari† Akhilesh Prasad†	UVM Verification for APB-AHB Bridge Design
Johnson, Mark	Poster #1416 presented 4/09 @ 12:00-1:00pm	Siddarth Calidast† Jerry Chen† Yilin Xu†	SoC Verification: Verifying Behavior of On-Chip Modules
Johnson, Mark	Poster #1455 presented 4/09 @ 12:00-1:00pm	Dhruv Khatri† Ann Zi Lau†	RISC-V Branch Prediction
Johnson, Mark	Poster #1472 presented 4/09 @ 12:00-1:00pm	Malcolm McClymont† Burkay Sahin† Devin Singh‡	Heterogenous Multicore for Embedded Applications
Johnson, Mark	Poster #1501 presented 4/09 @ 12:00-1:00pm	Neha Sharma† Mir Yim† Rohit Lala† Andrew Lykken†	Development of an Audio Synthesizer Utilizing AFTx07 Microcontroller
Johnson, Mark	Poster #1508 presented 4/09 @ 12:00-1:00pm	Vidisha Singhal†	DMA Controller with Cache Coherence and Trigger Mechanism

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Mentor Name	Presentation	Students	Title
Johnson, Mark	Poster #1617 presented 4/09 @ 1:30-2:30pm	Jacob Chappell† Harnoor Cheema†	QDILink
Johnson, Mark	Poster #1619 presented 4/09 @ 1:30-2:30pm	Sooraj Chetput† Johnathan Hong† Alex Chitsazzadeh† FangLing (Victor) Zhang† Khoi Pham† Zengxiang (Tim) Han† Justin Cambridge† Htet Yan† Spencer Bowles‡	XOR: SIMT-Scalar architecture for Control Flow Divergence
Johnson, Mark	Poster #1622 presented 4/09 @ 1:30-2:30pm	Indrayudh Chowdhury†	UVM-Based Verification of Platform-Level Interrupt Controllers
Johnson, Mark	Poster #1644 presented 4/09 @ 1:30-2:30pm	Timothy Heint†	Purdue SoCET: Semiconductor Post-Layout Verification and Simulation
Johnson, Mark	Poster #1677 presented 4/09 @ 1:30-2:30pm	Maxwell Michalec† Fahad Aloufi† Om Gupta†	RISC-V Vector Processor for Embedded Applications
Johnson, Mark	Poster #1695 presented 4/09 @ 1:30-2:30pm	Michael Piper†	LLMs in Digital Hardware Design: A Literature Review
Johnson, Mark	Poster #1724 presented 4/09 @ 1:30-2:30pm	Nicole Wang† Asav Gandhi† Stephen Fetterman†	Digital Phase Locked Loop for SoCET Applications
Johnson, Mark	Virtual #9000 presented 4/09-4/16 virtually	Hassan Alalawi† Varun Vaidyanathan† Yue Yin† Derek Chi†	QSPI Implementation for the AFTx07
Johnson, Mark	Virtual #9002 presented 4/09-4/16 virtually	Ishaan Bhatt† Rithvik Raja‡ Aryan Kadakia‡ Raam Diora‡	Digital Mux Verification
Johnson, Mark	Virtual #9006 presented 4/09-4/16 virtually	Jaehong Choi† Rohan Joshi† Wen-Bo Hung† Yunlin Zhang†	JTAG for AFTx08 Digital Design
Johnson, Mark	Virtual #9013 presented 4/09-4/16 virtually	Claire Kim† William Kwon†	Modification of Boot Loader for AFTx07 Chip
Johnson, Mark	Virtual #9020 presented 4/09-4/16 virtually	Sammie Okodaso† Olusegun Ogunwemimo†	GPIO Verification
Johnson, Mark	Virtual #9025 presented 4/09-4/16 virtually	MD Sadman Rafi† Milen Mundackal Manoj†	Verification for APB Requester
Johnson, Mark	Virtual #9026 presented 4/09-4/16 virtually	Luca Simoni† Hunter Mccollough† Pranay Jaggi†	Implementing DFT for a SoC
Johnson, Michael	Poster #1024 presented 4/09 @ 9:00-10:00am	Catherine Conway†	Purdue University's Complex Dance with Sexual Assault
Johnson, Michael	Poster #1086 presented 4/09 @ 9:00-10:00am	Annie McCarthy†	Purdue Students' Perception of Exercise
Johnson, Michael	Poster #1102 presented 4/09 @ 9:00-10:00am	Megan Perr†	Differences in Academic Performance Between Morning and Night People
Johnson, Michael	Poster #1125 presented 4/09 @ 9:00-10:00am	Ameera Trady†	Plate of possibilities: Purdue's vision for inclusive nutrition

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Mentor Name	Presentation	Students	Title
Johnson, Michael	Poster #1205 presented 4/09 @ 10:30-11:30am	Kyala Augustin†	The Black College Experience at Purdue University
Johnson, Michael	Poster #1230 presented 4/09 @ 10:30-11:30am	Lauryn Crumbley† Ryan Mason* Kinaya Hines*	CAPS in the Eyes of Others
Johnson, Michael	Poster #1287 presented 4/09 @ 10:30-11:30am	Vihaan Mercchant†	Integrating AI in Higher Education: Opportunities and Challenges
Johnson, Michael	Poster #1316 presented 4/09 @ 10:30-11:30am	Lyndsey Sipe†	Examining the Relationship Between Academic Burnout and College Students
Johnson, Michael	Poster #1328 presented 4/09 @ 10:30-11:30am	Carter Wilson†	Beyond the Dorms: Probing Purdue's Housing Crisis through Student Insights and Institutional Strategies
Johnson, Michael	Poster #1482 presented 4/09 @ 12:00-1:00pm	David OBrient†	Purdue University Eating Habits
Johnson, Michael	Poster #1601 presented 4/09 @ 1:30-2:30pm	Cornelius Adeola†	The Causes of the Housing Crisis at US Big 10 Colleges
Johnson, Michael	Poster #1632 presented 4/09 @ 1:30-2:30pm	Ayden Fahey†	Exploring the Relationship Between Students with Disabilities and Greek Life: A Campus Perspective
Johnson, Michael	Poster #1658 presented 4/09 @ 1:30-2:30pm	Haleigh Kolosso†	Prioritizing Student Health: Investigating Purdue's Commitment to Their Students
Johnson, Michael	Poster #1710 presented 4/09 @ 1:30-2:30pm	Hyerin Sohn†	Breaking Barriers to Mental Health Support: Exploring CAPS' Specialized Care Programs
Johnson, Michael	Poster #1728 presented 4/09 @ 1:30-2:30pm	Clayton Wimmersberger†	Investigation of Food Quality, Accessibility, and Insecurity at Purdue University, West Lafayette
Johnson, Michael	Talk #8008 presented 4/11 @ 12:40pm	Aaron Gonzalez†	Understanding Factors Contributing to the Housing Shortage at Purdue University
Johnson, Michael	Poster #8015 presented 4/11 @ 3:00pm	Marie-Alexan Gnagne†	Purdue Empowers Stress Management Among Students
Johnson, Michael	Virtual #9003 presented 4/09-4/16 virtually	Macy Blucher†	Understanding How College Students View and Use Mental Health Resource
Johnson, Tim	Poster #1081 presented 4/09 @ 9:00-10:00am	Erica Long†	A prediction model of antibiotic treatment success in dairy calves with bovine respiratory disease
Jung, Andreas	Poster #1023 presented 4/09 @ 9:00-10:00am	Vladimir Condino† Jaiveer Dutta† Andrew Nilsson† James Strayhorn† Andrew Coleman†	Separating Standard Model and SUSY Dataframes Using Neural Networks
Jung, Andreas	Poster #1070 presented 4/09 @ 9:00-10:00am	Anna Klupshas† Jacob Strietelmeier†	Spin Correlation in Top Quark Pair Decay: An Approach with Machine Learning for Super Symmetric Exploration
Jung, Andreas	Poster #1088 presented 4/09 @ 9:00-10:00am	Karrick McGinty† Mason Giacchetti* Travis Hastreiter*	Finding the Sensitivity of Detecting Toponium at the LHC

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Mentor Name	Presentation	Students	Title
Jung, Andreas	Poster #1201 presented 4/09 @ 10:30-11:30am	Divij Agarwal† Vasileios Kalaitzidis† Liam Gallagher†	Using machine learning to classify signal and background in the data from XENONnT Detector
Jung, Andreas	Poster #1627 presented 4/09 @ 1:30-2:30pm	Gino Daniels† Sean Wall† Cole Murphy† Ishan Goel† Bornik Nag† Ayusha Patra† Fabiana Correa†	Improving Efficiency of Track Particle Clustering using Hybrid Classical-Quantum Computing for Future Detectors
Jung, Andreas	Poster #1680 presented 4/09 @ 1:30-2:30pm	Wyatt Montgomery†	Comparing the reconstruction methods of the top quark in hadron collisions
Jung, Andreas	Poster #1692 presented 4/09 @ 1:30-2:30pm	Rohan Patel† Cara Suht† Xiaoyu Liu† Yicheng Wu† Amelia Binou*	Separating Standard Model and SUSY Dataframes Using Neural Networks
Jung, Andreas	Poster #1730 presented 4/09 @ 1:30-2:30pm	Lexing Xu† Anish Tilak‡ Alexandre Chevalier* Nicholas Erikson*	Design of CO2 blow out cooling system for silicon particle detectors
Jung, Nusrat	Talk #7010 presented 4/11 @ 10:40am	Grayson Wittbrodt†	Real-Time Volatile Chemical Screening of Environmental Media to Support Disaster Response
Kaissar, Molly	Talk #7064 presented 4/11 @ 3:20pm	Sarah Grev†	An in vivo assessment of cardiac remodeling during chronic hypertension in pregnancy
Kang, Kyubyung	Talk #7035 presented 4/11 @ 12:00pm	Clayton Cobb† Jeremy Rashkin† Chloe Graham†	Digitalized Manufacturing of Fiber-reinforced Composite Patching for Steel Bridge Girder Repair
Kao, Alvin	Poster #1123 presented 4/09 @ 9:00-10:00am	Eva Taylor† Ashlita Lodha‡ Mark Naguib‡ Isabella Wilson‡	The Effect of Collaboration on Exercise-Induced Change in Cognitive Performance
Kao, Alvin	Poster #1479 presented 4/09 @ 12:00-1:00pm	Mark Naguib†	The acute effect of resistance exercise and chronotype on memory consolidation in young and middle-aged adults.
Karalunas, Sarah	Poster #1254 presented 4/09 @ 10:30-11:30am	Grace Gilbert† Trina Tagamolila‡ Sarah Ramsey‡	Examining neurophysiological responses to emotionally salient stimuli in children with ADHD
Karalunas, Sarah	Poster #1291 presented 4/09 @ 10:30-11:30am	Lillian Millspaugh†	Examining the relationship between attention and negative affect in infancy
Karalunas, Sarah	Talk #7044 presented 4/11 @ 1:00pm	Madalyn Owen†	Disrupting the Binary in Laboratory Paradigms: Validation of a New Measure of Emotional Variation in Cognitive Control
Karcher, Darrin	Talk #7006 presented 4/11 @ 9:20am	Serena Wesley†	Orange Corn-based diet improves total antioxidant capacity in layer pullets compared to traditional yellow corn diets.

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Mentor Name	Presentation	Students	Title
Karippadath, Anupriya	Poster #1705 presented 4/09 @ 1:30-2:30pm	Nandhitaa Satya† Perion Sharp†	The Process of Scientific Inquiry: Undergraduate Conceptions and Formulations of Scientific Hypotheses and Predictions
Karmarkar, Sushrut	Poster #1265 presented 4/09 @ 10:30-11:30am	Marco Herbsommer†	Using THz spectroscopy to identify corrosive waste and plastics
Karmarkar, Sushrut	Poster #1730 presented 4/09 @ 1:30-2:30pm	Lexing Xu† Anish Tilak‡ Alexandre Chevalier* Nicholas Erikson*	Design of CO2 blow out cooling system for silicon particle detectors
Kasinski, Andrea	Talk #7047 presented 4/11 @ 1:00pm	Alexandra Glaws†	Noncanonical regulation of genes by KMT5C-H4K20me3 in EGFR inhibitor resistance in non-small cell lung cancer
Kasting, Monica	Talk #7004 presented 4/11 @ 9:40am	Nicole Stepp† Samantha Ky† Evan Coblenz* Caroline Packee*	Navigating Health Information: Factors Influencing Decision Making in Emerging Adults
Kasting, Monica	Talk #7033 presented 4/11 @ 12:20pm	Samantha Ky† Nicole Stepp† Evan Coblenz† Sathveka Sembian‡ Caroline Packee*	Implementing Campus-Wide Vaccine Clinics Through Interdisciplinary and Community Partnerships
Katare, Bhagyashree	Poster #1116 presented 4/09 @ 9:00-10:00am	Shatakshi Shelar† Yu Lu†	Interventions to Support Wellbeing of Rural Family Caregivers of Older Adults: A Systematic Review
Kaufman, Sara	Poster #1121 presented 4/09 @ 9:00-10:00am	Sophie Stahl†	Lessons Learned and Recommendations from Practitioners in Equine-Assisted Services Following the Death of an Equine
Keehn, Brandon	Poster #1469 presented 4/09 @ 12:00-1:00pm	Kailin Ma† Anh Duong†	Dopaminergic Activity, Executive Functions and Autistic/ ADHD traits: A Study of Spontaneous Eye Blink Rate
Keehn, Brandon	Talk #7002 presented 4/11 @ 9:00am	Riley Rozniarek† Anna Hodge* Mallory Schrof*	Various Repetitive Behavior Types Lead to Changes in Facial Affect
Keehn, Brandon	Talk #7023 presented 4/11 @ 11:00am	Aaliyah Saunders† Sarah Langdon‡	Racial and Ethnic Disparities in Service Referral and Use Among High-Risk Children Diagnosed with Autism Spectrum Disorder
Kelleher, Bridgette	Poster #1058 presented 4/09 @ 9:00-10:00am	Rachel Isaac† Maria Armenta†	Person, Object, and Coordinated Joint Engagement Profiles in Toddlers with Angelman Syndrome
Kelleher, Bridgette	Poster #1719 presented 4/09 @ 1:30-2:30pm	Lauren Urban†	Associations Between Diet Quality and Behavioral Outcomes in Children with Angelman Syndrome
Kelleher, Bridgette	Talk #7022 presented 4/11 @ 11:40am	Carina Crisan†	Differences in Gut Microbial Patterns between Individuals with Angelman Syndrome and their First-Degree Relatives.
Ken-Opurum, Ejike	Poster #1103 presented 4/09 @ 9:00-10:00am	Giulio Pettenati†	Microbial Growth in Point-of-Use Water Filtration Systems

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Mentor Name	Presentation	Students	Title
Kenttamaa, Hilikka	Talk #7048 presented 4/11 @ 1:20pm	Daria Tsoneva†	Diagnostic gas-phase ion-molecule reactions for the identification of hydroxy-substituted N-nitrosamines in tandem mass spectrometry
Kerr, Alison	Poster #1696 presented 4/09 @ 1:30-2:30pm	Tyler Ramsey†	Applying the Critical Incident Technique to Analyze the Ethical/Unethical Experiences of Biomedical Engineering Faculty
Kerstein, Pat	Poster #1019 presented 4/09 @ 9:00-10:00am	Jonah Chang†	Effects of Lead Exposure on Mouse Optic Nerve
Kerstein, Pat	Poster #1069 presented 4/09 @ 9:00-10:00am	Caleb Klopfenstein†	The Effects of Lead Exposure on Retinal Neurons in the Visual System
Kerstein, Pat	Poster #1477 presented 4/09 @ 12:00-1:00pm	Katlynn Mistina†	Expression of transcription factors Meis2 and Tcf4 in the developing mouse visual system.
Kessler, Sharon	Poster #1274 presented 4/09 @ 10:30-11:30am	Molly Kosiba†	Determining the roles of MLO1 and MLO15 in plant development through the characterization of mutant and overexpressor lines
Khandokar, Labony	Poster #1019 presented 4/09 @ 9:00-10:00am	Jonah Chang†	Effects of Lead Exposure on Mouse Optic Nerve
Kim, Garam	Poster #1219 presented 4/09 @ 10:30-11:30am	Jingyu Chen†	Demonstration of a fabrication method of carbon-fiber-reinforced composite honeycomb core and investigation of its properties.
Kim, Garam	Poster #1457 presented 4/09 @ 12:00-1:00pm	Seongyun Kim† Harry Lee‡	Investigation of 3D Printed Carbon Fiber Reinforced Thermoplastic Composite Tool Shape Stability During Heat Treatment
Kim, Garam	Poster #1623 presented 4/09 @ 1:30-2:30pm	Min Yong Chun†	Investigation of patching effect using carbon fiber reinforced polymer on damaged composite material.
Kim, Garam	Poster #1723 presented 4/09 @ 1:30-2:30pm	Samantha Wada† Caden Cowles† Sinhong Park†	Investigation of Chladni Patterns of Fiber Reinforced Polymer Composite Laminate with Different Fiber Orientation
Kim, Garam	Poster #1729 presented 4/09 @ 1:30-2:30pm	Sucheol Woo† Min Yong Chun‡ Seongyun Kim‡	Improving the Engineering Behind Purdue Pete Mascot Helmet
Kim, Garam	Talk #7035 presented 4/11 @ 12:00pm	Clayton Cobb† Jeremy Rashkin† Chloe Graham†	Digitalized Manufacturing of Fiber-reinforced Composite Patching for Steel Bridge Girder Repair
Kim, Garam	Talk #7036 presented 4/11 @ 12:20pm	Matthew Elliott† Ryan Seller† Simon Lin†	Investigation on the Impact of Target Surfaces in Relation to Rotorcraft Fuel Tank Drop Test Certification Processes.

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Mentor Name	Presentation	Students	Title
Kim, Jaeun	Poster #1240 presented 4/09 @ 10:30-11:30am	Maximillian Farrell† Jack Scarfo† Anish Asthi† Minh Vu† Vinh Tran† Mateo Hackett† Michael Piper† Anthony Wachowski† Avinash Ignaczak†	Research and Development in IoT and Edge Processing
Kim, Noori	Poster #1030 presented 4/09 @ 9:00-10:00am	Tanvi Dhawade†	Analyzing Spatial-Temporal Dynamics of the Hearing-Impaired Population to guide Sustainable Urban Development
Kim, Noori	Poster #1683 presented 4/09 @ 1:30-2:30pm	Keisuke Nakamura†	Digital Therapeutics in Hearing Healthcare
Kim, Noori	Poster #1723 presented 4/09 @ 1:30-2:30pm	Samantha Wada† Caden Cowles† Sinhong Park†	Investigation of Chladni Patterns of Fiber Reinforced Polymer Composite Laminate with Different Fiber Orientation
Kim, Seyoung	Poster #1126 presented 4/09 @ 9:00-10:00am	Calla Tuckert†	Understanding PS-PEG-OH Polymer Spreading Dynamics at the Air-Water Interface
Kim, Yesol	Poster #1469 presented 4/09 @ 12:00-1:00pm	Kailin Ma† Anh Duong†	Dopaminergic Activity, Executive Functions and Autistic/ ADHD traits: A Study of Spontaneous Eye Blink Rate
Kimiecik, Carlyn	Poster #1449 presented 4/09 @ 12:00-1:00pm	Mahee Jain†	Positives Amidst the Challenges: Perspectives from Adolescents in Families Experiencing Homelessness and Housing Instability
Kincaid, Reilly	Talk #7015 presented 4/11 @ 10:20am	Julieta Aguilar†	Racial inequality on Mturk: Racial Differences in Gig Worker's Satisfaction with Schedules
Kinnally, Cara	Talk #8011 presented 4/11 @ 1:40pm	Marilu Perez Castro†	Systemic Racism in the Education of Latinos
Kinnally, Cara	Talk #8012 presented 4/11 @ 2:00pm	David Arteaga†	Analyzing Social and Cultural Determinants of Cancer Outcomes in Latinx Communities
Kinzig, Kim	Poster #1015 presented 4/09 @ 9:00-10:00am	Jaden Brooks†	Weak Shock Exposure Is Behaviorally Different From Extinction In Reducing Stress-Enhanced Fear
Kinzig, Kim	Virtual #9001 presented 4/09-4/16 virtually	Sydney Bansback†	Early Food Insecurity: The Impact of Adolescent Food Insecurity on Early Adulthood Anxiety-Like Behaviors
Kissui, Bernard	Talk #7005 presented 4/11 @ 9:00am	Shayden Jones† Max Zeltsar‡	Livestock Predation Patterns by Lions, Leopards, and Spotted Hyenas in the Ngorongoro Conservation Area, Tanzania
Kistler, Brandon	Poster #1262 presented 4/09 @ 10:30-11:30am	Anna Hardy†	The Effect of Home Processing on Nut Oxalate Concentrations
Kistler, Brandon	Poster #1435 presented 4/09 @ 12:00-1:00pm	Claire Gourlay†	A pilot study on the effect of home processing on inositol phosphates and phosphorus accessibility in almonds

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Mentor Name	Presentation	Students	Title
Klimov, Pavel	Talk #7070 presented 4/11 @ 3:20pm	Sarah Bennett†	A Genomic Analysis of the Global House Dust Mite Allergen Diversity
Koch, Kaitlyn	Talk #7033 presented 4/11 @ 12:20pm	Samantha Ky† Nicole Stepp† Evan Coblentz† Sathveka Sembian‡ Caroline Packee*	Implementing Campus-Wide Vaccine Clinics Through Interdisciplinary and Community Partnerships
Kokini, Joe	Poster #1007 presented 4/09 @ 9:00-10:00am	Kara Benbow† Gabriela Surdyka‡	Addition of Glutaraldehyde to Biodegradable Plant-based Films as an Alternative to Plastic Packaging
Koneru, Abbey	Poster #1506 presented 4/09 @ 12:00-1:00pm	Shiv Shukla†	In-Vitro Characterization of Ultrafine Particles Using Realistic Parameters to Predict Lung Deposition and Assess Health Effects
Kong, Nan	Poster #1002 presented 4/09 @ 9:00-10:00am	Nathan Arnold† Alexander Eiguren† Anna Radulski† Grant Sims† Alan Chao†	Biomedical Drone for Narcan Delivery
Krishna, Ashima	Poster #1726 presented 4/09 @ 1:30-2:30pm	Nah'Shon Williams†	Profiles In Lafayette's Underground Railroad: Martin L. Pierce
Krishna, Ashima	Talk #7007 presented 4/11 @ 9:40am	Johnny Dong†	Exploring Black Heritage in Greater Lafayette through Cultural Places, Spaces, and Landscapes
Krishne Gowda, Manish Kumar	Poster #1712 presented 4/09 @ 1:30-2:30pm	Daanish Suhail† Kshitij Shah† Jack Willard† Troy Maddent† Pryce Tharpe†	Beyond5G
Krogmeier, James	Poster #1712 presented 4/09 @ 1:30-2:30pm	Daanish Suhail† Kshitij Shah† Jack Willard† Troy Maddent† Pryce Tharpe†	Beyond5G
Kuang, Shihuan	Poster #1507 presented 4/09 @ 12:00-1:00pm	Erik Sillaste†	FAM210A Mediates Skeletal Muscle Regeneration After Injury and Promotes Myogenic Differentiation
Kuang, Shihuan	Talk #7020 presented 4/11 @ 11:00am	Kashyap Akkinapally†	Investigating the Implication of Delta-Like 1 Intracellular Domain Over-expression on Muscle Stem Cell Differentiation
Kubis, Tillmann	Poster #1074 presented 4/09 @ 9:00-10:00am	Sangjin Lee† Andrew Liu‡ Benjamin Miller‡ Ansh Gangapurkar‡ Hyun (Eric) Kang‡ Rahul Menon‡	Enhancing Conduction Band Analysis with Leveraging Eigenvectors and Mode Space for Efficient Matrix Operations in Coming Machine Learning
Kubis, Tillmann	Poster #1251 presented 4/09 @ 10:30-11:30am	Ansh Gangapurkar† Sangjin Lee* Andrew Liu* Rahul Menon* Hyun (Eric) Kang*	Machine learning support for semiconductor nanodevice design
Kubis, Tillmann	Poster #1257 presented 4/09 @ 10:30-11:30am	Paige Greenfield†	PFOA Product Determination.

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Mentor Name	Presentation	Students	Title
Kubis, Tillmann	Poster #1666 presented 4/09 @ 1:30-2:30pm	Andrew Liu† Ansh Gangapurkar* Ben Miller* Eric Kang* Rahul Menon* Sangjin Lee*	Machine Learning for Mode Space Basis Generation
Kubis, Tillmann	Virtual #9012 presented 4/09-4/16 virtually	Hyun (Eric) Kang†	Machine Learning Support for Semiconductor Nanodevice Design Research
Kubis, Tillmann	Virtual #9018 presented 4/09-4/16 virtually	Rahul Menon† Benjamin Miller† Andrew Liu† Sangjin Lee† Ansh Gangapurkar† Hyun (Eric) Kang†	Machine Learning Support for Semiconductor Nanodevice Design Project
Kulkarni, Ritwik	Poster #1437 presented 4/09 @ 12:00-1:00pm	Nolan Gronowski†	Surface Curvature Use for the Mitigation of Thermal Grease Pump- Out
Labi, Samuel	Poster #1255 presented 4/09 @ 10:30-11:30am	Jennifer Gillette† Jaron Hunt† Danny Thornewell†	Image Processing for Lane and Object Detection for Autonomous Vehicles
Labi, Samuel	Poster #1687 presented 4/09 @ 1:30-2:30pm	Alec Pannunzio†	Cascade Control with Stanley- Tracking for High-Speed Autonomous Racecars
Lai, Dali	Poster #1456 presented 4/09 @ 12:00-1:00pm	Seeun Kim†	Resistor to Resistor Digital to Analog Converter (R2R DAC)
Lalani, Nasreen	Poster #1116 presented 4/09 @ 9:00-10:00am	Shatakshi Shelar† Yu Lu†	Interventions to Support Wellbeing of Rural Family Caregivers of Older Adults: A Systematic Review
Lanman, Nadia	Poster #1273 presented 4/09 @ 10:30-11:30am	Andree Kolliegbo†	Using single-cell RNA sequencing to identify leukocyte subsets present in benign prostatic hyperplasia
LaRoche, Kathryn	Poster #1044 presented 4/09 @ 9:00-10:00am	Madelyn Gearld† Julia Flowers†	Evaluating the Quality of Health Education Materials About Substance Use During Pregnancy from County Health Departments in Indiana
LaRoche, Kathryn	Poster #1256 presented 4/09 @ 10:30-11:30am	Emma Gordon†	"I'm 17 and can't tell my parents...": Evaluating 19-months of messages to a youth-focused, reproductive justice text line in Missouri
LaRoche, Kathryn	Poster #1633 presented 4/09 @ 1:30-2:30pm	Kiki Finlayson† Emma Gordon‡ Alana Powell‡	What is it like to access legal abortion care under Indiana law? A study protocol
LaRoche, Kathryn	Virtual #9023 presented 4/09-4/16 virtually	Alana Powell†	"There is nothing they could do for me": Patient experiences with miscarriage in the Midwest before and after Dobbs
Larranaga, Daniel	Poster #1305 presented 4/09 @ 10:30-11:30am	Oliwia Rentley†	Size matters more when you don't know "it"
Larranaga, Daniel	Poster #1441 presented 4/09 @ 12:00-1:00pm	Jacob Henley† Xinmeng Zhou† Madhura Kawat†	The role of practice: Does practicing reduce attentional benefits?

Spring 2024 Undergraduate Research Conference: *List by Mentor*

Mentor Name	Presentation	Students	Title
Laskin, Julia	Poster #1516 presented 4/09 @ 12:00-1:00pm	Erik Sveent†	Facilitating Enzyme Deposition for Imaging of N-linked glycans using a Mini-humidifier
Laskin, Julia	Poster #1626 presented 4/09 @ 1:30-2:30pm	Ronald Cutler†	Probing the Formation of Reactive Oxygen Species at the Surface of Charged Microdroplets
Laskin, Julia	Poster #1648 presented 4/09 @ 1:30-2:30pm	Daniel Hristov†	Understanding the stability and fragmentation of gas-phase host-guest complexes of cyclodextrins and methyl viologen
Latour Teed, Carlay	Poster #1698 presented 4/09 @ 1:30-2:30pm	Jordan Reynolds†	Modeling Avian Color Vision: Spectral Discrimination in Ultraviolet Sensitive and Violet Sensitive Birds
Latour Teed, Carlay	Talk #7071 presented 4/11 @ 3:40pm	Lilianne Brush†	Quantifying the impact of cone opponency on predictions of color discrimination.
Lau, Ann Zi	Virtual #9026 presented 4/09-4/16 virtually	Luca Simoni† Hunter Mccollough† Pranay Jaggi†	Implementing DFT for a SoC
Lau, Holman	Poster #1407 presented 4/09 @ 12:00-1:00pm	Nikolai Baranov†	Performance Optimization and Thermal Management Solutions for a Sustainable Microsized Hydrogen-Powered Turbo-Shaft Engine
Le, Tho	Poster #1107 presented 4/09 @ 9:00-10:00am	Zachary Ramirez†	Assessing the Resilience of the Semiconductor Supply Chain
Le, Tho	Poster #1268 presented 4/09 @ 10:30-11:30am	Hoang Hua† Areli Viveros-Hernandez†	Understanding Social Acceptance and Safety Aspects of Sidewalk Delivery Robots
Le, Tho	Poster #1718 presented 4/09 @ 1:30-2:30pm	Shou-Fu Tseng† Brandon Farber†	Lean six sigma applications in semiconductor industry
Lee, Brian	Poster #1259 presented 4/09 @ 10:30-11:30am	Vinay Gupta† Shrienidhi Gopalakrishnan‡	Accelerating Radiation Damage Simulation through Machine Learning
Lee, Brian	Virtual #9010 presented 4/09-4/16 virtually	Shrienidhi Gopalakrishnan† Vinay Gupta‡	SCALE: RH Machine-learning based optimization of materials for microelectronics
Lee, Chang Geun	Poster #1693 presented 4/09 @ 1:30-2:30pm	Nicholas Pecoraro† Shane Limas†	Development of a lab-scale welding fume test system for occupational health and toxicological research
Lee, Ji Yeon	Poster #1118 presented 4/09 @ 9:00-10:00am	Richard Silvester† Aadi Jangid† Alejandra De la Torre Garcia† Aarohi Panzade‡ Philip Liu‡ Pavan Sathengeri‡ Katelin Mcalli Rainey‡ Ji Yeon Lee‡	Speech recognition in Aphasia Patients through Self-Powered Wearable Sensors
Lee, Kangseok	Poster #1729 presented 4/09 @ 1:30-2:30pm	Sucheol Woo† Min Yong Chun‡ Seongyun Kim‡	Improving the Engineering Behind Purdue Pete Mascot Helmet
Lee, Kyoung-Soo	Poster #1490 presented 4/09 @ 12:00-1:00pm	Ethan Pinarski†	Spectroscopic Validation of ODIN-DESI LAE Catalogs

Spring 2024 Undergraduate Research Conference: *List by Mentor*

Mentor Name	Presentation	Students	Title
Lee, Rich	Poster #1289 presented 4/09 @ 10:30-11:30am	Audrey Middaugh†	The Role of Parent-Child Relationship Quality on the Association between Racial-Ethnic Socialization and Youth Well-being in Transracial Adoptees
LeFever, William	Poster #1257 presented 4/09 @ 10:30-11:30am	Paige Greenfield†	PFOA Product Determination.
Lemus, Daniel	Poster #1074 presented 4/09 @ 9:00-10:00am	Sangjin Lee† Andrew Liu‡ Benjamin Miller‡ Ansh Gangapurkar‡ Hyun (Eric) Kang‡ Rahul Menon‡	Enhancing Conduction Band Analysis with Leveraging Eigenvectors and Mode Space for Efficient Matrix Operations in Coming Machine Learning
Lemus, Daniel	Poster #1666 presented 4/09 @ 1:30-2:30pm	Andrew Liu† Ansh Gangapurkar* Ben Miller* Eric Kang* Rahul Menon* Sangjin Lee*	Machine Learning for Mode Space Basis Generation
Li, Junfei	Poster #1301 presented 4/09 @ 10:30-11:30am	Zachary Purcell† Rauf Erkiletlioglu* Minh Nguyen*	ECE Labs.io Electrical Engineering Technology Circuit Board
Li, Junfei	Poster #1400 presented 4/09 @ 12:00-1:00pm	Saleh Alaayed†	Statistic Analysis Dashboard
Li, Junfei	Poster #1509 presented 4/09 @ 12:00-1:00pm	Harrison Smith†	ECE Labs.io
Li, Linlin	Poster #1669 presented 4/09 @ 1:30-2:30pm	Lionel Loo†	Quantitative Analysis of 3D Nuclei Segmentation Data in Whole Mount Zebrafish Embryos
Li, Qingchun	Poster #1030 presented 4/09 @ 9:00-10:00am	Tanvi Dhawade†	Analyzing Spatial-Temporal Dynamics of the Hearing-Impaired Population to guide Sustainable Urban Development
Li, Tian	Talk #7034 presented 4/11 @ 12:40pm	Simone Moulton†	Upcycling Biomass to Sustainable Aviation Fuel via Far-Equilibrium Electrification
Li, Tianyi	Poster #1672 presented 4/09 @ 1:30-2:30pm	Luke Matheny†	The Hardy Strong Foundation Mobile Application
Li, Yin	Poster #1321 presented 4/09 @ 10:30-11:30am	Christopher Tan†	AdaptPoint: Adaptive 3D Object Detection System for Embedded GPUs
Li, Ying	Poster #1258 presented 4/09 @ 10:30-11:30am	Kayla Grennes†	Epigenetic Modification of Genes Involved in the Phenylpropanoid Pathway to Alter Metabolic Outputs in Petunia Flowers
Liao, Chao-Jan	Poster #1202 presented 4/09 @ 10:30-11:30am	Maggie Anderson†	Shielding Tomatoes from Pathogen Assault: Deciphering the Mysteries of the Detoxification Gene
Lieng, Nathan	Poster #1289 presented 4/09 @ 10:30-11:30am	Audrey Middaugh†	The Role of Parent-Child Relationship Quality on the Association between Racial-Ethnic Socialization and Youth Well-being in Transracial Adoptees

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Mentor Name	Presentation	Students	Title
Lim, Trevor	Poster #1634 presented 4/09 @ 1:30-2:30pm	Athanasios Flessas† Carson Rockwell† Bailey Williams† Hayley Wong-Liong†	Determination of Threshold for Salmonella Growth to Allow Enumeration of Samples After Transportation
Lindemann, Steve	Poster #1037 presented 4/09 @ 9:00-10:00am	Youssef Errihani†	Utilizing Wheat-Bran Derived Phenolics to Optimize Human Gut Microbiome
Lindemann, Steve	Poster #1719 presented 4/09 @ 1:30-2:30pm	Lauren Urban†	Associations Between Diet Quality and Behavioral Outcomes in Children with Angelman Syndrome
Lindemann, Steve	Talk #7022 presented 4/11 @ 11:40am	Carina Crisan†	Differences in Gut Microbial Patterns between Individuals with Angelman Syndrome and their First-Degree Relatives.
Linett, Maren	Talk #8010 presented 4/11 @ 1:20pm	Emmy Gottsman†	Eugenics and Transhumanism in 20th and 21st Century Literature
Linnes, Jacqueline	Poster #1065 presented 4/09 @ 9:00-10:00am	Ishita Katak†	User perspectives to inform the development of a rapid test for early detection of HIV.
Linnes, Jacqueline	Poster #1439 presented 4/09 @ 12:00-1:00pm	Francesca Hamachert†	A Point-of-Care Rapid Diagnostic Test for Cervical Cancer Screening
Linnes, Jacqueline	Poster #1614 presented 4/09 @ 1:30-2:30pm	Samantha Campbell†	Hydrogel Microneedle Patch for Small Molecule Uptake
Lipton, Mark	Poster #1243 presented 4/09 @ 10:30-11:30am	Madison Flowers†	Evaluating the Effect of Placement of a Photolabile Backbone Amide Linker on the Yield of a Cyclic Pentapeptide
Little, Annika	Talk #7048 presented 4/11 @ 1:20pm	Daria Tsoneva†	Diagnostic gas-phase ion-molecule reactions for the identification of hydroxy-substituted N-nitrosamines in tandem mass spectrometry
Liu, Julie	Talk #7063 presented 4/11 @ 3:00pm	Crystal Jiang†	High-throughput platform for macromolecular transport screening
Liu, Xiaoyu	Poster #1124 presented 4/09 @ 9:00-10:00am	Krish Thakkar† Taylor Vicente†	Bayesian Optimization for Resilient Space Habitat Design in Limited Simulation Environments
Liu, Xiaoyu	Poster #1223 presented 4/09 @ 10:30-11:30am	Meredith Clark† Benjamin Krugman†	Advancing Space Habitat Safety: A Simulation-based Analysis of Safety Control Strategies
Liu, Xiaoyu	Talk #7076 presented 4/11 @ 4:20pm	Davi Carvalho† Chirag Pimpale†	Demonstrating Space Planning Possibilities using Trend and Outlier Analysis of International Space Station Data
Long, Jiaxin	Poster #1317 presented 4/09 @ 10:30-11:30am	Shelby Sliger†	The role of the histone variant protein H2A.Z in H3K27me3 homeostasis in Arabidopsis thaliana
Long, Jiaxin	Poster #1654 presented 4/09 @ 1:30-2:30pm	Joshua Kaluft†	Contribution of PICKLE-related ATP-dependent Remodelers to Chromatin Assembly
Lopez, Alfred	Poster #1109 presented 4/09 @ 9:00-10:00am	Harini Ravichandran†	Maternal Mortality Rates in the United States: Exploring the Determinants and Implications
Lopez, Jonathan	Talk #7060 presented 4/11 @ 2:40pm	Ethan Guardado†	How skin color modulates behavioral fever in Northern leopard frogs

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Mentor Name	Presentation	Students	Title
Lottes, Aaron	Poster #1426 presented 4/09 @ 12:00-1:00pm	Elizaveta Filippova† Seth Grabert† Isabelle Baggio‡ Christopher Miotto‡ Brandon Mar‡	Wearable Voice Amplifying Accessibility Device for Parkinson's Patients Affected by Speech Impairment
Lottes, Aaron	Poster #1662 presented 4/09 @ 1:30-2:30pm	Elena Lehnert† Julie Kim† Dalton Aaker‡ Twinkal Barai‡ Khushi Choksi‡ Shreya Krishnan‡ Simran Nadig‡ Akarsh Ojha‡ Abigail Origer‡ Jean Paul Pertuit‡ Sage Turner‡ Ethan Weiss‡ Sugru Yahaya‡	Gamification of Pediatric Rehabilitation Exercise
Lottes, Aaron	Poster #1679 presented 4/09 @ 1:30-2:30pm	Uday Mittal† Juliana Asencion† Luke Johnson† Matthew Schaller†	3D-Printed Biomechanical Device to Prevent Finger Injuries in Soccer
Lottes, Aaron	Virtual #9007 presented 4/09-4/16 virtually	Ava Flynn† Moeyad Omer† Zion Hackett† Grant Congdon† Mia Wilhite† Divya Manvikar† Myra Khare†	Ulcer Prevention Sensor Pad
Love, David	Poster #1712 presented 4/09 @ 1:30-2:30pm	Daanish Suhail† Kshitij Shah† Jack Willard† Troy Maddent† Pryce Tharp†	Beyond5G
Low, Philip	Poster #1609 presented 4/09 @ 1:30-2:30pm	Emma Benefiel† Jeanelle Castro†	Continued Progress Towards the Development of Targeted Therapies for Multiple Myeloma
Low-Nam, Shalini	Poster #1129 presented 4/09 @ 9:00-10:00am	Andrew Walke† Emmaleigh Shinno‡	Mechanistic features of Cationic Amphiphilic Polyproline Helix (CAPH) interactions with the biological membranes
Low-Nam, Shalini	Poster #1494 presented 4/09 @ 12:00-1:00pm	Kenneth Rodriguez-Lopez†	Tumor-associated antigen surface density in mechanisms of CAR T cell activation threshold-setting
Low-Nam, Shalini	Talk #7082 presented 4/11 @ 4:40pm	Alex Alonzo†	Cellular Activation is Sensitive to Abundance and Distribution of Rare Lipids
Lu, Chien-Tsung	Poster #1681 presented 4/09 @ 1:30-2:30pm	Kamanda Mosongo†	A Decadal In-depth Analytical Exploration (2012-2022): Holistic Examination of Management Discussion and Analysis (MD&A) Integrating Comprehensive Market Risk Assessment for American, Delta, and United Airlines

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Mentor Name	Presentation	Students	Title
Lu, Yung-Hsiang	Poster #1027 presented 4/09 @ 9:00-10:00am	Vamsi Deeduvanu† Tanvi Dhawade† Alexander Aylward† Nihar Atri† Ron Natarajan† Akshath Raghav Ravikiran† Adrien Qi‡	Reproducible AI Software (RAIS)
Lu, Yung-Hsiang	Poster #1048 presented 4/09 @ 9:00-10:00am	Jaya Hari† Alice Dragnea† Dheepa Hari† Yash Ashtekar† Aryan Srivastava† Nikhil Saxena† Shuangding He† Nikitha Suraj† Geervan Bhattacharjee†	The Exploration of Autonomous Navigation of Unmanned Aerial Vehicles Within a Maze
Lu, Yung-Hsiang	Poster #1064 presented 4/09 @ 9:00-10:00am	Temirlan Karataev† Tim Nadolsky† Calvin Tseng† Caasi Boakye† Shrish Senthilkumar† Ping-Hung Ko† Rixin Chen† Minsoo Oh†	Artificial Intelligence Technology for Future Music Performers "Companion"
Lu, Yung-Hsiang	Poster #1119 presented 4/09 @ 9:00-10:00am	Chiho Song† Vir Toshniwal† Ruby Woudneh† Kareena Patel‡ Haichang Lu‡ Tim Nadolsky‡	Mus2Vid
Lu, Yung-Hsiang	Poster #1476 presented 4/09 @ 12:00-1:00pm	Areej Mirani† Shubham Saluja Kumar Agarwal† Dennis Dai† Leo Chen† Zihao Ye† Vidisha Singhal† Sejal Kumar† Aishwarya Anand‡	Transformer for Video Dehazing
Lu, Yung-Hsiang	Poster #1500 presented 4/09 @ 12:00-1:00pm	Tanishaa Shah† Cheng-Hao (Ryan) Chen* Samantha Sudhoff* Cole Scheidler* Yu-Hsu (Josh) Chang* Sai Meda*	Artificial Intelligence in Music: Robot plays Cello
Lu, Yung-Hsiang	Poster #1606 presented 4/09 @ 1:30-2:30pm	Gurtej Bagga† Shrinand Perumal† Anthony Wang† Brian Qi† Josh Kamphuis*	Artificial Intelligence in Music - Evaluator
Lucas, Jeff	Poster #1279 presented 4/09 @ 10:30-11:30am	Nathaniel Lindsay† Bonnie Cimack* Katie Tooley* Catherine Bell*	Visual exploratory behavior and dominance in European starlings (Sturnus vulgaris)

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Mentor Name	Presentation	Students	Title
Lucas, Jeff	Poster #1326 presented 4/09 @ 10:30-11:30am	Bruce Ward†	Connectivity, Relative Pitch, and Transposition in Carolina Chickadees (<i>Parus carolinensis</i>) of Central Indiana
Lutz, Kurt	Poster #1101 presented 4/09 @ 9:00-10:00am	Emileo Peralta†	The effects of total nitrogen and total phosphorus on amphibian disease
Lyanda-Geller, Olga	Talk #8002 presented 4/11 @ 10:40am	George Francist†	Healing Words: A Comparative Exploration of Physician Writers Across Cultures and Centuries
Lyanda-Geller, Olga	Talk #8004 presented 4/11 @ 11:20am	Pavit Hooda†	Expanding Russian Vocabulary through Acquisition of Rocket Propulsion Technology Terminology
Lyanda-Geller, Olga	Talk #8006 presented 4/11 @ 12:00pm	Elina Gorenstein†	Preserving Your Language: Native Speakers in Another Linguistic Environment
Lyanda-Geller, Olga	Talk #8007 presented 4/11 @ 12:20pm	Emily Gervais†	ANTON CHEKOV'S OBSERVATION OF SUFFERING ON THE ISLAND OF SAKHALIN
Lyanda-Geller, Olga	Talk #8013 presented 4/11 @ 2:20pm	Davyd Revenko†	Analysis of Trends and Contents of Russian and Ukrainian Economic Vocabularies of 1990s - 2010s
Lydon, Patrick	Poster #1646 presented 4/09 @ 1:30-2:30pm	Rachael Herring†	Dune Harbor Park: Reclaiming a Natural Oasis for Our Community
Lyon, Angeline	Poster #1011 presented 4/09 @ 9:00-10:00am	Livia Bogdan†	Investigating the GEF activity of Phospholipase Ce
Lyon, Angeline	Poster #1295 presented 4/09 @ 10:30-11:30am	Kennedy Outlaw†	Structural and Functional Characterization of Phospholipase C β 3
Ma, Alex Ruichao	Talk #7058 presented 4/11 @ 2:00pm	Santiago Lopez† Jonathan Andrade Plascencia*	Benchmarking Quantum Error Correction Codes Against Realistic Error Models for Superconducting Qubits
MacDermid Wadsworth, Shelley	Poster #1247 presented 4/09 @ 10:30-11:30am	Anaelle Gackiere†	Mapping the Terrain of Military Youth Experiences
Machiry, Aravind	Poster #1464 presented 4/09 @ 12:00-1:00pm	Chloe Lin† Samitha Ranasinghe† Rajit Khatri† Vignesh Charapalli†	Securing CI Workflows of Open Source Repositories
Madsen, Emilee	Poster #1614 presented 4/09 @ 1:30-2:30pm	Samantha Campbell†	Hydrogel Microneedle Patch for Small Molecule Uptake
Magana, Alejandra	Talk #7001 presented 4/11 @ 9:40am	Parth Joshi†	Teaching Applied Ethics in the context of Artificial Intelligence to Facilitate Peer Discourse
Mak, Nathan	Poster #1427 presented 4/09 @ 12:00-1:00pm	Claire Fisher† Sophia Horn‡ Hallie Jackson‡ Emma Engel* Olivia Zaragoza*	Characterizing Hemoglobin Expression in <i>Chironomus dilutus</i> Across Larval Development
Mak, Nathan	Poster #1706 presented 4/09 @ 1:30-2:30pm	Jenna Schoonmaker†	Identifying metabolic signatures associated with PFAS exposure and their role in neurotoxicity in the African clawed frog (<i>Xenopus laevis</i>)

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Mentor Name	Presentation	Students	Title
Malcolm, Shandey	Talk #7025 presented 4/11 @ 11:40am	Tanya Pinthapataya†	School Environmental Factors and Substance Use Disparities in Indiana Adolescent
Mannodi Kanakkithodi, Arun	Poster #1009 presented 4/09 @ 9:00-10:00am	Anika Bhoopalam†	Narrow-Bandgap Perovskite Discovery
Manship, Tim	Poster #1271 presented 4/09 @ 10:30-11:30am	Alex Karns†	Slope break burn rate testing of DCPD propellant
Mansson, Jan-Anders	Poster #1207 presented 4/09 @ 10:30-11:30am	Aaron Banks†	Predicting Cycling Drivetrain Performance from Sound: Auto-Encoder Analysis for Predictive Maintenance
Mantel, Samuel	Poster #1290 presented 4/09 @ 10:30-11:30am	Joanna Miller†	How Does Drought Stress Affect Cold Acclimation in <i>Plantago lanceolata</i> ?
Mantzicopoulos, Youli	Poster #1307 presented 4/09 @ 10:30-11:30am	Mia Rodriguez†	Customers' Experiences of Racial Discrimination at Southern Waffle Houses
Mantzicopoulos, Youli	Poster #1325 presented 4/09 @ 10:30-11:30am	Adeline Waltz† Xinmeng Zhou†	Developing a Social Justice-focused Pedagogy Intervention through Poetry for Secondary School Instructors.
Mantzicopoulos, Youli	Poster #1649 presented 4/09 @ 1:30-2:30pm	Elaine Huang†	Enhancing Social-Emotional Learning for English Learning Students: Addressing Challenges and Crafting Solutions
Mantzicopoulos, Youli	Talk #7061 presented 4/11 @ 2:00pm	Teagan Drumm† Lauren Spedale*	Impact of Freedom School At Purdue For Students K-5
Marceau, Kristine	Poster #1093 presented 4/09 @ 9:00-10:00am	Hannah Murawski†	Adolescent schooling experience during the covid-19 pandemic, anxiety, and cortisol levels: the mediating role of media use
Marceau, Kristine	Talk #7045 presented 4/11 @ 1:20pm	Prudence Regacho†	The effects of COVID-19 vaccine on hormone levels in adolescence and disparity between sexes
Marconnet, Amy	Poster #1437 presented 4/09 @ 12:00-1:00pm	Nolan Gronowski†	Surface Curvature Use for the Mitigation of Thermal Grease Pump-Out
Marshall, Curtis	Poster #1446 presented 4/09 @ 12:00-1:00pm	Josh Hyatt† Atharv Bhattar† Aditya Chandra† Ethan Farkas† Evan Cahoon† Joseph Redle† Kabir Malik† Makeda Duey† Niall Moloney† Yashwanth Muppidi†	Development of a Tilt-Rotor VTOL Aircraft for a Payload Drop Mission
Mattoo, Seema	Poster #1077 presented 4/09 @ 9:00-10:00am	Sydney Leohr†	Activation of the Unfolded Protein Response by VceC
Mattoo, Seema	Poster #1704 presented 4/09 @ 1:30-2:30pm	Rahul Saproot† Rohan Aryan†	Does the C-terminus of Bordetella's Fic protein influence GMPylation-mediated signal transduction?

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Mentor Name	Presentation	Students	Title
Maybee, Clarence	Poster #1630 presented 4/09 @ 1:30-2:30pm	Nancy Dooley† Grace Vavra† Quinn Loughran† Abigail Finney* Noelia Alvarez* Maggie Collins*	Student Perceptions of the Relationship Between Social Media Algorithms and Democratic Participation
McCormick, Carolyn	Poster #1318 presented 4/09 @ 10:30-11:30am	Katherine Stockhausen†	Visual sampling patterns in a naturalistic setting for toddlers with autism
McIntosh, MacKenzie	Poster #1014 presented 4/09 @ 9:00-10:00am	Lindsay Brncick† Boxi Gong‡ Julia Flowers‡	Bacteria-based M1-like macrophage infiltration and CD8+ T cell activation in immunologically cold tumors treated with tumor-trophic Salmonella Typhimurium expressing anticancer proteins.
McKenzie, Steven	Poster #1462 presented 4/09 @ 12:00-1:00pm	Sarah Larsen†	Characterization of a transplastomic Photosystem II phosphosite mutant in <i>Nicotiana tabacum</i>
McNally Keehn, Rebecca	Talk #7023 presented 4/11 @ 11:00am	Aaliyah Saunders† Sarah Langdon‡	Racial and Ethnic Disparities in Service Referral and Use Among High-Risk Children Diagnosed with Autism Spectrum Disorder
Meeks, Adalyn	Talk #7064 presented 4/11 @ 3:20pm	Sarah Grev†	An in vivo assessment of cardiac remodeling during chronic hypertension in pregnancy
Melican, Logan	Poster #1074 presented 4/09 @ 9:00-10:00am	Sangjin Lee† Andrew Liu‡ Benjamin Miller‡ Ansh Gangapurkar‡ Hyun (Eric) Kang‡ Rahul Menon‡	Enhancing Conduction Band Analysis with Leveraging Eigenvectors and Mode Space for Efficient Matrix Operations in Coming Machine Learning
Melican, Logan	Poster #1251 presented 4/09 @ 10:30-11:30am	Ansh Gangapurkar† Sangjin Lee* Andrew Liu* Rahul Menon* Hyun (Eric) Kang*	Machine learning support for semiconductor nanodevice design
Melican, Logan	Poster #1666 presented 4/09 @ 1:30-2:30pm	Andrew Liu† Ansh Gangapurkar* Ben Miller* Eric Kang* Rahul Menon* Sangjin Lee*	Machine Learning for Mode Space Basis Generation
Melican, Logan	Virtual #9012 presented 4/09-4/16 virtually	Hyun (Eric) Kang†	Machine Learning Support for Semiconductor Nanodevice Design Research
Melican, Logan	Virtual #9018 presented 4/09-4/16 virtually	Rahul Menon† Benjamin Miller† Andrew Liu† Sangjin Lee† Ansh Gangapurkar† Hyun (Eric) Kang†	Machine Learning Support for Semiconductor Nanodevice Design Project
Mengiste, Tesfaye	Poster #1202 presented 4/09 @ 10:30-11:30am	Maggie Anderson†	Shielding Tomatoes from Pathogen Assault: Deciphering the Mysteries of the Detoxification Gene

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Mentor Name	Presentation	Students	Title
Menon, Vinay	Poster #1129 presented 4/09 @ 9:00-10:00am	Andrew Walket† Emmaleigh Shinno‡	Mechanistic features of Cationic Amphiphilic Polyproline Helix (CAPH) interactions with the biological membranes
Menon, Vinay	Talk #7082 presented 4/11 @ 4:40pm	Alex Alonzot†	Cellular Activation is Sensitive to Abundance and Distribution of Rare Lipids
Meszaros, Nick	Poster #1528 presented 4/09 @ 12:00-1:00pm	Cayden Woolery†	Using Crystal Sizes in Volcanic Rocks from the Deccan Traps Large Igneous Province to Determine Lava Cooling Rates
Met Hoxha, Erisa	Poster #1015 presented 4/09 @ 9:00-10:00am	Jaden Brooks†	Weak Shock Exposure Is Behaviorally Different From Extinction In Reducing Stress-Enhanced Fear
Meyer, Alexandra	Poster #1212 presented 4/09 @ 10:30-11:30am	Meghan Brown†	Water vapor stable isotope interactions with common air sampling tubing materials
Meyer, Terry	Poster #1478 presented 4/09 @ 12:00-1:00pm	Karina Morart†	Liquid Fuel Dynamics in a Rotating Detonation Engine Using Planer Laser-induced Fluorescence and Chemiluminescence
Meyer, Terry	Poster #1510 presented 4/09 @ 12:00-1:00pm	Parker Smith†	Innovative Solutions for Cleaner Air Travel: Ammonia as an Alternative Jet Fuel
Meyer, Terry	Poster #1610 presented 4/09 @ 1:30-2:30pm	Daniel Berggren†	Literature Review of Rotating Detonation Engine (RDE) Diagnostics Methods
Meyers, Brett	Poster #1057 presented 4/09 @ 9:00-10:00am	Lourdes Ignacio† Selina Lin† Shreeya Ettireddy†	Automated Identification Method of Tissue Layer Boundary Lines in Images
Meyers, Brett	Poster #1079 presented 4/09 @ 9:00-10:00am	Brianna Lewis† Alexis Hawkins† Claire Maurer†	Validation of a Theoretical Model for Optimized Autoinjector Parameters Through Rapid Testing
Meyers, Brett	Talk #7031 presented 4/11 @ 12:40pm	Anika Mathur† Sohum Thadani†	Convolutional Neural Networks for Enhanced Subvisible Particle Analysis
Meza, Jesus	Poster #1661 presented 4/09 @ 1:30-2:30pm	Yahor Lechanka† Matt Wheeler† Mason Whittington† Rohan Iyer† Angus Wai† Aubrey Gatewood†	FEMTA Suborbital Flight Experiment

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Mentor Name	Presentation	Students	Title
Miao, Zichen	Poster #1447 presented 4/09 @ 12:00-1:00pm	Vinay Jagant† Colby Actont† Gaetano Iannotta‡ YiRuei Weng‡ Shreyas Khot‡ Aditi Anand‡ Nathan Huang‡ Annapoorna Prabhu‡ Ruth Sugiarto‡ Vihaan Chinthakindi‡ Rahul Siddharth‡ Wei-Cheng Lee‡ Yuren Chen‡ Saisravani Kuchibhotla‡ Pranav Konda‡ Jiefu	Research Infrastructures for Vision-Based Autonomous UAVs
Michalec, Maxwell	Virtual #9006 presented 4/09-4/16 virtually	Jaehong Choit† Rohan Joshit† Wen-Bo Hung† Yunlin Zhang†	JTAG for AFTx08 Digital Design
Michalec, Maxwell	Virtual #9020 presented 4/09-4/16 virtually	Sammie Okodaso† Olusegun Ogunwemimo†	GPIO Verification
Michalski, Greg	Poster #1713 presented 4/09 @ 1:30-2:30pm	Trisha Suresht† Paul Michael Vasquez* Joshua Fan*	Computer Simulations of Air Quality
Michalski, Greg	Virtual #9031 presented 4/09-4/16 virtually	Paul Michael Vasquez† Trisha Suresht† Joshua Fan‡	Computer Simulations of Air Quality
Milislavljevic, Danny	Poster #1021 presented 4/09 @ 9:00-10:00am	Briana Chen† Ashley Ortiz†	Background Star Subtraction for Supernovae Remnant N132D
Milislavljevic, Danny	Poster #1041 presented 4/09 @ 9:00-10:00am	Roy Galazka† Raymond Glowner† Devyani Tyagit† Tiancheng Zhang†	Developing a new filter in ANTARES to identify scientifically distinct supernovae
Milislavljevic, Danny	Poster #1453 presented 4/09 @ 12:00-1:00pm	Akshith Karrit† Phoebe Zhou‡ Cade Rigg‡	Maximizing The Vera Rubin Observatory's Science Gain through Cross-Survey Collaboration
Milislavljevic, Danny	Talk #7018 presented 4/11 @ 10:20am	Braden Garretson†	Rapid Inference and Theoretically Driven Forecasting of Supernovae using Amortized Posterior Inference
Min, Byung-Cheol	Poster #1320 presented 4/09 @ 10:30-11:30am	Dayoon Suht†	Activity-based Behavioral Cooking Proficiency Estimation with Graph Neural Networks and Transformer
Min, Byung-Cheol	Poster #1641 presented 4/09 @ 1:30-2:30pm	Arjun Gupte†	Self-Evolutionary Large Language Models for Team Design and Task Allocation in Multi-Human Multi-Robot Teams
Mina, Hansel	Poster #1052 presented 4/09 @ 9:00-10:00am	Amirah Haweit† Isabela Ramirez Ortiz*	Application of a Combination of Commercially Available Sanitizers in the Post-Harvest Control of Salmonella enterica serovar Typhimurium, E. coli O157:H7, and Listeria monocytogenes on Cantaloupe Rinds.

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Mentor Name	Presentation	Students	Title
Miranda, David Ray	Virtual #9029 presented 4/09-4/16 virtually	Riley Tague† Elaine Huang‡	Family Engagement: Reflecting on the Importance of Building Positive Relationships
Mitra, Harsa	Poster #1466 presented 4/09 @ 12:00-1:00pm	Mauro Lopez-Carrillo† Shlok Kulkarni‡	Magnetic-Bead Based Microrheology for Soft Matter Systems
Mitra, Harsa	Poster #1513 presented 4/09 @ 12:00-1:00pm	Madeline Stevenson† Faith Chapman† Krttika Goelt†	Flow of protein/colloidal solutions through a soft-porous gel matrix
Mize, Trent	Talk #7014 presented 4/11 @ 10:00am	John Targett†	Intersectional Inequalities in Hiring: The Effects of Gender and a Criminal Record
Mkhitarian, Vahagn	Poster #1717 presented 4/09 @ 1:30-2:30pm	Sarthak Tandon† Advay Welling†	Discrete, Tunable Wavefront Engineering using Binary Quadratic Optimization
Mkhitarian, Vahagn	Virtual #9033 presented 4/09-4/16 virtually	Advay Welling† Sarthak Tandon*	Computational Electromagnetics and Green's Function Source Optimization of Variational Quantum Algorithms
Moffat, Laura	Poster #1319 presented 4/09 @ 10:30-11:30am	Kirsten Strout† Jason Cachur* Joshua Harp* Chris Parrett* Reagan Fahey* Olivia Phillips* Ashley Lund* Kellyn Bucceri* Hannah Negash* Anabelle Nelson*	Early Prediction of Cardiac Arrest: Machine Learning Vs. Mews
Moffat, Laura	Poster #1424 presented 4/09 @ 12:00-1:00pm	Mallory Eller†	Integrating Lifestyle Medicine Education, Self-Empowerment, and Behavioral Assessment for Effective Systolic Blood Pressure Management
Moffat, Laura	Poster #1688 presented 4/09 @ 1:30-2:30pm	Elainna Papandrea† Subbi Sathya† Ethan Lin† Elena Warble† Duc Le† Devin Reynolds† Vicky Zheng† Linda Zou† Aneesh Poddutur† Yen Lai*	Reducing Financial Burden: Early Identification of Cardiac Arrest using Machine Learning
Mohallem, Rodrigo	Poster #1707 presented 4/09 @ 1:30-2:30pm	Faith Scott†	Identification of Biomarkers of Aging by Targeted Proteomics
Montrose, Jacob	Poster #1723 presented 4/09 @ 1:30-2:30pm	Samantha Wadas† Caden Cowles† Sinhong Park†	Investigation of Chladni Patterns of Fiber Reinforced Polymer Composite Laminate with Different Fiber Orientation
Montrose, Jacob	Talk #7036 presented 4/11 @ 12:20pm	Matthew Elliott† Ryan Seller† Simon Lin†	Investigation on the Impact of Target Surfaces in Relation to Rotorcraft Fuel Tank Drop Test Certification Processes.
Montsma, Ryan	Poster #1455 presented 4/09 @ 12:00-1:00pm	Dhruv Khatri† Ann Zi Lau†	RISC-V Branch Prediction

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Mentor Name	Presentation	Students	Title
Montsma, Ryan	Poster #1501 presented 4/09 @ 12:00-1:00pm	Neha Sharma† Mir Yim† Rohit Lala† Andrew Lykken†	Development of an Audio Synthesizer Utilizing AFTx07 Microcontroller
Montsma, Ryan	Virtual #9000 presented 4/09-4/16 virtually	Hassan Alalawi† Varun Vaidyanathan† Yue Yin† Derek Chi†	QSPI Implementation for the AFTx07
Montsma, Ryan	Virtual #9006 presented 4/09-4/16 virtually	Jaehong Choi† Rohan Joshi† Wen-Bo Hung† Yunlin Zhang†	JTAG for AFTx08 Digital Design
Montsma, Ryan	Virtual #9021 presented 4/09-4/16 virtually	Ben Owent† Yunhao Lan†	RISC-V 16-bit FPU
Moon, Soomin	Poster #1497 presented 4/09 @ 12:00-1:00pm	Felipe Sandoval† Naren Rachapalli† Ben Eng† Nicholas Helushka† Gokulkrishnan Harikrishnan† Truman Mohr† Nicholas Detwilert† Warat Vijitbenjaronk† Ron Bejerano†	Toward 3D General-Purpose Computational Quantum Electromagnetics Modeling
Moore, J. Peter	Poster #1122 presented 4/09 @ 9:00-10:00am	Emma Summers†	The Social Life of Letters: Growing the Print Bay
Moreno, David	Poster #1674 presented 4/09 @ 1:30-2:30pm	Liam McCormack† Eveyn McCarthy‡	3D Printed Flexible Tactile Sensor for Rehabilitation
Moriarty, Noah	Poster #1095 presented 4/09 @ 9:00-10:00am	Andrew Nelson† Noor Owayni†	Development of Neocarzinil A Derivatives as Antimetastasis Agents Targeting VAT1
Morrison, Rachel	Talk #7077 presented 4/11 @ 4:40pm	Joshua Sexton†	Engineered Collagen Polymeric Materials Maintain Tissue Volume and Support Regenerative Remodeling after Volumetric Muscle Loss
Morton, Jennifer	Poster #1624 presented 4/09 @ 1:30-2:30pm	Sydney Clifford†	Unraveling the Mechanism for Decreased Mouse Survival in a Novel Pancreatic Cancer Model with PP2A-B56a Activation
Moser, Madeline	Poster #1013 presented 4/09 @ 9:00-10:00am	Emily L Bond†	Parent-Child Communication Regarding Substance Use in Latino/a Youth
Moser, Madeline	Poster #1449 presented 4/09 @ 12:00-1:00pm	Mahee Jain†	Positives Amidst the Challenges: Perspectives from Adolescents in Families Experiencing Homelessness and Housing Instability
Moser, Madeline	Poster #1615 presented 4/09 @ 1:30-2:30pm	Carmela Campbell†	Intra- and Interpersonal Factors that Contribute to the Delay of Sexual Debut Among Rural Latino/a Adolescents
Moser, Madeline	Poster #1651 presented 4/09 @ 1:30-2:30pm	Paige Ittig†	Domains of Connectedness that Impact Latino/a Youths' Perceptions of Health

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Mentor Name	Presentation	Students	Title
Mountford, Thomas	Talk #7069 presented 4/11 @ 3:00pm	Xiaoyu Liu†	Scaling limit of asymptotically-free self-interacting random walks to Brownian Motion perturbed at Extrema
Mu, Fangzhou	Poster #1321 presented 4/09 @ 10:30-11:30am	Christopher Tan†	AdaptPoint: Adaptive 3D Object Detection System for Embedded GPUs
Mukherjee, Indranil	Poster #1132 presented 4/09 @ 9:00-10:00am	Gwyneth Wong†	Investigating the Role of Novel Type V-A Anti-CRISPR in Inhibiting CRISPR-Cas12a Bacterial Immune System
Mulia, Grace	Poster #1635 presented 4/09 @ 1:30-2:30pm	Viviana Galindo†	Exploration of IL-27 Gene Therapy in Treatment for Acute Respiratory Distress Syndrome
Mulim, Henrique	Poster #1691 presented 4/09 @ 1:30-2:30pm	Marcos Daniel Pastrana†	Genomic Insights into the Breed Composition of Purdue Beef Cattle
Mulim, Henrique	Talk #7052 presented 4/11 @ 1:40pm	Hsin-Yu (Sinyu) Hou†	Estimation of Genetic Parameters for Twinning Rate in Holstein Cattle
Mulrow, John	Poster #1076 presented 4/09 @ 9:00-10:00am	Sarah LeFever†	Critical assessment of corporate sustainability indexing methods
Mulrow, John	Poster #1277 presented 4/09 @ 10:30-11:30am	Seungho Lee†	The Energy Transition
Murawski, Matt	Poster #1443 presented 4/09 @ 12:00-1:00pm	Mia Herzog†	Use of a Survey-Based Application in Identifying Adverse Drug Reactions in the Community Setting
Murray-Kolb, Laura	Poster #1304 presented 4/09 @ 10:30-11:30am	Emily Ren†	Prevalence of and Factors Associated with Non-Iron Deficiency Anemia in Women of Reproductive Age in Urban, Rural, and Tribal Areas of Select Districts of Madhya Pradesh, India
Nagaraju, Vidya	Talk #7053 presented 4/11 @ 2:00pm	Tovia Owens†	Mechanosynthesis of Urea-Gypsum Cocrystals
Nagrani, Pranay	Poster #1437 presented 4/09 @ 12:00-1:00pm	Nolan Gronowski†	Surface Curvature Use for the Mitigation of Thermal Grease Pump-Out
Nallathambi, Anusuya	Poster #1619 presented 4/09 @ 1:30-2:30pm	Sooraj Chetput† Johnathan Hong† Alex Chitsazzadeh† FangLing (Victor) Zhang† Khoi Pham† Zengxiang (Tim) Han† Justin Cambridge† Htet Yan† Spencer Bowles‡	XOR: SIMT-Scalar architecture for Control Flow Divergence
Nanda, Gaurav	Poster #1613 presented 4/09 @ 1:30-2:30pm	Adrian Calderon†	Headphones and Colleges Students: Factors which Increase Consumer Preference for Sustainable Products
Nanos, Alexandros	Poster #1436 presented 4/09 @ 12:00-1:00pm	Anna Grobengiesert†	Neocortical Mapping in Developing Long-Evans Rats
Narvaez, Diana	Poster #1674 presented 4/09 @ 1:30-2:30pm	Liam McCormack† Eveyn McCarthy‡	3D Printed Flexible Tactile Sensor for Rehabilitation

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Mentor Name	Presentation	Students	Title
Narváez-Dávila, Keyshla	Poster #1634 presented 4/09 @ 1:30-2:30pm	Athanasios Flessas† Carson Rockwell† Bailey Williams† Hayley Wong-Liong†	Determination of Threshold for Salmonella Growth to Allow Enumeration of Samples After Transportation
Nelson, Cole	Poster #1042 presented 4/09 @ 9:00-10:00am	Rohan Gangaraju† Pranav Srisankar† Sean Greenley†	Implementation of Hardware Multithreading on RISC-V Microcontroller
Nelson, Cole	Poster #1315 presented 4/09 @ 10:30-11:30am	Yashashwini Singh† Leo Malachowski† Tushar Singh† Alex Tauriainen† Michael Lee† Arjun Sideryst† Duc Pham† Eduard Tanaset† Khanh Nguyen† Justin Sanchez† Venya Bhardwaj‡ Geetika Chitturi‡	Intro to SoCET
Nelson, Cole	Poster #1455 presented 4/09 @ 12:00-1:00pm	Dhruv Khatri† Ann Zi Lau†	RISC-V Branch Prediction
Nelson, Cole	Poster #1472 presented 4/09 @ 12:00-1:00pm	Malcolm McClymont† Burkay Sahin† Devin Singh‡	Heterogenous Multicore for Embedded Applications
Nelson, Cole	Poster #1501 presented 4/09 @ 12:00-1:00pm	Neha Sharma† Mir Yim† Rohit Lala† Andrew Lykken†	Development of an Audio Synthesizer Utilizing AFTx07 Microcontroller
Nelson, Cole	Poster #1508 presented 4/09 @ 12:00-1:00pm	Vidisha Singhal†	DMA Controller with Cache Coherence and Trigger Mechanism
Nelson, Cole	Poster #1677 presented 4/09 @ 1:30-2:30pm	Maxwell Michalec† Fahad Aloufi† Om Gupta†	RISC-V Vector Processor for Embedded Applications
Nelson, Cole	Virtual #9000 presented 4/09-4/16 virtually	Hassan Alalawi† Varun Vaidyanathan† Yue Yin† Derek Chi†	QSPI Implementation for the AFTx07
Nelson, Cole	Virtual #9013 presented 4/09-4/16 virtually	Claire Kim† William Kwon†	Modification of Boot Loader for AFTx07 Chip
Nelson, Cole	Virtual #9015 presented 4/09-4/16 virtually	Garrett Lail† Jonathan Huang* Sudhanva Donakonda*	Performance Modeling for AFTx07 System-on-Chip
Neo, Wei Siong	Poster #1058 presented 4/09 @ 9:00-10:00am	Rachel Isaac† Maria Armenta†	Person, Object, and Coordinated Joint Engagement Profiles in Toddlers with Angelman Syndrome
Newell, Brittany	Poster #1674 presented 4/09 @ 1:30-2:30pm	Liam McCormack† Eveyn McCarthy‡	3D Printed Flexible Tactile Sensor for Rehabilitation
Newell, Brittany	Poster #1720 presented 4/09 @ 1:30-2:30pm	Alex Valdes†	Custom children's powered wheelchair from the off-the-shelf components
Newton, Jill	Poster #1110 presented 4/09 @ 9:00-10:00am	Bronwyn Rigsby†	Elementary Teachers' Mathematics Curricular Reasoning: Connecting Instructional Decisions to Curricular Knowledge, Vision, and Trust

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Mentor Name	Presentation	Students	Title
Nguyen, Alex	Poster #1227 presented 4/09 @ 10:30-11:30am	Aaron Coppeta†	Investigation of hydrogel composition effect on chemical and material properties of a three-dimensional articular cartilage model
Nguyen, Andrew	Poster #1521 presented 4/09 @ 12:00-1:00pm	Steven Turnbull† Lisa Li† Cheyenne Huang† Ananya Prasad† Tatiana Varela† Pranav Singh†	Multifunctional Materials in Aerospace and Applications to Quadcopter Drones
Nieforth, Leanne	Poster #1121 presented 4/09 @ 9:00-10:00am	Sophie Stahl†	Lessons Learned and Recommendations from Practitioners in Equine-Assisted Services Following the Death of an Equine
Nielson, Samuel	Poster #1330 presented 4/09 @ 10:30-11:30am	Madeleine Yee†	Examination of Turbulence Models for Free Jet
Nishio, Yu	Poster #1270 presented 4/09 @ 10:30-11:30am	Dabin Jung†	Structural Investigation of Ulleungmycin A Offloading Mechanism
Noh, Hwiyoan	Poster #1423 presented 4/09 @ 12:00-1:00pm	Alexandra Earle†	The Effect of Counterion Identity on PEDOT-Coated PTFE for Use as Gas Diffusion Electrodes for Electrochemical CO ₂ Conversion
Noinaj, Nicholas	Poster #1694 presented 4/09 @ 1:30-2:30pm	Ashley Phoenix† Austin Lu*	Characterization of proteins from the bacteriophage RiverMonster
Norris, Megan	Poster #1671 presented 4/09 @ 1:30-2:30pm	Gianna Martire† Kris Sass†	Does intergroup contact impact children's relation to outgroups?
Oakley, Christopher	Poster #1290 presented 4/09 @ 10:30-11:30am	Joanna Miller†	How Does Drought Stress Affect Cold Acclimation in <i>Plantago lanceolata</i> ?
Oakley, Christopher	Poster #1475 presented 4/09 @ 12:00-1:00pm	Stephen Mills†	Synergistic Effects of Cold and Competition
Oatman, Shane	Talk #7065 presented 4/11 @ 3:40pm	Camille Jorenby†	Enhancing Solid Propellant Burning Rate Predictions through Machine Learning Modeling
Obuseh, Marian	Poster #1714 presented 4/09 @ 1:30-2:30pm	Maheen Syed†	Machine Learning-based assessment of surgeons' non-technical skills
Ogas, Joe	Poster #1317 presented 4/09 @ 10:30-11:30am	Shelby Sliger†	The role of the histone variant protein H2A.Z in H3K27me ₃ homeostasis in <i>Arabidopsis thaliana</i>
Ogas, Joe	Poster #1654 presented 4/09 @ 1:30-2:30pm	Joshua Kaluff†	Contribution of PICKLE-related ATP-dependent Remodelers to Chromatin Assembly
Ogawa, Sienna	Poster #1274 presented 4/09 @ 10:30-11:30am	Molly Kosiba†	Determining the roles of MLO1 and MLO15 in plant development through the characterization of mutant and overexpressor lines

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Mentor Name	Presentation	Students	Title
Ogg, Jim	Poster #1460 presented 4/09 @ 12:00-1:00pm	Sejal Kumart† Paolo Gumasing† Jaehyuk Lee† Jiaqing Li† Leyton Bostre† Rohan Nachnani† Toby Onyekwere† Rebecca Rupp‡ Aditya Sivathanu‡	Timescale Creator Online
Ogg, Jim	Poster #1607 presented 4/09 @ 1:30-2:30pm	Samyukta Balaji† Ava Fasanot† Aditya Sivathanu‡	Global Lexicon & Treatise: A Window into the Past
Ogundare, Wonders	Poster #1643 presented 4/09 @ 1:30-2:30pm	Emerson Haines† Evy Tobolski‡	Impact of Colostrum Feeding on Mammary Gland Cell Proliferation
Oguri, Ken	Poster #1604 presented 4/09 @ 1:30-2:30pm	Aditya Arjun Anibha†	Autonomous Asteroid Navigation with Optical Images
Oh, Jinwoo	Poster #1310 presented 4/09 @ 10:30-11:30am	Ryan San Juan†	Constructing a Membrane Based Dehumidification System: Gathering Key Components
Olek, Jan	Poster #1135 presented 4/09 @ 9:00-10:00am	Anel Zhussupbekova†	Potential Incompatibilities between Admixtures and Nontraditional and Natural Pozzolans (NNPs) in Cementitious Systems
Olek, Jan	Poster #1451 presented 4/09 @ 12:00-1:00pm	Ali Kalmagambetov†	Effect of Nano-silica Admixtures on Air Void Content of Concrete Used for Bridges
Olivero-Acosta, Maria	Poster #1267 presented 4/09 @ 10:30-11:30am	Seoyeon Hong†	Investigating Glutamate and ATP Dysregulation in cortical neurons carrying the SCN2A epilepsy associated variant L1242P: Implications for Neuronal Hyperexcitability
Olivero-Acosta, Maria	Poster #1331 presented 4/09 @ 10:30-11:30am	Benjamin Zirkle†	Quantification of Sodium Flux in the Hyperexcitable Nav1.2-L1342P Mutation via Single-Channel Voltage Gated Patch-Clamp Electrophysiology in HEK293 cells.
Olivero-Acosta, Maria	Talk #7057 presented 4/11 @ 2:20pm	Hope Harlow†	Examining Neuron Density in human-derived Cortical Organoids Carrying Epilepsy-Related SCN2A Mutation L1342P
Onbasi, Salim	Poster #1123 presented 4/09 @ 9:00-10:00am	Eva Taylor† Ashlita Lodha‡ Mark Naguib‡ Isabella Wilson‡	The Effect of Collaboration on Exercise-Induced Change in Cognitive Performance
Ordenez, Sandra	Poster #1656 presented 4/09 @ 1:30-2:30pm	Sam King† Gabby Conjelko‡	Developing a Selective Irreversible Peptidic Inhibitor for CBX2
Ostafe, Raluca	Poster #1233 presented 4/09 @ 10:30-11:30am	Aryaman Dewan†	Expanding Therapeutic Potential: Engineered IL-27 Variants with Prolonged Half-Life for Enhanced Anti-Tumor Efficacy
Ostafe, Raluca	Poster #1428 presented 4/09 @ 12:00-1:00pm	Delilah Flora† Gangmin Kim‡	Design and Evaluation of an IZUMO1-Based Contraceptive Vaccine for Wildlife

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Mentor Name	Presentation	Students	Title
Ostafe, Raluca	Poster #1487 presented 4/09 @ 12:00-1:00pm	Amanda Pawlecki† Aryaman Dewan*	PASylation as a promising protein modification to prolong Interleukin 27 (IL-27) half-life
Ostafe, Raluca	Talk #7056 presented 4/11 @ 2:00pm	Gangmin Kim† Delilah Flora‡	Development and evaluation of a ferritin-Izumo1 protein vaccine for immunocontraception of wildlife.
Ostaneck, Jason	Poster #1527 presented 4/09 @ 12:00-1:00pm	Mark Wise† Akshay Padmanabhuni‡ Lance Berendes‡	Heat Sink Design for Metal Additive Manufacturing
Otarola-Castillo, Erik	Poster #1117 presented 4/09 @ 9:00-10:00am	William Shumway† Zachary Ryan*	The emergence of Fire for Cooking in Human Evolution
Otarola-Castillo, Erik	Poster #1702 presented 4/09 @ 1:30-2:30pm	Zachary Ryan† William Shumway*	Who Shot the Mastodon?
Outzen, Claney	Poster #1481 presented 4/09 @ 12:00-1:00pm	Emma Niecikowski†	Vocabulary Acquisition in Children in Relation to Distress from the COVID-19 Pandemic
Pan, Liang	Poster #1113 presented 4/09 @ 9:00-10:00am	Jonathan Ryan†	2D Topology Optimization with Genetic Algorithms
Panigrahi, Suranjan	Talk #7037 presented 4/11 @ 12:40pm	Stephane Duval† Parikshit Sah†	Acoustic-based sensing for detection of potato tuber
Panjwani, Anita	Poster #1719 presented 4/09 @ 1:30-2:30pm	Lauren Urban†	Associations Between Diet Quality and Behavioral Outcomes in Children with Angelman Syndrome
Panjwani, Anita	Talk #7022 presented 4/11 @ 11:40am	Carina Crisan†	Differences in Gut Microbial Patterns between Individuals with Angelman Syndrome and their First-Degree Relatives.
Parasnis, Rohit	Poster #1297 presented 4/09 @ 10:30-11:30am	Adam Piaseczny†	The Impact of Adversarial Node Placement in Decentralized Federated Learning Networks
Park, Jae Hong	Poster #1693 presented 4/09 @ 1:30-2:30pm	Nicholas Pecoraro† Shane Limas†	Development of a lab-scale welding fume test system for occupational health and toxicological research
Park, Jae Hong	Talk #7024 presented 4/11 @ 11:20am	Anthony Bovenschen†	Evaluation of the Collection Efficiency of the Size-Selective Inlet Used for the Lab-Made Bioaerosol Sampler
Park, Min Sook	Poster #1005 presented 4/09 @ 9:00-10:00am	Ella Barnes† Emily Klaiber‡	Current State of parental HPV Vaccine Hesitancy: An Integrative Review
Park, Min Sook	Poster #1080 presented 4/09 @ 9:00-10:00am	Selina Lin† Chris Farber* Neel Sarathy*	Emotions Surrounding Human Papillomavirus Vaccination Discussion on Reddit
Park, Min Sook	Poster #1239 presented 4/09 @ 10:30-11:30am	Chris Farber† Neel Sarathy‡ Selina Lin‡	Analysis of Online HPV Vaccine Hesitancy
Parkinson, Betsy	Poster #1095 presented 4/09 @ 9:00-10:00am	Andrew Nelson† Noor Owayni†	Development of Neocarzinil A Derivatives as Antimetastasis Agents Targeting VAT1
Parkinson, Betsy	Poster #1270 presented 4/09 @ 10:30-11:30am	Dabin Jung†	Structural Investigation of Ulleungmycin A Offloading Mechanism

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Mentor Name	Presentation	Students	Title
Parkinson, Betsy	Poster #1333 presented 4/09 @ 10:30-11:30am	Caroline Zu†	Chemical synthesis of building blocks to access γ -Butyrolactones from <i>Streptomyces</i> species
Parrish, Lynn	Poster #1109 presented 4/09 @ 9:00-10:00am	Harini Ravichandran†	Maternal Mortality Rates in the United States: Exploring the Determinants and Implications
Paschou, Peristera	Poster #1721 presented 4/09 @ 1:30-2:30pm	Theoni Vlachos† Sophia Vlachos†	Pathway-based PRS PheWAS Analysis of Bipolar Disorder and Major Depressive Disorder.
Pascuzzi, Pete	Poster #1639 presented 4/09 @ 1:30-2:30pm	Greenley Goedde†	"Mapping Research Impact: Insights from Bibliometric Analysis of Academic Libraries' Publishing Trends"
Pasternak, Alex	Poster #1203 presented 4/09 @ 10:30-11:30am	Lillian Andist†	Ontogeny and Cell Proliferation in the Porcine Fetal Intestine
Pasternak, Alex	Poster #1204 presented 4/09 @ 10:30-11:30am	Megan Ashby†	Structural Adaptation of the Porcine Placental from Mid to Late Gestation
Patel, Neal	Poster #1662 presented 4/09 @ 1:30-2:30pm	Elena Lehner† Julie Kim† Dalton Aaker‡ Twinkal Barai‡ Khushi Choksi‡ Shreya Krishnan‡ Simran Nadig‡ Akarsh Ojha‡ Abigail Origer‡ Jean Paul Pertuit‡ Sage Turner‡ Ethan Weiss‡ Sugru Yahaya‡	Gamification of Pediatric Rehabilitation Exercise
Patel, Neal	Poster #1679 presented 4/09 @ 1:30-2:30pm	Uday Mittal† Juliana Asencion† Luke Johnson† Matthew Schaller†	3D-Printed Biomechanical Device to Prevent Finger Injuries in Soccer
Patel, Rishi	Poster #1270 presented 4/09 @ 10:30-11:30am	Dabin Jung†	Structural Investigation of Ulleungmycin A Offloading Mechanism
Patrick, Ryan	Poster #1258 presented 4/09 @ 10:30-11:30am	Kayla Grennes†	Epigenetic Modification of Genes Involved in the Phenylpropanoid Pathway to Alter Metabolic Outputs in <i>Petunia</i> Flowers
Paxton, Angela	Talk #7023 presented 4/11 @ 11:00am	Aaliyah Saunders† Sarah Langdon‡	Racial and Ethnic Disparities in Service Referral and Use Among High-Risk Children Diagnosed with Autism Spectrum Disorder
Peng, Chunyi	Virtual #9032 presented 4/09-4/16 virtually	Enze Wang†	Watch Our Your Phone Calls: Inference Attacks Over Encrypted 5G Calls
Percevault, Erin	Poster #1062 presented 4/09 @ 9:00-10:00am	Elisabeth Justice†	Revitalizing Fort Wayne's Riverfront: A Nature-Based Approach
Percevault, Erin	Poster #1731 presented 4/09 @ 1:30-2:30pm	Yahan You†	Downstream Solutions: Tackling Nutrient Pollution in the White River Basin

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Mentor Name	Presentation	Students	Title
Perdue, Gabriel	Talk #7058 presented 4/11 @ 2:00pm	Santiago Lopez† Jonathan Andrade Plascencia*	Benchmarking Quantum Error Correction Codes Against Realistic Error Models for Superconducting Qubits
Permenter, Secret	Poster #1630 presented 4/09 @ 1:30-2:30pm	Nancy Dooley† Grace Vavra† Quinn Loughran† Abigail Finney* Noelia Alvarez* Maggie Collins*	Student Perceptions of the Relationship Between Social Media Algorithms and Democratic Participation
Peter, Lynda	Virtual #9011 presented 4/09-4/16 virtually	Renee Hallstein†	PFAS Fate and Transport in a Field Study with land applied biosolids
Peterson, John	Poster #1017 presented 4/09 @ 9:00-10:00am	Lorenzo Cacciapuoti†	Decentralized Wireless Microchip Array For Large-Scale Neural Spike Recording
Peterson, John	Poster #1456 presented 4/09 @ 12:00-1:00pm	Seeun Kim†	Resistor to Resistor Digital to Analog Converter (R2R DAC)
Peterson, Jonathon	Talk #7069 presented 4/11 @ 3:00pm	Xiaoyu Liu†	Scaling limit of asymptotically-free self-interacting random walks to Brownian Motion perturbed at Extrema
Petrov, Dino	Talk #7079 presented 4/11 @ 4:20pm	Elizabeth Andersent† Karthik Arcot‡ Sophie Zhou‡	Systematic Development and Optimization of Helix Stabilized Stapled Peptides for Inhibitory Use Against the Viral Oncoprotein, HPV- E6
Pfeffer, Claire	Poster #1624 presented 4/09 @ 1:30-2:30pm	Sydney Clifford†	Unraveling the Mechanism for Decreased Mouse Survival in a Novel Pancreatic Cancer Model with PP2A- B56a Activation
Pieper, Sarah	Poster #1254 presented 4/09 @ 10:30-11:30am	Grace Gilbert† Trina Tagamolila‡ Sarah Ramsey‡	Examining neurophysiological responses to emotionally salient stimuli in children with ADHD
Pike, Hannah	Poster #1242 presented 4/09 @ 10:30-11:30am	Mason Fleming†	Modelling Transistors in a Simulated Radiation Environment
Pikes, Tyler	Poster #1038 presented 4/09 @ 9:00-10:00am	Elizabeth Christine Farrell†	MicroRNA-31 Regulates Neutrophil Migration and Activation
Pinto, Jude	Poster #1315 presented 4/09 @ 10:30-11:30am	Yashashwini Singh† Leo Malachowski† Tushar Singh† Alex Tauriainen† Michael Lee† Arjun Sideryst† Duc Pham† Eduard Tanaset† Khanh Nguyen† Justin Sanchez† Venya Bhardwaj‡ Geetika Chitturi‡	Intro to SoCET
Pinto, Jude	Poster #1412 presented 4/09 @ 12:00-1:00pm	Praneel Bhandari† Akhilesh Prasad†	UVM Verification for APB-AHB Bridge Design
Pinto, Jude	Poster #1416 presented 4/09 @ 12:00-1:00pm	Siddarth Calidas† Jerry Chen† Yilin Xu†	SoC Verification: Verifying Behavior of On-Chip Modules

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Mentor Name	Presentation	Students	Title
Pinto, Jude	Poster #1622 presented 4/09 @ 1:30-2:30pm	Indrayudh Chowdhury†	UVM-Based Verification of Platform-Level Interrupt Controllers
Pinto, Jude	Virtual #9006 presented 4/09-4/16 virtually	Jaehong Choi† Rohan Joshi† Wen-Bo Hung† Yunlin Zhang†	JTAG for AFTx08 Digital Design
Pinto, Jude	Virtual #9020 presented 4/09-4/16 virtually	Sammie Okodaso† Olusegun Ogunwemimo†	GPIO Verification
Pinto, Jude	Virtual #9025 presented 4/09-4/16 virtually	MD Sadman Rafi† Milen Mundackal Manoj†	Verification for APB Requester
Pitchai, Arjun	Poster #1425 presented 4/09 @ 12:00-1:00pm	Jacob Eyster†	Oral Nicotine Pouches Induce Cellular Toxicity in Human Primary Oral Keratinocytes
Pitts, Yvonne	Poster #1232 presented 4/09 @ 10:30-11:30am	Arianna Dejoie†	Phrenology and Slavery: 19th Century Pseudoscience in the Antebellum South
Pitts, Yvonne	Talk #7067 presented 4/11 @ 3:20pm	August Trepanier†	Constructing Carol: Racial Science, Eugenics, Biological Essentialism, and Carcerality
Pol, Vilas	Poster #1208 presented 4/09 @ 10:30-11:30am	Shawn Belongia†	Hybrid Lithiation Mechanism in Hard Carbon Enables Ultrasafe Semisolid Fire Retarding Electrolyte in Lithium-ion Batteries
Powell-Benton, Annaleigh	Poster #1432 presented 4/09 @ 12:00-1:00pm	Lauren Gartenhaus†	Investigation of VAT1 depletion in angiosarcoma
Prabhakar, Gouri	Poster #1213 presented 4/09 @ 10:30-11:30am	Sydney Brown†	Microplastics in precipitation in the Greater Lafayette area
Prabhakar, Gouri	Poster #1727 presented 4/09 @ 1:30-2:30pm	Austin Willis†	Ambient Particles and how they affect Cloud Formation
Price, Garrett	Poster #1068 presented 4/09 @ 9:00-10:00am	Debora Kim† Elliott Shi†	The Causal Effects of Parental Depression & Familial Arguments on Children Sleep Time
Proctor, Caitlin	Poster #1034 presented 4/09 @ 9:00-10:00am	Gavin Duffy† Ruth Wei‡	Growth of Pathogens During Stagnation in Controlled Copper Plumbing System
Proctor, Caitlin	Poster #1283 presented 4/09 @ 10:30-11:30am	Lillian Maldia†	Drinking Water Quality
Proctor, Caitlin	Poster #1417 presented 4/09 @ 12:00-1:00pm	Daniel Ceglie† Catie Fleming‡	Water Stagnation in Buildings: Biofilm Growth and Best Management Practices for Periodically Empty Buildings
Proctor, Caitlin	Talk #7009 presented 4/11 @ 10:20am	Aanya Doshi†	Factors Affecting the Microbiome of Hydroponics Systems
Proctor, Robert	Poster #1668 presented 4/09 @ 1:30-2:30pm	Hecun Liu†	Effect of AI Benevolence on Humans' Trust and Use of an AI Assistant in a Video Game
Pugia, Steven	Poster #1661 presented 4/09 @ 1:30-2:30pm	Yahor Lechanka† Matt Wheeler† Mason Whittington† Rohan Iyer† Angus Wai† Aubrey Gatewood†	FEMTA Suborbital Flight Experiment
Pulido Cifuentes, Laura	Poster #1214 presented 4/09 @ 10:30-11:30am	Alexa Burke†	Mechanosensing in <i>Aplysia californica</i> neuronal growth cones

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Mentor Name	Presentation	Students	Title
Puls, Theodore	Poster #1252 presented 4/09 @ 10:30-11:30am	Andrew Gangstad† Shaiv Mehra† Tommy Mullin† Joshua Sexton†	Novel Injector Breaks Down Translational Barriers Paving Path for Superior Vocal Fold Medialization Materials
Purpura, David	Poster #1047 presented 4/09 @ 9:00-10:00am	Son Ha† Jonah Nichols† Vinay Gupta† Aaditya Doiphode†	Child Automated Speech-To-Text (CAST): Audio Processing for Child speech transcription
Purpura, David	Poster #1096 presented 4/09 @ 9:00-10:00am	Aarohi Panzade† Akhil Kasturi† Rahul Ghosh†	Implementing Machine Learning in Child Speech Transcription
Purpura, David	Talk #7032 presented 4/11 @ 12:00pm	Akshitha Kartigeyan† Aadya Pawar† Bruna Jasinowodolinski†	Overview of the Child Automated Speech to Text (CAST) Project
Puthiyaveetil, Sujith	Poster #1462 presented 4/09 @ 12:00-1:00pm	Sarah Larsen†	Characterization of a transplastomic Photosystem II phosphosite mutant in <i>Nicotiana tabacum</i>
Qazi, Taimoor	Poster #1025 presented 4/09 @ 9:00-10:00am	Ashton Cotton†	Simulating Granular Materials to Characterize the Effect of Particle Shape on Pore Interconnectivity and Mass Transport
Qiao, Li	Poster #1407 presented 4/09 @ 12:00-1:00pm	Nikolai Baranov†	Performance Optimization and Thermal Management Solutions for a Sustainable Microsized Hydrogen- Powered Turbo-Shaft Engine
Qiu, Qiang	Poster #1447 presented 4/09 @ 12:00-1:00pm	Vinay Jagan† Colby Acton† Gaetano Iannotta‡ YiRuei Weng‡ Shreyas Khot‡ Aditi Anand‡ Nathan Huang‡ Annapoorna Prabhu‡ Ruth Sugiarto‡ Vihaan Chinthakindi‡ Rahul Siddharth‡ Wei-Cheng Lee‡ Yuren Chen‡ Saisravani Kuchibhotla‡ Pranav Konda‡ Jiefu	Research Infrastructures for Vision- Based Autonomous UAVs
Quinn, Adam	Poster #1018 presented 4/09 @ 9:00-10:00am	Alexis Carroll† Aidan Dibble† Ann Marie Uhlmansiek† Amanda Wolf†	Gene Conservation and Comparison Between Host Bacteria <i>Arthrobacter globiformis</i> and Phage MellowYellow
Quinn, Adam	Poster #1028 presented 4/09 @ 9:00-10:00am	Luke DeLion† Alyson Owen† Nicholas Zolnierczuk† Junezuh Ghang‡	Confirming transmembrane protein potentials using algorithm-based prediction models

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Mentor Name	Presentation	Students	Title
Quinn, Adam	Poster #1053 presented 4/09 @ 9:00-10:00am	Zachery Heppner† Drake Strait† Hudson Schneider† Michael Perrin† Derek Temple† Katherine DeMarco†	Analyzing bacteriophage protein structural motifs utilizing a variety of novel software
Quinn, Adam	Poster #1089 presented 4/09 @ 9:00-10:00am	Stan Melkumian† Elizaveta Filippova† Prakhar Saxena† Adam Weber† Ethan Shatz‡ Dean Stornello‡	Developing an Algorithm to Identify Potential Programmed Ribosomal Frameshifts in Arthrobacteriophage Genomes
Quinn, Adam	Poster #1092 presented 4/09 @ 9:00-10:00am	Giovanni Minghetti† Seth Jimenez† Adelaide Bullard† Lillian Woolley†	Analysis on the Efficacy of Auto-Annotators in Bacteriophage Genomes
Quinn, Adam	Poster #1105 presented 4/09 @ 9:00-10:00am	Enos Pray‡ Armand Destin‡ Adalene Stangeland‡ Amy Murdock‡ Anagha Gaitonde‡ Megan Painter‡	Pangenome Exploration of the Genomic Similarities Between AW Cluster Bacteriophages
Quinn, Adam	Poster #1322 presented 4/09 @ 10:30-11:30am	Lauren Thompson† Bradley Shannon† Ryan Houser† Priyanshu Datta Roy†	Investigation of Ribosomal Activity in Novel Bacteriophage, Miss Americana
Quinn, Adam	Poster #1404 presented 4/09 @ 12:00-1:00pm	Abigail Antonishek† Emma Jeffries† Madeline Stevenson† Molly Shean† Faith Wagnert† Emma Kessingert†	Modeling Protein Secondary Structures of Bacteriophage Genes to Predict Function
Quinn, Adam	Poster #1409 presented 4/09 @ 12:00-1:00pm	Isabella Belperio† Irina Zhilinskaya† Laney Shafer† Alexander Higgins†	Reverse, Reverse: An Investigation into the Purpose of Gene Orientation in Phages with Arthrobacter globiformis Host
Quinn, Adam	Poster #1414 presented 4/09 @ 12:00-1:00pm	Taylor Buchowski† Sarah Choi† Anabela Djurovic-Topalovic† Aishwarya Menon† Amalia Rosenthal† Amelia Winkelman†	Investigating the Accuracy of Deep-Learning Models in Gene Identification: A Case Study of MellowYellow Gene 74
Quinn, Adam	Poster #1433 presented 4/09 @ 12:00-1:00pm	Alexandra Gillman† Lucy Ehmann† Carolina Kim† Natalie Haynes† Henrietta Ndubuokwu† Danae Youngstedt‡	Yes, No, Maybe So: A Deep Dive into Possible Dual-Functionality Within MissAmericana Bacteriophage 37402-39051bp Gene
Quinn, Adam	Poster #1514 presented 4/09 @ 12:00-1:00pm	Gianna Stinsa† Kate Stanton† Joyce Yu† Alyssa Hudgins† Jingyi Ji† Morgan Laskowski†	Evaluating the Relationship of an Arthrobacteriophage's gene with Streptococcus Bacterium

Student Role Notation: †Presenting Author, ‡Contributing Author, *Acknowledgement

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Mentor Name	Presentation	Students	Title
Quinn, Adam	Poster #1526 presented 4/09 @ 12:00-1:00pm	Tristen West† Zion Hackett* Lucas Urquiaga* Umbert Creighton Caseres* Dane Phillips* Ryan Lee*	Comparative analysis of bacteriophages in related clusters encoding pyrophosphatases.
Quinn, Adam	Poster #1442 presented 4/09 @ 12:00-1:00pm	Carl Henry† Katie Smith† Conwy Zheng† Alex Martin† Salem Hallab† Thanh Nguyen†	The Role of Protein Structure in Determining Gene Function for Bacteriophages, DoctorPepper and RootBeer
Quinn, Adam	Poster #1665 presented 4/09 @ 1:30-2:30pm	Manasvi Lingampally† Ashley Cumbee† Grace Troyer† Kayla Grennes‡ Amanda Pawlecki‡ Faith Chapman‡	Conservation of A. globiformis Genetics in the Genomes of Bacteriophages DoctorPepper and RootBeer.
Rainey, Katelin Mcalli	Poster #1118 presented 4/09 @ 9:00-10:00am	Richard Silvester† Aadi Jangid† Alejandra De la Torre Garcia† Aarohi Panzade‡ Philip Liu‡ Pavan Sathengeri‡ Katelin Mcalli Rainey‡ Ji Yeon Lee‡	Speech recognition in Aphasia Patients through Self-Powered Wearable Sensors
Ramakrishnan, Vandana	Poster #1490 presented 4/09 @ 12:00-1:00pm	Ethan Pinarski†	Spectroscopic Validation of ODIN-DESI LAE Catalogs
Ramishetty, Sravani	Virtual #9030 presented 4/09-4/16 virtually	Tri Than†	Multi-agent RL for Drone Swarm Navigation
Ramshanker, Abinands	Virtual #9026 presented 4/09-4/16 virtually	Luca Simoni† Hunter Mccollough† Pranay Jaggi†	Implementing DFT for a SoC
Randez, Alyssa	Poster #1440 presented 4/09 @ 12:00-1:00pm	Alexander Harman† Roma Kamat* Maria Armenta*	Preferences for Cognitive Effort Exertion in a Task/No-Task Paradigm
Randolph, Caitlin	Poster #1284 presented 4/09 @ 10:30-11:30am	Mia Martinez† Paige Davis‡	Chemical Conjugation Method for Enhanced Diacylglycerol Multiple Reaction Monitoring Profiling
Ranjan, Rajeev	Poster #1071 presented 4/09 @ 9:00-10:00am	Rachel Kuhn† Kayleigh Jennings‡	Characterization of Candidate Transcription Factors in Arabidopsis Leaf and Seed Development
Rank, Chintan	Poster #1510 presented 4/09 @ 12:00-1:00pm	Parker Smith†	Innovative Solutions for Cleaner Air Travel: Ammonia as an Alternative Jet Fuel
Rashid Khan, Kaif	Poster #1243 presented 4/09 @ 10:30-11:30am	Madison Flowers†	Evaluating the Effect of Placement of a Photolabile Backbone Amide Linker on the Yield of a Cyclic Pentapeptide
Rastgaar, Mo	Poster #1657 presented 4/09 @ 1:30-2:30pm	Katie-Jane Klembarsky†	Active Two Degree of Freedom Prosthetic Ankle
Raudabaugh, Daniel	Poster #1245 presented 4/09 @ 10:30-11:30am	Ethan Fox†	The Effects of Coal Ash on Wetland Aquatic Fungal Biodiversity

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Mentor Name	Presentation	Students	Title
Raudabaugh, Daniel	Poster #1403 presented 4/09 @ 12:00-1:00pm	Kay Annunziata†	The Effects of pH on Lichen Thallus, Lichen-Associated Algae, and Lichen-Associated Fungi.
Ravva, Saranya	Poster #1521 presented 4/09 @ 12:00-1:00pm	Steven Turnbull† Lisa Li† Cheyenne Huang† Ananya Prasad† Tatiana Varela† Pranav Singh†	Multifunctional Materials in Aerospace and Applications to Quadcopter Drones
Redick, Thomas	Poster #1668 presented 4/09 @ 1:30-2:30pm	Hecun Liu†	Effect of AI Benevolence on Humans' Trust and Use of an AI Assistant in a Video Game
Reed, Jason B.	Poster #1639 presented 4/09 @ 1:30-2:30pm	Greenley Goedde†	"Mapping Research Impact: Insights from Bibliometric Analysis of Academic Libraries' Publishing Trends"
Ren, Junyan	Poster #1310 presented 4/09 @ 10:30-11:30am	Ryan San Juan†	Constructing a Membrane Based Dehumidification System: Gathering Key Components
Ren, Tong	Poster #1112 presented 4/09 @ 9:00-10:00am	Jeremy Roos†	Synthesis and characterization of Coll complexes supported by a tetra-imine macrocycle (TEIM)
Renkert, Sarah	Poster #1261 presented 4/09 @ 10:30-11:30am	Jarren Haggard† Katie Peterson*	Boilermaker Food Security
Reppert, Mike	Talk #7081 presented 4/11 @ 4:20pm	Sarah Alvarez† Sajal Salim*	Exploring Protein-bound Chlorophyll a's Vibrational Spectrum at Room Temperature Through Microsampling and Isotope Substitution
Reyes, Camila	Poster #1663 presented 4/09 @ 1:30-2:30pm	Rebecca Lewis†	Impact of serum advanced glycation end-products and RAGE inhibitor administration on patellar tendon healing in a mouse model
Reynolds, Jeremy	Talk #7015 presented 4/11 @ 10:20am	Julieta Aguilar†	Racial inequality on Mturk: Racial Differences in Gig Worker's Satisfaction with Schedules
Ringenberg, Tatiana	Poster #1055 presented 4/09 @ 9:00-10:00am	Jon Hurley†	Exploring the needs of maternal Tdap vaccine among pregnant women: An Analysis of Reddit postings.
Ringenberg, Tatiana	Poster #1491 presented 4/09 @ 12:00-1:00pm	Reeya Ramasamy†	CATT: Understanding the Online Behavior of Child Sex Offenders
Ringenberg, Tatiana	Poster #1711 presented 4/09 @ 1:30-2:30pm	Braeden Strahm†	IT Personnel's Perception on the Cyber Resilience Act
Ritchie, Ken	Poster #1496 presented 4/09 @ 12:00-1:00pm	Ryan Rushing† Eleazar Gonzalez‡	Probing the Free Energy Landscape of Protein L
Roach, Mikayla	Poster #1673 presented 4/09 @ 1:30-2:30pm	Allison Matovic† Sanjana Muniraj*	The Effects of Lactobacillus Casei and Streptococcus Mitis on Sulfated Glycosaminoglycan Content and RNA Expression in Chondrocytes
Rocheford, Evan	Talk #7006 presented 4/11 @ 9:20am	Serena Wesley†	Orange Corn-based diet improves total antioxidant capacity in layer pullets compared to traditional yellow corn diets.

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Mentor Name	Presentation	Students	Title
Rocheford, Torbert	Talk #7006 presented 4/11 @ 9:20am	Serena Wesley†	Orange Corn-based diet improves total antioxidant capacity in layer pullets compared to traditional yellow corn diets.
Rodriguez, Natalia	Poster #1065 presented 4/09 @ 9:00-10:00am	Ishita Katak†	User perspectives to inform the development of a rapid test for early detection of HIV.
Rodriguez, Natalia	Poster #1454 presented 4/09 @ 12:00-1:00pm	Jillian Kelley†	Impact of COVID-19 Rapid Testing on a Homeless Services Organization
Rodriguez Segura, Leobardo	Poster #1112 presented 4/09 @ 9:00-10:00am	Jeremy Roost†	Synthesis and characterization of CoIII complexes supported by a tetra-imine macrocycle (TEIM)
Rodriguez-Rivera, Gustavo	Poster #1050 presented 4/09 @ 9:00-10:00am	Kyle Harvey† Nicholas Bogan†	ASMprofiler
Rogat, Toni	Poster #1313 presented 4/09 @ 10:30-11:30am	Anshi Shastry†	Pre-Service Teachers' Perceived Relevance of Scenarios Reflecting Motivational Challenges during Field-Based Experiences
Rogers, Tim	Poster #1619 presented 4/09 @ 1:30-2:30pm	Sooraj Chetput† Johnathan Hong† Alex Chitsazzadeh† FangLing (Victor) Zhang† Khoi Pham† Zengxiang (Tim) Han† Justin Cambridge† Htet Yan† Spencer Bowles‡	XOR: SIMT-Scalar architecture for Control Flow Divergence
Rojas de Oliveira, Hinayah	Poster #1691 presented 4/09 @ 1:30-2:30pm	Marcos Daniel Pastrana†	Genomic Insights into the Breed Composition of Purdue Beef Cattle
Rojas de Oliveira, Hinayah	Talk #7052 presented 4/11 @ 1:40pm	Hsin-Yu (Sinyu) Hou†	Estimation of Genetic Parameters for Twinning Rate in Holstein Cattle
Ropp, Timothy	Talk #7035 presented 4/11 @ 12:00pm	Clayton Cobb† Jeremy Rashkin† Chloe Graham†	Digitalized Manufacturing of Fiber-reinforced Composite Patching for Steel Bridge Girder Repair
Rosenberger, Claire	Poster #1318 presented 4/09 @ 10:30-11:30am	Katherine Stockhausen†	Visual sampling patterns in a naturalistic setting for toddlers with autism
Roth, Thomas	Poster #1497 presented 4/09 @ 12:00-1:00pm	Felipe Sandoval† Naren Rachapalli† Ben Eng† Nicholas Helushka† Gokulkrishnan Harikrishnan† Truman Mohr† Nicholas Detwiler† Warat Vijitbenjaronk† Ron Bejerano†	Toward 3D General-Purpose Computational Quantum Electromagnetics Modeling
Roy, Sayan	Poster #1078 presented 4/09 @ 9:00-10:00am	Isabella Levine†	Investigation of high energy radiation effects on electronic memory devices
Roy, Shrea	Poster #1673 presented 4/09 @ 1:30-2:30pm	Allison Matovic† Sanjana Muniraj*	The Effects of Lactobacillus Casei and Streptococcus Mitis on Sulfated Glycosaminoglycan Content and RNA Expression in Chondrocytes

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Mentor Name	Presentation	Students	Title
Ruan, Xiulin	Poster #1448 presented 4/09 @ 12:00-1:00pm	Aakar Jain†	Pigment-Based Colored Radiative Cooling Paints for UV-Resistant Passive Cooling
Rubanenko, Lior	Talk #7059 presented 4/11 @ 2:20pm	Sara Cuevas-Quñones†	Cold Spot Crater Characterization on the Moon Using an Unsupervised Neural Network
Rudd, Trexie	Talk #7004 presented 4/11 @ 9:40am	Nicole Stepp† Samantha Ky† Evan Coblenz* Caroline Packee*	Navigating Health Information: Factors Influencing Decision Making in Emerging Adults
Rudd, Trexie	Talk #7033 presented 4/11 @ 12:20pm	Samantha Ky† Nicole Stepp† Evan Coblenz† Sathveka Sembian‡ Caroline Packee*	Implementing Campus-Wide Vaccine Clinics Through Interdisciplinary and Community Partnerships
Ruiz, Yumary	Poster #1013 presented 4/09 @ 9:00-10:00am	Emily L Bond†	Parent-Child Communication Regarding Substance Use in Latino/a Youth
Ruiz, Yumary	Poster #1300 presented 4/09 @ 10:30-11:30am	Alejandra Porras Hernandez†	The comparison between the presence/absence of health insurance, educational level and physical health, among rural Latine adults from agricultural and farmwork families
Ruiz, Yumary	Poster #1449 presented 4/09 @ 12:00-1:00pm	Mahee Jain†	Positives Amidst the Challenges: Perspectives from Adolescents in Families Experiencing Homelessness and Housing Instability
Ruiz, Yumary	Poster #1523 presented 4/09 @ 12:00-1:00pm	Daniela Valencia†	The Relationships between Sources of Support, Stressor Types, and Level of Psychological Stress among Latine Youth from Rural and Agricultural Families
Ruiz, Yumary	Poster #1615 presented 4/09 @ 1:30-2:30pm	Carmela Campbell†	Intra- and Interpersonal Factors that Contribute to the Delay of Sexual Debut Among Rural Latino/a Adolescents
Ruiz, Yumary	Poster #1651 presented 4/09 @ 1:30-2:30pm	Paige Ittig†	Domains of Connectedness that Impact Latino/a Youths' Perceptions of Health
Ruzomberka, Eric	Poster #1297 presented 4/09 @ 10:30-11:30am	Adam Piaseczny†	The Impact of Adversarial Node Placement in Decentralized Federated Learning Networks
Saklani, Pooja	Poster #1284 presented 4/09 @ 10:30-11:30am	Mia Martinez† Paige Davis‡	Chemical Conjugation Method for Enhanced Diacylglycerol Multiple Reaction Monitoring Profiling
Salvo, Michael	Talk #7016 presented 4/11 @ 10:40am	Teah Good† Jefferey Chen† Evan Hunt† Eva Voelkert† Carissa Bauerband‡	Artificial Infrastructures: Framing Young Professional Experience
Samassekou, Kadidia	Poster #1011 presented 4/09 @ 9:00-10:00am	Livia Bogdan†	Investigating the GEF activity of Phospholipase Ce

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Mentor Name	Presentation	Students	Title
Samayoa-Oviedo, Hugo	Poster #1626 presented 4/09 @ 1:30-2:30pm	Ronald Cutler†	Probing the Formation of Reactive Oxygen Species at the Surface of Charged Microdroplets
Samayoa-Oviedo, Hugo	Poster #1648 presented 4/09 @ 1:30-2:30pm	Daniel Hristov†	Understanding the stability and fragmentation of gas-phase host-guest complexes of cyclodextrins and methyl viologen
Samuel, Doug	Poster #1131 presented 4/09 @ 9:00-10:00am	Jasmine White†	Understanding Clinical Diagnosis: Does Race Influence Diagnostic Impressions?
Sanchez, Mitchell	Poster #1035 presented 4/09 @ 9:00-10:00am	Molly Dye† Nicole Nagel†	Design of Physiological Monitoring Device to Detect Autonomic Dysreflexia
Sanchez, Mitchell	Poster #1675 presented 4/09 @ 1:30-2:30pm	Shaiv Mehra† Tyler Merrill†	RoboGripper: EMG-Controlled, Wrist Brace-Mounted, Robotic Manipulator for Hand Paralysis Patients
Santagata, Marika	Poster #1059 presented 4/09 @ 9:00-10:00am	Clayton Jarosinski† Claire Middendorf‡	Measuring Hydraulic Conductivity of Permeable Pavement
Santagata, Marika	Poster #1474 presented 4/09 @ 12:00-1:00pm	Claire Middendorf†	Development of Coating Method for Granular Materials
Sapkota, Bima	Poster #1110 presented 4/09 @ 9:00-10:00am	Bronwyn Rigsby†	Elementary Teachers' Mathematics Curricular Reasoning: Connecting Instructional Decisions to Curricular Knowledge, Vision, and Trust
Sardana, Pranshul	Poster #1421 presented 4/09 @ 12:00-1:00pm	Abhigyan Doshi†	Creating specialised data sets for particle detection in microfluidic images
Sari, Pam	Poster #1495 presented 4/09 @ 12:00-1:00pm	Ana Rojas†	Listening Beyond Words: the Analysis of Cultural Identity Audio Biographies
Sarker, Pramiti	Poster #1133 presented 4/09 @ 9:00-10:00am	George Youssef†	Using Communication Patterns to Predict Team Performance
Saunders, Mike	Poster #1314 presented 4/09 @ 10:30-11:30am	Jonathan Shimizu†	Effects of Prescribed Fire on Timber Quality in Central Hardwood Forest Region
Scarpelli, Matthew	Poster #1000 presented 4/09 @ 9:00-10:00am	Teagan Ames-Majeski†	Evaluation of Cytotoxic Effects and Anti-Tumor Efficacy of Targeted Tumor-Associated Macrophage Treatment Using Ferumoxytol in Canine Gliomas
Scarpelli, Matthew	Poster #1084 presented 4/09 @ 9:00-10:00am	Carson Mann†	Spatially Fractionated Radiation Therapy (SFRT): Quality Assurance of a Pre-clinical Radiation Therapy Modality
Scarpelli, Matthew	Poster #1217 presented 4/09 @ 10:30-11:30am	Kaubfar Changkanjana†	Comparing Automated vs manual cell counts in Cytosmart in breast cancer cell lines
Scarpelli, Matthew	Poster #1275 presented 4/09 @ 10:30-11:30am	Ashlyn Kwan†	Quantification of Tumor-associated Macrophages in Gliomas treated with Ferumoxytol
Scarpelli, Matthew	Poster #1419 presented 4/09 @ 12:00-1:00pm	Camryn Clappert† Valeria Rodríguez‡	Investigating the Effects of Ferumoxytol and Radiation on Reactive Oxygen Species Production

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Mentor Name	Presentation	Students	Title
Scarpelli, Matthew	Poster #1461 presented 4/09 @ 12:00-1:00pm	Dhriti Laddha†	Iron-Induced Radiosensitivity in Mammary Cancer Cells (4T1)
Scarpelli, Matthew	Poster #1701 presented 4/09 @ 1:30-2:30pm	Valeria Rodríguez† Camryn Clapper*	Exploring The Impact Of Ferumoxytol On Reactive Oxygen Species In Various Cell Types
Scarpelli, Matthew	Talk #7040 presented 4/11 @ 12:40pm	Sidney Schwartz†	Accurate Iron Quantification in Cells
Schaider, Madylin	Poster #1202 presented 4/09 @ 10:30-11:30am	Maggie Anderson†	Shielding Tomatoes from Pathogen Assault: Deciphering the Mysteries of the Detoxification Gene
Schaser, Allison	Poster #1707 presented 4/09 @ 1:30-2:30pm	Faith Scott†	Identification of Biomarkers of Aging by Targeted Proteomics
Schinckel, Allan	Talk #7017 presented 4/11 @ 10:00am	Evy Tobolski†	The Role of Conductive Cooling and Moringa oleifera Supplementation of Heat Stressed Sows on the Cheek Lipidome of Neonatal Piglets
Schmitz, Jennifer	Poster #1241 presented 4/09 @ 10:30-11:30am	Mia Fleisher-de Kozant†	Effects of developmental methylmercury exposure on eIF2 signaling pathway in the presence of secondary stressors
Schrader, Sarah A	Poster #1234 presented 4/09 @ 10:30-11:30am	Sophia DeWitt†	Distribution and Pattern Analysis of Osteoarthritis in an Ancient Tombos Population
Schwichtenberg, A.J.	Poster #1318 presented 4/09 @ 10:30-11:30am	Katherine Stockhausen†	Visual sampling patterns in a naturalistic setting for toddlers with autism
Schwichtenberg, A.J.	Poster #1642 presented 4/09 @ 1:30-2:30pm	Carlos Guzman Garcia†	Do girls with Attention-Deficit/Hyperactivity Disorder (ADHD) present with more sleep problems?
Schwichtenberg, A.J.	Virtual #9008 presented 4/09-4/16 virtually	Maelyn Fulton†	Angelman and Fragile X Syndromes – Early Sleep Patterns
Scinto, Sara	Talk #7020 presented 4/11 @ 11:00am	Kashyap Akkinapally†	Investigating the Implication of Delta-Like 1 Intracellular Domain Over-expression on Muscle Stem Cell Differentiation
Scrudders, Kevin	Poster #1129 presented 4/09 @ 9:00-10:00am	Andrew Walke† Emmaleigh Shinno‡	Mechanistic features of Cationic Amphiphilic Polyproline Helix (CAPH) interactions with the biological membranes
Scrudders, Kevin	Poster #1494 presented 4/09 @ 12:00-1:00pm	Kenneth Rodriguez-Lopez†	Tumor-associated antigen surface density in mechanisms of CAR T cell activation threshold-setting
Scudder, Molly	Poster #1303 presented 4/09 @ 10:30-11:30am	Jaixai Reineke† Misri Shah‡	Democracy for Busy College Students: Reimagining the Demands of Political Participation For College Age Citizens
Searle, Cat	Poster #1073 presented 4/09 @ 9:00-10:00am	Megan Lawson†	The interactive effects of temperature and salinity in Bd infection in bullfrog tadpoles
Searle, Cat	Poster #1101 presented 4/09 @ 9:00-10:00am	Emileo Peralta†	The effects of total nitrogen and total phosphorus on amphibian disease

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Mentor Name	Presentation	Students	Title
Searle, Cat	Talk #7060 presented 4/11 @ 2:40pm	Ethan Guardado†	How skin color modulates behavioral fever in Northern leopard frogs
Secrist, Scotty	Poster #1025 presented 4/09 @ 9:00-10:00am	Ashton Cotton†	Simulating Granular Materials to Characterize the Effect of Particle Shape on Pore Interconnectivity and Mass Transport
Secrist, Scotty	Poster #1038 presented 4/09 @ 9:00-10:00am	Elizabeth Christine Farrell†	MicroRNA-31 Regulates Neutrophil Migration and Activation
Secrist, Scotty	Poster #1232 presented 4/09 @ 10:30-11:30am	Arianna Dejoiet†	Phrenology and Slavery: 19th Century Pseudoscience in the Antebellum South
Secrist, Scotty	Poster #1275 presented 4/09 @ 10:30-11:30am	Ashlyn Kwan†	Quantification of Tumor-associated Macrophages in Gliomas treated with Ferumoxytol
Secrist, Scotty	Poster #1633 presented 4/09 @ 1:30-2:30pm	Kiki Finlayson† Emma Gordon‡ Alana Powell‡	What is it like to access legal abortion care under Indiana law? A study protocol
Secrist, Scotty	Poster #1685 presented 4/09 @ 1:30-2:30pm	Henrietta Ndubuokwu†	Zebrafish actb1 knock-in
Sededji, Edem	Poster #1231 presented 4/09 @ 10:30-11:30am	Perry Curtist† Hannah Bard* Tamia Austin*	Investigation of Occupational Exposure to Heavy Metals and Pesticides, Potential Risk Factors for Parkinson's Disease
Seetharaman, Sivaranjani	Talk #7055 presented 4/11 @ 2:40pm	Hsin-Wei (Ryan) Hsieh† Hyunsang (Ethan) Cho† Jaewon Cho† Zachary Witeck† Byung Wook Kim‡ Hyunjun Park‡ Spencer Gries‡ Kisal Wijesooriya‡ Thilak Babu*	Predicting EV Charging Station Demand: A Novel Approach Utilizing Traffic Flows
Seigfried-Spellar, Kathryn	Poster #1491 presented 4/09 @ 12:00-1:00pm	Reeya Ramasamy†	CATT: Understanding the Online Behavior of Child Sex Offenders
Seigfried-Spellar, Kathryn	Talk #7074 presented 4/11 @ 3:40pm	Juliana St. Denis† Abhinaya Nagalla† Ashton Allen† Jordan Cooley† Alexandria Bedard† Sophie Shank‡ Evan Coblentz‡	Designing, Implementing, and Evaluating a Sex Trafficking & Domestic Violence Training Program for Licensed Salon Professionals in Indiana
Selvarajan, Suriya	Poster #1494 presented 4/09 @ 12:00-1:00pm	Kenneth Rodriguez-Lopez†	Tumor-associated antigen surface density in mechanisms of CAR T cell activation threshold-setting
Sen, Abhirup	Talk #7034 presented 4/11 @ 12:40pm	Simone Moulton†	Upcycling Biomass to Sustainable Aviation Fuel via Far-Equilibrium Electrification
Senichev, Alexander	Poster #1621 presented 4/09 @ 1:30-2:30pm	Geetika Chitturi† Trang Do†	Machine learning-assisted rapid clustering and mechanism exploration of single photon emitters

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Mentor Name	Presentation	Students	Title
Sepúlveda, Maria	Poster #1427 presented 4/09 @ 12:00-1:00pm	Claire Fisher† Sophia Horn‡ Hallie Jackson‡ Emma Engel* Olivia Zaragoza*	Characterizing Hemoglobin Expression in <i>Chironomus dilutus</i> Across Larval Development
Sepúlveda, Maria	Poster #1706 presented 4/09 @ 1:30-2:30pm	Jenna Schoonmaker†	Identifying metabolic signatures associated with PFAS exposure and their role in neurotoxicity in the African clawed frog (<i>Xenopus laevis</i>)
Sereno, Anne	Poster #1305 presented 4/09 @ 10:30-11:30am	Oliwia Rentley†	Size matters more when you don't know "it"
Sereno, Anne	Poster #1441 presented 4/09 @ 12:00-1:00pm	Jacob Henley† Xinmeng Zhou† Madhura Kawat†	The role of practice: Does practicing reduce attentional benefits?
Seshadri, Akul	Poster #1020 presented 4/09 @ 9:00-10:00am	Yuan-Jung Chen† Andre Ponsot† Angus Moore†	Investigating the Efficacy of Synthesized Foam Gels, Carbopol, or Shampoo as Polymeric Admixtures for Concrete Additive Manufacturing
Shader, Maureen	Talk #7054 presented 4/11 @ 2:20pm	Dalton Aaker†	Decoding fNIRS Neural Responses: A Machine Learning Approach
Shah, Saira	Poster #1502 presented 4/09 @ 12:00-1:00pm	Kennedy Sheppard† Noa Shoal†	Pre- and Post-Pandemic Adolescent Physical Activity Trends and Potential Impacts on Sleep through Analyzing YRBS data (2017-2023)
Shalaev, Vladimir	Poster #1621 presented 4/09 @ 1:30-2:30pm	Geetika Chitturi† Trang Do†	Machine learning-assisted rapid clustering and mechanism exploration of single photon emitters
Shanghavi, Aditya	Poster #1441 presented 4/09 @ 12:00-1:00pm	Jacob Henley† Xinmeng Zhou† Madhura Kawat†	The role of practice: Does practicing reduce attentional benefits?
Shannahan, Jonathan	Poster #1425 presented 4/09 @ 12:00-1:00pm	Jacob Eyster†	Oral Nicotine Pouches Induce Cellular Toxicity in Human Primary Oral Keratinocytes
Shannahan, Jonathan	Talk #7012 presented 4/11 @ 10:20am	Nicolas Medel†	Spatial Modifications In Pulmonary Lipids Following Nanoparticle Exposure
Sharma, Akanshu	Poster #1296 presented 4/09 @ 10:30-11:30am	Raahil Pattan†	The Behavior of Anchorages and Subassemblies Under Moment Loading
Sharma, Akanshu	Poster #1522 presented 4/09 @ 12:00-1:00pm	Vanessa Grace Uy† Sharma Kashish*	Widening Concrete Elements Using Chemical Anchoring Systems
Sharma, Akanshu	Poster #1664 presented 4/09 @ 1:30-2:30pm	Van Tha Bik Liant†	Behavior and Performance of Concrete Anchors under Tension Loading
Sharma, Akanshu	Poster #1708 presented 4/09 @ 1:30-2:30pm	Sharma Kashish† Vanessa Grace Uy*	Widening Reinforced Concrete Elements Using Chemical Anchoring Systems
Sharma, Nikhil	Poster #1450 presented 4/09 @ 12:00-1:00pm	Lillian Ji†	Lithium batteries for smart windows

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Mentor Name	Presentation	Students	Title
Sheffield, John	Poster #1054 presented 4/09 @ 9:00-10:00am	Brogan Holt† Daniel Wu* Tristan Darby* Dylan Hall* Zach Tan* Carl Chandra* Ayan Hossain* Apoorva Bahl* Kexin Han* Grant Goldsmith*	Race 2 Zero: Decarbonization of the Galapagos
Shein, Brenda	Poster #1307 presented 4/09 @ 10:30-11:30am	Mia Rodriguez†	Customers' Experiences of Racial Discrimination at Southern Waffle Houses
Shekhar, Shaan	Virtual #9032 presented 4/09-4/16 virtually	Enze Wang†	Watch Our Your Phone Calls: Inference Attacks Over Encrypted 5G Calls
Shi, Riyi	Poster #1098 presented 4/09 @ 9:00-10:00am	Mitul Patel†	Limitation of deep learning approach to automatic sleep phase scoring. Application of Otsu's method to multitaper spectrogram as alternative strategy to future implementation of a decision tree algorithm.
Shi, Riyi	Poster #1480 presented 4/09 @ 12:00-1:00pm	Khanh Ha Nguyen†	Influence of Oxidative Stress on Neuron Firing: Implications for Traumatic Brain Injury
Shi, Riyi	Talk #7042 presented 4/11 @ 1:20pm	David Kim†	Spatial and Temporal Diffusion of Secondary Injury Markers following Localized Brain Injury In Vitro
Shi, Yuming	Poster #1229 presented 4/09 @ 10:30-11:30am	Wyatt Crain†	Covalent Approximation for Dissociation Energies in Density Functional Theory
Simonds, Madison	Poster #1081 presented 4/09 @ 9:00-10:00am	Erica Long†	A prediction model of antibiotic treatment success in dairy calves with bovine respiratory disease
Singh, Mahavir	Poster #1265 presented 4/09 @ 10:30-11:30am	Marco Herbsommer†	Using THz spectroscopy to identify corrosive waste and plastics
Singman, Jane	Poster #1671 presented 4/09 @ 1:30-2:30pm	Gianna Martire† Kris Sass†	Does intergroup contact impact children's relation to outgroups?
Sintim, Herman	Poster #1532 presented 4/09 @ 12:00-1:00pm	Irina Zhilinskaya† Evan Hanson‡	Synthesis and Evaluation of Fluorescent Chemical Probes for Utilization in High-throughput Screening
Sivaprakasam, Andrew	Poster #1426 presented 4/09 @ 12:00-1:00pm	Elizaveta Filippova† Seth Grabert† Isabelle Baggio‡ Christopher Miotto‡ Brandon Mar‡	Wearable Voice Amplifying Accessibility Device for Parkinson's Patients Affected by Speech Impairment

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Mentor Name	Presentation	Students	Title
Sivaprakasam, Andrew	Virtual #9007 presented 4/09-4/16 virtually	Ava Flynn† Moeyad Omer† Zion Hackett† Grant Congdon† Mia Wilhite† Divya Manvikar† Myra Khare†	Ulcer Prevention Sensor Pad
Smith, Alyssa	Poster #1203 presented 4/09 @ 10:30-11:30am	Lillian Andist†	Ontogeny and Cell Proliferation in the Porcine Fetal Intestine
Smith, Jennifer	Poster #1653 presented 4/09 @ 1:30-2:30pm	Jacob Jenkins† Emma Jones‡	Developing Positive Pre-Service Teacher-Student Relationships through Field Experiences
Smith, Jennifer	Virtual #9029 presented 4/09-4/16 virtually	Riley Tague† Elaine Huang‡	Family Engagement: Reflecting on the Importance of Building Positive Relationships
Snyder, Jellie	Poster #1311 presented 4/09 @ 10:30-11:30am	Kali Sayovitz†	Developing a Dual Enzyme Spectrophotometric Assay to Quantify Hydrogen Sulfide Production by Recombinant Tryptophanase
Solanki, Abhishek	Poster #1280 presented 4/09 @ 10:30-11:30am	Joseph Lopez† Caleb Suh*	Quantum Metrology for New-Era Electronics
Soliman, Ahmed	Poster #1657 presented 4/09 @ 1:30-2:30pm	Katie-Jane Klembarsky†	Active Two Degree of Freedom Prosthetic Ankle
Sommer-Kohrt, Kylie	Poster #1048 presented 4/09 @ 9:00-10:00am	Jaya Hari† Alice Dragnea† Dheepa Hari† Yash Ashtekar† Aryan Srivastava† Nikhil Saxena† Shuangding He† Nikitha Suraj† Geervan Bhattacharjee†	The Exploration of Autonomous Navigation of Unmanned Aerial Vehicles Within a Maze
Son, Jihye	Talk #7047 presented 4/11 @ 1:00pm	Alexandra Glaws†	Noncanonical regulation of genes by KMT5C-H4K20me3 in EGFR inhibitor resistance in non-small cell lung cancer
Son, Steven	Poster #1271 presented 4/09 @ 10:30-11:30am	Alex Karns†	Slope break burn rate testing of DCPD propellant
Son, Steven	Talk #7065 presented 4/11 @ 3:40pm	Camille Jorenby†	Enhancing Solid Propellant Burning Rate Predictions through Machine Learning Modeling
South, Susan	Poster #1625 presented 4/09 @ 1:30-2:30pm	Kendall Conaway†	Childhood Emotional Abuse and Sibling Relationships
Specht, Aaron	Poster #1040 presented 4/09 @ 9:00-10:00am	John Frandina† Gabrielle Pedigo†	Understanding of Radiation and Health Physics in High School Students
Specht, Aaron	Poster #1486 presented 4/09 @ 12:00-1:00pm	Gladys Osakwe†	Feasibility of Lead Exposure Assessment in Blood Spots using Energy-Dispersive X-ray Fluorescence

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Mentor Name	Presentation	Students	Title
Specht, Aaron	Poster #1689 presented 4/09 @ 1:30-2:30pm	Stefano Parducci†	Comparison between Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) and benchtop X-Ray Fluorescence (XRF) performance for trace elemental exposure in rat tissues
Specht, Aaron	Talk #7011 presented 4/11 @ 10:00am	Daniel Read†	Dosimetry Testing for a New In-Vivo X-Ray Fluorescence Measurement System
Speth, Joseph	Poster #1000 presented 4/09 @ 9:00-10:00am	Teagan Ames-Majeski†	Evaluation of Cytotoxic Effects and Anti-Tumor Efficacy of Targeted Tumor-Associated Macrophage Treatment Using Ferumoxytol in Canine Gliomas
Spicuzza, Emily	Talk #7009 presented 4/11 @ 10:20am	Aanya Doshi†	Factors Affecting the Microbiome of Hydroponics Systems
Spoerner, Deborah	Poster #1483 presented 4/09 @ 12:00-1:00pm	Chaewon Oh† Samskrithi Sivakumar† Ridhi Tamirasa Kandala‡ Thomas Huss‡	Web Scraping to Assess Medication Safety
Sribunma, Worawis	Poster #1002 presented 4/09 @ 9:00-10:00am	Nathan Arnold† Alexander Eiguren† Anna Radulski† Grant Sims† Alan Chao†	Biomedical Drone for Narcan Delivery
Sribunma, Worawis	Poster #1324 presented 4/09 @ 10:30-11:30am	Enzo Tiptur† Elliot Wong* Christian Davus* Jack Slater* Nicholas Gano* Andrew Song*	Autopilot Integration for Lightweight Unmanned Fixed Wing Aircraft in PURT Testing Facility
Srivastava, Ananya	Poster #1508 presented 4/09 @ 12:00-1:00pm	Vidisha Singhal†	DMA Controller with Cache Coherence and Trigger Mechanism
Srivastava, Swati	Poster #1529 presented 4/09 @ 12:00-1:00pm	Madeleine Yang† Enice Zhu† Maggie Collins†	Evaluating Big Tech's "Commitment" to Human Rights
Stanciu, Lia	Poster #1506 presented 4/09 @ 12:00-1:00pm	Shiv Shukla†	In-Vitro Characterization of Ultrafine Particles Using Realistic Parameters to Predict Lung Deposition and Assess Health Effects
Stanksal, Ritvik	Poster #1464 presented 4/09 @ 12:00-1:00pm	Chloe Lin† Samitha Ranasinghe† Rajit Khatri† Vignesh Charapalli†	Securing CI Workflows of Open Source Repositories
Steinhubl, Steve	Poster #1264 presented 4/09 @ 10:30-11:30am	Abigail Heppelmann†	AI-Supported Personal Ultrasound to Improve Maternal Outcomes
Sterkenburg, Ronald	Poster #1729 presented 4/09 @ 1:30-2:30pm	Sucheol Woo† Min Yong Chun‡ Seongyun Kim‡	Improving the Engineering Behind Purdue Pete Mascot Helmet
Stoczynski, Lauren	Poster #1332 presented 4/09 @ 10:30-11:30am	David Zis† Anna McCoy†	Investigating Undergraduate Students' Interpretation of Error Bars
Strachan, Alejandro	Poster #1259 presented 4/09 @ 10:30-11:30am	Vinay Gupta† Shrienidhi Gopalakrishnan‡	Accelerating Radiation Damage Simulation through Machine Learning

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Mentor Name	Presentation	Students	Title
Strother, Logan	Poster #1012 presented 4/09 @ 9:00-10:00am	Lucy Bolles† Emma Johnson†	United States Court of Claims Court History
Strother, Logan	Poster #1493 presented 4/09 @ 12:00-1:00pm	Shyeonna Robinson†	Tracking the United States Court of Claims
Sturm, Jessica	Talk #8000 presented 4/11 @ 10:00am	Emma Niecikowski†	LOL or MDR: The Importance of Slang When Teaching a Second Language
Suarez-Trujillo, Aridany	Poster #1643 presented 4/09 @ 1:30-2:30pm	Emerson Haines† Evy Tobolski‡	Impact of Colostrum Feeding on Mammary Gland Cell Proliferation
Sudarshan, Meghana	Poster #1265 presented 4/09 @ 10:30-11:30am	Marco Herbsommer†	Using THz spectroscopy to identify corrosive waste and plastics
Sun, Annie	Poster #1208 presented 4/09 @ 10:30-11:30am	Shawn Belongia†	Hybrid Lithiation Mechanism in Hard Carbon Enables Ultrasafe Semisolid Fire Retarding Electrolyte in Lithium-ion Batteries
Sundaram, Shreyas	Poster #1114 presented 4/09 @ 9:00-10:00am	Joao Paulo Schott Ymayot† Mateo Llerna* Corey Auerbach*	Purdue Aerial Robotics Team
Sundaram, Shreyas	Poster #1236 presented 4/09 @ 10:30-11:30am	Avi Dube† Peter Zakariya† Sully Cisco* Justin Gan* Sahithi Gokavarapu* Josh Krohn* Derek Matthei* Anne Mitten* Pranati Patchigolla*	SWARMS: Multi-Agent Control Simulation Platform
Sundaram, Shreyas	Poster #1687 presented 4/09 @ 1:30-2:30pm	Alec Pannunzio†	Cascade Control with Stanley-Tracking for High-Speed Autonomous Racecars
Sunkula, Mahesh	Poster #1676 presented 4/09 @ 1:30-2:30pm	Ronit Mehta†	Image Compression Using Singular Value Decomposition
Suresh, Vallabh	Poster #1405 presented 4/09 @ 12:00-1:00pm	Ari Arzumanian†	Platinum-Containing Compounds have Potential Roles as Cyanide Antidotes
Suresh, Vallabh	Talk #7079 presented 4/11 @ 4:20pm	Elizabeth Andersent† Karthik Arcot‡ Sophie Zhou‡	Systematic Development and Optimization of Helix Stabilized Stapled Peptides for Inhibitory Use Against the Viral Oncoprotein, HPV-E6
Suter, Daniel	Poster #1214 presented 4/09 @ 10:30-11:30am	Alexa Burke†	Mechanosensing in <i>Aplysia californica</i> neuronal growth cones
Suthar, Deepak	Poster #1032 presented 4/09 @ 9:00-10:00am	Sohil Doshi†	Modeling in Concrete Anchors
Suthar, Deepak	Poster #1664 presented 4/09 @ 1:30-2:30pm	Van Tha Bik Liant†	Behavior and Performance of Concrete Anchors under Tension Loading
Swabey, Matthew	Poster #1216 presented 4/09 @ 10:30-11:30am	Jacob Carroll† David Lendert† William Jiang† Dogyu Ryu† Mihika Sharma† Anthony Petrescut†	IOT Machine Learning Environmental Detection

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Mentor Name	Presentation	Students	Title
Swabey, Matthew	Poster #1240 presented 4/09 @ 10:30-11:30am	Maximillian Farrell† Jack Scarfo† Anish Asthi† Minh Vu† Vinh Tran† Mateo Hackett† Michael Piper† Anthony Wachowski† Avinash Ignaczak†	Research and Development in IoT and Edge Processing
Swabey, Matthew	Virtual #9013 presented 4/09-4/16 virtually	Claire Kim† William Kwont†	Modification of Boot Loader for AFTx07 Chip
Szramowski, Mirandia	Poster #1311 presented 4/09 @ 10:30-11:30am	Kali Sayovitz†	Developing a Dual Enzyme Spectrophotometric Assay to Quantify Hydrogen Sulfide Production by Recombinant Tryptophanase
Szymanski, Daniel	Poster #1715 presented 4/09 @ 1:30-2:30pm	Ethan Szajko†	A global analysis of transcription factor gene expression dynamics during cotton fiber development
Tackett, Brian	Poster #1423 presented 4/09 @ 12:00-1:00pm	Alexandra Earle†	The Effect of Counterion Identity on PEDOT-Coated PTFE for Use as Gas Diffusion Electrodes for Electrochemical CO ₂ Conversion
Talasila, Estheru	Poster #1521 presented 4/09 @ 12:00-1:00pm	Steven Turnbull† Lisa Li† Cheyenne Huang† Ananya Prasad† Tatiana Varela† Pranav Singh†	Multifunctional Materials in Aerospace and Applications to Quadcopter Drones
Tallman, Tyler	Poster #1278 presented 4/09 @ 10:30-11:30am	Lisa Li†	Decoration of Carbon Nanotubes with Carbon-Coated Iron Nanoparticles for Multifunctional Self-Sensing Materials
Tallman, Tyler	Poster #1521 presented 4/09 @ 12:00-1:00pm	Steven Turnbull† Lisa Li† Cheyenne Huang† Ananya Prasad† Tatiana Varela† Pranav Singh†	Multifunctional Materials in Aerospace and Applications to Quadcopter Drones
Tanamachi, Robin	Poster #1106 presented 4/09 @ 9:00-10:00am	Owen Rahman†	Meteorological Case Study of QLCS Tornado in Southern Indiana on New Year's Eve 2018
Tanamachi, Robin	Poster #1638 presented 4/09 @ 1:30-2:30pm	Evelyn Girardi†	A Meteorological Investigation of a Tornado-Producing, 'Hybrid' Supercell-Multicell Storm near Delphi, Indiana on 8 May 2023
Tanwar, Reeya	Poster #1228 presented 4/09 @ 10:30-11:30am	Matthew Corson† Sofia Schumann‡	Validation of the neuromelanin-forming rats to model Parkinson's Disease and their implication in HAA-induced dopaminergic neurotoxicity
Tanwar, Reeya	Poster #1499 presented 4/09 @ 12:00-1:00pm	Sofia Schumann† Dia Jhaveri‡ Matthew Corson‡	Neurobehavioral characterization of chlorpyrifos exposure on Pon-1 (-/-) rat model

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Mentor Name	Presentation	Students	Title
Tao, Hongcheng	Poster #1003 presented 4/09 @ 9:00-10:00am	Janathan Balakrishnan†	Excitation amplitude variations that lead to non-linear responses of sympodial tree-like structure
Taylor, Zoe	Poster #1300 presented 4/09 @ 10:30-11:30am	Alejandra Porras Hernandez†	The comparison between the presence/absence of health insurance, educational level and physical health, among rural Latine adults from agricultural and farmwork families
Taylor, Zoe	Poster #1523 presented 4/09 @ 12:00-1:00pm	Daniela Valencia†	The Relationships between Sources of Support, Stressor Types, and Level of Psychological Stress among Latine Youth from Rural and Agricultural Families
Tepole, Adrian	Poster #1678 presented 4/09 @ 1:30-2:30pm	Chawin Mingsuwan†	Minecraft Gaming Elasticity Solver Modification for Learning Structure Mechanics
Tesmer, John	Poster #1130 presented 4/09 @ 9:00-10:00am	Ellen Wei†	Development and Assessment of Potent and Selective GRK6 Inhibitors for Treatment of Multiple Myeloma
Thompson, Aaron	Poster #1062 presented 4/09 @ 9:00-10:00am	Elisabeth Justice†	Revitalizing Fort Wayne's Riverfront: A Nature-Based Approach
Thompson, Aaron	Poster #1511 presented 4/09 @ 12:00-1:00pm	Colby Smock† Gabriela Nivar‡ Rachael Herring‡	Erosion, Aesthetics, and Acceptance: A Shoreline Story in Data and Design
Thompson, Aaron	Poster #1628 presented 4/09 @ 1:30-2:30pm	Noelle Dennis†	Morocco Wellness Gateway
Thompson, Aaron	Poster #1646 presented 4/09 @ 1:30-2:30pm	Rachael Herring†	Dune Harbor Park: Reclaiming a Natural Oasis for Our Community
Thompson, Aaron	Poster #1652 presented 4/09 @ 1:30-2:30pm	Jaylen Jackson†	Columbus Park: Creating an Austin Neighborhood Connection
Thompson, Aaron	Poster #1731 presented 4/09 @ 1:30-2:30pm	Yahan You†	Downstream Solutions: Tackling Nutrient Pollution in the White River Basin
Thompson, Makena	Poster #1310 presented 4/09 @ 10:30-11:30am	Ryan San Juan†	Constructing a Membrane Based Dehumidification System: Gathering Key Components
Thompson, Paige	Poster #1049 presented 4/09 @ 9:00-10:00am	Ashley Hartman† Madeline Douglas†	Infant Mouthing Behaviors During Naturalistic Play
Thompson, Paige	Talk #7013 presented 4/11 @ 10:40am	Stephanie Koopman† Riya Karpe†	Role Differentiated Bimanual Manipulation in Home Environment For Infants Two Years Old and Younger
Tinsley, Samantha	Poster #1221 presented 4/09 @ 10:30-11:30am	Ella Rose Chianis†	The mechanism of indirect PP2A suppression by mutant KRAS in PDAC
Tiwari, Kshitij	Talk #7080 presented 4/11 @ 4:00pm	Revanth Krishna Senthilkumarant† Mridu Prashanth†	ARTEMIS: AI-driven Robotic Triage Labeling and Emergency Medical Information System
Tomar, Vikas	Poster #1265 presented 4/09 @ 10:30-11:30am	Marco Herbsommer†	Using THz spectroscopy to identify corrosive waste and plastics
Topaloudi, Apostolia	Poster #1721 presented 4/09 @ 1:30-2:30pm	Theoni Vlachos† Sophia Vlachos†	Pathway-based PRS PheWAS Analysis of Bipolar Disorder and Major Depressive Disorder.

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Mentor Name	Presentation	Students	Title
Torres Rivera, Gabriel Andres	Poster #1657 presented 4/09 @ 1:30-2:30pm	Katie-Jane Klembarsky†	Active Two Degree of Freedom Prosthetic Ankle
Torres-Arias, Santiago	Poster #1406 presented 4/09 @ 12:00-1:00pm	Ishaan Bajpai† Adithi Praveenkumar† Parth Doshi† Jonathan Oppenheimer† Julia Dolpies‡ Ivan Ni* Vaibhav Turaga*	SigStore: Enhancing Software Supply Chain Security
Tran, Khue	Poster #1483 presented 4/09 @ 12:00-1:00pm	Chaewon Oh† Samskrithi Sivakumar† Ridhi Tamirasa Kandala‡ Thomas Huss‡	Web Scraping to Assess Medication Safety
Trapp, Rebecca	Poster #1279 presented 4/09 @ 10:30-11:30am	Nathaniel Lindsay† Bonnie Cimack* Katie Tooley* Catherine Bell*	Visual exploratory behavior and dominance in European starlings (Sturnus vulgaris)
Trask, Sydney	Poster #1015 presented 4/09 @ 9:00-10:00am	Jaden Brooks†	Weak Shock Exposure Is Behaviorally Different From Extinction In Reducing Stress-Enhanced Fear
Tremblay, Marissa	Poster #1528 presented 4/09 @ 12:00-1:00pm	Cayden Woolery†	Using Crystal Sizes in Volcanic Rocks from the Deccan Traps Large Igneous Province to Determine Lava Cooling Rates
Troy, Cary	Poster #1127 presented 4/09 @ 9:00-10:00am	Sophia Ung†	Analyzing the Effect of Rising Water Levels in Lake Huron using High Resolution Multispectral imagery
Tsutsui, Waterloo	Poster #1219 presented 4/09 @ 10:30-11:30am	Jingyu Chen†	Demonstration of a fabrication method of carbon-fiber-reinforced composite honeycomb core and investigation of its properties.
Tsutsui, Waterloo	Talk #7036 presented 4/11 @ 12:20pm	Matthew Elliott† Ryan Seller† Simon Lin†	Investigation on the Impact of Target Surfaces in Relation to Rotorcraft Fuel Tank Drop Test Certification Processes.
Tukker, Anke	Poster #1241 presented 4/09 @ 10:30-11:30am	Mia Fleisher-de Kozant†	Effects of developmental methylmercury exposure on eIF2 signaling pathway in the presence of secondary stressors
Tukker, Anke	Poster #1505 presented 4/09 @ 12:00-1:00pm	Serena Shughoury†	Without a Trace: Investigating Residual Effects of Methylmercury on Neuronal Development
Tukker, Anke	Talk #7073 presented 4/11 @ 3:20pm	Madeleine Strom†	Developmental Exposure of Human Induced Pluripotent Stem Cell- derived Cortical Cultures to Methylmercury Induces Persistent Functional Effects
Upadhyaya, Pramey	Poster #1280 presented 4/09 @ 10:30-11:30am	Joseph Lopez† Caleb Suhy*	Quantum Metrology for New-Era Electronics
Uppgård, Alvin	Poster #1229 presented 4/09 @ 10:30-11:30am	Wyatt Crain†	Covalent Approximation for Dissociation Energies in Density Functional Theory

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Mentor Name	Presentation	Students	Title
Vanegas Torres, Adriana	Poster #1052 presented 4/09 @ 9:00-10:00am	Amirah Haweitt† Isabela Ramirez Ortiz*	Application of a Combination of Commercially Available Sanitizers in the Post-Harvest Control of Salmonella enterica serovar Typhimurium, E. coli O157:H7, and Listeria monocytogenes on Cantaloupe Rinds.
Varala, Kranthi	Poster #1071 presented 4/09 @ 9:00-10:00am	Rachel Kuhn† Kayleigh Jennings‡	Characterization of Candidate Transcription Factors in Arabidopsis Leaf and Seed Development
Veenstra, Jessica	Poster #1419 presented 4/09 @ 12:00-1:00pm	Camryn Clapper† Valeria Rodríguez‡	Investigating the Effects of Ferumoxytol and Radiation on Reactive Oxygen Species Production
Veenstra, Jessica	Poster #1701 presented 4/09 @ 1:30-2:30pm	Valeria Rodríguez† Camryn Clapper*	Exploring The Impact Of Ferumoxytol On Reactive Oxygen Species In Various Cell Types
Vega, Fernando	Virtual #9034 presented 4/09-4/16 virtually	Epiphany White†	Unraveling Defects in Hafnium-Zirconium Oxide
Veile, Amanda	Poster #1001 presented 4/09 @ 9:00-10:00am	Anahita Amirpour† Grace Turner* Amanda Veile*	Predictors and Outcomes of Migration in Rural and Urban Peruvian Indigenous Women
Veile, Amanda	Poster #1222 presented 4/09 @ 10:30-11:30am	Yu Chung† Sophie Mbongo‡	Discordance between preferred and actual complementary foods among rural Quechua mothers
Velay-Lizancos, Maria Miria	Poster #1451 presented 4/09 @ 12:00-1:00pm	Ali Kalmagambetov†	Effect of Nano-silica Admixtures on Air Void Content of Concrete Used for Bridges
Venkatesh, Vishnunandan	Poster #1641 presented 4/09 @ 1:30-2:30pm	Arjun Gupte†	Self-Evolutionary Large Language Models for Team Design and Task Allocation in Multi-Human Multi-Robot Teams
Vennard, Chris	Poster #1532 presented 4/09 @ 12:00-1:00pm	Irina Zhilinskaya† Evan Hanson‡	Synthesis and Evaluation of Fluorescent Chemical Probes for Utilization in High-throughput Screening
Vhaduri, Sudip	Poster #1046 presented 4/09 @ 9:00-10:00am	Samuel Gomez†	Do Pilot and Non-Pilot Trainees Perceive the Same Stress and Fatigue? A Detailed Group Comparison
Vhaduri, Sudip	Poster #1488 presented 4/09 @ 12:00-1:00pm	Rachel Pfeifer†	Toward Mitigating Biases in Biometric Data-driven Models
Villarreal, Cameron	Poster #1120 presented 4/09 @ 9:00-10:00am	Aavya Srivastava†	Longitudinal Assessment of Gait Dynamics in Mice
Villarreal, Cameron	Talk #7008 presented 4/11 @ 10:00am	Noah Jasinkiewicz† Sarah Staller‡	Exploring Gut Microbiome Interventions in Age-Related Osteoarthritis Progression: Insights from Mouse Model Studies
Villarreal, Ryan	Poster #1087 presented 4/09 @ 9:00-10:00am	Aidan McDonough†	Predicting Teamwork Performance in a Cooperative Virtual Reality Simulator through Physiological and Communication Analysis
Vincent, Kiruba Catherine	Poster #1645 presented 4/09 @ 1:30-2:30pm	Opal Heltzel†	Tin Alloying of Barium Zirconium Sulfide

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Mentor Name	Presentation	Students	Title
Viswanath, Hrishikesh	Talk #7080 presented 4/11 @ 4:00pm	Revanth Krishna Senthilkumaran† Mridu Prashanth†	ARTEMIS: AI-driven Robotic Triage Labeling and Emergency Medical Information System
Vlachos, Pavlos	Poster #1057 presented 4/09 @ 9:00-10:00am	Lourdes Ignacio† Selina Lin† Shreeya Ettireddy†	Automated Identification Method of Tissue Layer Boundary Lines in Images
Vlachos, Pavlos	Poster #1079 presented 4/09 @ 9:00-10:00am	Brianna Lewis† Alexis Hawkins† Claire Maurer†	Validation of a Theoretical Model for Optimized Autoinjector Parameters Through Rapid Testing
Vlachos, Pavlos	Talk #7031 presented 4/11 @ 12:40pm	Anika Mathur† Sohum Thadani†	Convolutional Neural Networks for Enhanced Subvisible Particle Analysis
Volkening, Alexandria	Poster #1700 presented 4/09 @ 1:30-2:30pm	Alexia Rodrigues† Joseph Crompt† Thanmaya Pattanashetty†	Forecasting the 2024 U.S. Elections using Mathematical Modeling
Waghmare, Dheeraj	Poster #1522 presented 4/09 @ 12:00-1:00pm	Vanessa Grace Uy† Sharma Kashish*	Widening Concrete Elements Using Chemical Anchoring Systems
Waghmare, Dheeraj	Poster #1708 presented 4/09 @ 1:30-2:30pm	Sharma Kashish† Vanessa Grace Uy*	Widening Reinforced Concrete Elements Using Chemical Anchoring Systems
Wagner, Kathleen	Talk #8009 presented 4/11 @ 1:00pm	Daniella Simon† Isabella Davis†	Choice of Classifier Handshape in Motion Predicates in ASL
Waltenburg, Eric	Poster #1525 presented 4/09 @ 12:00-1:00pm	Julia Weedent† Priyadevi McNamara†	Systematic Analysis of Appointing Party Preference of the Experiential Profiles of US Circuit Court Judges Over Time
Wang, Chih-Chun	Poster #1712 presented 4/09 @ 1:30-2:30pm	Daanish Suhail† Kshitij Shah† Jack Willard† Troy Maddent† Pryce Tharpet†	Beyond5G
Wang, Holly	Talk #7051 presented 4/11 @ 1:20pm	Jemima Baributsa†	What factors influence the willingness to pay and consumption frequency of different meats in Chinese consumers?
Wang, Jingkun	Poster #1133 presented 4/09 @ 9:00-10:00am	George Youssef†	Using Communication Patterns to Predict Team Performance
Wang, Keyu	Poster #1422 presented 4/09 @ 12:00-1:00pm	Aaron Du†	Electrodeposition in Through-Silicon Vias Using an Impinging Jet Electrode
Wang, Pengcheng	Poster #1321 presented 4/09 @ 10:30-11:30am	Christopher Tan†	AdaptPoint: Adaptive 3D Object Detection System for Embedded GPUs
Wang, Robert (Bebe)	Poster #1610 presented 4/09 @ 1:30-2:30pm	Daniel Berggren†	Literature Review of Rotating Detonation Engine (RDE) Diagnostics Methods
Wang, Ruiqi	Poster #1641 presented 4/09 @ 1:30-2:30pm	Arjun Gupta†	Self-Evolutionary Large Language Models for Team Design and Task Allocation in Multi-Human Multi-Robot Teams
Wang, Sijie	Poster #1656 presented 4/09 @ 1:30-2:30pm	Sam King† Gabby Conjelko‡	Developing a Selective Irreversible Peptidic Inhibitor for CBX2
Ware, Jason	Talk #7026 presented 4/11 @ 11:00am	Casey Kaufman†	The Well-being of Habitat for Humanity's Partner Families

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Mentor Name	Presentation	Students	Title
Warsinger, David	Poster #1310 presented 4/09 @ 10:30-11:30am	Ryan San Juan†	Constructing a Membrane Based Dehumidification System: Gathering Key Components
Warsinger, David	Talk #7075 presented 4/11 @ 4:00pm	Jackie De Leont†	Water Quality Assessment of Air Conditioning Condensate for Onsite Use
Warsinger, David	Virtual #9024 presented 4/09-4/16 virtually	Sohan Pramanik†	Acoustic/photocatalytic air purification systems for HVAC applications
Wasserman, Adam	Poster #1229 presented 4/09 @ 10:30-11:30am	Wyatt Crain†	Covalent Approximation for Dissociation Energies in Density Functional Theory
Wat, Jacob	Talk #7081 presented 4/11 @ 4:20pm	Sarah Alvarez† Sajal Salim*	Exploring Protein-bound Chlorophyll a's Vibrational Spectrum at Room Temperature Through Microsampling and Isotope Substitution
Watson, Ben	Poster #1077 presented 4/09 @ 9:00-10:00am	Sydney Leohr†	Activation of the Unfolded Protein Response by VceC
Wei, Tiwei	Poster #1422 presented 4/09 @ 12:00-1:00pm	Aaron Du†	Electrodeposition in Through-Silicon Vias Using an Impinging Jet Electrode
Weibel, Justin	Poster #1113 presented 4/09 @ 9:00-10:00am	Jonathan Ryan†	2D Topology Optimization with Genetic Algorithms
Weibel, Justin	Poster #1323 presented 4/09 @ 10:30-11:30am	Austin Throckmorton†	Temperature-Controlled Transition Boiling at the Stagnation Zone during Submerged Jet Impingement of a Dielectric Fluid
Weigand, Miranda	Poster #1516 presented 4/09 @ 12:00-1:00pm	Erik Sveent†	Facilitating Enzyme Deposition for Imaging of N-linked glycans using a Mini-humidifier
Wells, Ellen	Poster #1004 presented 4/09 @ 9:00-10:00am	Hannah Bard† Perry Curtis* Tamia Austin*	Understanding The Rural Environmental Health Landscape: Exploring The Link Between Lead, Arsenic, And Chromium Exposure And Cancer Rates In Hartford City, Indiana
Wells, Ellen	Poster #1206 presented 4/09 @ 10:30-11:30am	Tamia Austin†	Exploration of the intersection of Mental Health & Demographic Factors in Hartford City, IN
Wells, Ellen	Poster #1231 presented 4/09 @ 10:30-11:30am	Perry Curtis† Hannah Bard* Tamia Austin*	Investigation of Occupational Exposure to Heavy Metals and Pesticides, Potential Risk Factors for Parkinson's Disease
Wells, Ellen	Poster #1292 presented 4/09 @ 10:30-11:30am	Nicholas Mitchell†	Determination of Superfund Sites Near Historical Residences Among Current Hartford City Residents
Welp, Lisa	Poster #1066 presented 4/09 @ 9:00-10:00am	Bethany Kettleborough†	Influence of soil properties and land management on rainwater infiltration and soil water chemistry
Welp, Lisa	Poster #1212 presented 4/09 @ 10:30-11:30am	Meghan Brown†	Water vapor stable isotope interactions with common air sampling tubing materials

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Mentor Name	Presentation	Students	Title
Wereley, Steve	Poster #1421 presented 4/09 @ 12:00-1:00pm	Abhigyan Doshi†	Creating specialised data sets for particle detection in microfluidic images
West, Moon	Virtual #9008 presented 4/09-4/16 virtually	Maelyn Fulton†	Angelman and Fragile X Syndromes – Early Sleep Patterns
Westermarck, Jukka	Poster #1624 presented 4/09 @ 1:30-2:30pm	Sydney Clifford†	Unraveling the Mechanism for Decreased Mouse Survival in a Novel Pancreatic Cancer Model with PP2A-B56a Activation
Wettschurack, Kyle	Poster #1331 presented 4/09 @ 10:30-11:30am	Benjamin Zirkle†	Quantification of Sodium Flux in the Hyperexcitable Nav1.2-L1342P Mutation via Single-Channel Voltage Gated Patch-Clamp Electrophysiology in HEK293 cells.
White, Jerod	Talk #7046 presented 4/11 @ 1:40pm	Leland Huey†	Latent Learning Trends Using AI and VR
Whittinghill, David	Virtual #9035 presented 4/09-4/16 virtually	Lilian Zhao†	Modeling Energy Flow in Social-Ecological Systems
Wiese, Lucas	Talk #7001 presented 4/11 @ 9:40am	Parth Joshi†	Teaching Applied Ethics in the context of Artificial Intelligence to Facilitate Peer Discourse
Wilbanks, Lauren	Poster #1333 presented 4/09 @ 10:30-11:30am	Caroline Zu†	Chemical synthesis of building blocks to access γ -Butyrolactones from <i>Streptomyces</i> species
Wildridge, Andrew	Poster #1088 presented 4/09 @ 9:00-10:00am	Karrick McGinty† Mason Giacchetti* Travis Hastreiter*	Finding the Sensitivity of Detecting Toponium at the LHC
Wilhelm, Alexander	Poster #1529 presented 4/09 @ 12:00-1:00pm	Madeleine Yang† Enice Zhu† Maggie Collins†	Evaluating Big Tech’s “Commitment” to Human Rights
Will, Melissa	Talk #7066 presented 4/11 @ 3:00pm	Annelise May†	The International Congress of Women and Transnational Advocacy Networks
Williams, Mark	Poster #1101 presented 4/09 @ 9:00-10:00am	Emileo Peralta†	The effects of total nitrogen and total phosphorus on amphibian disease
Wilson, Blake	Poster #1008 presented 4/09 @ 9:00-10:00am	Michael Bezick† Veal Iyer†	Applications of Variational Neural Annealing for Machine Learning-Assisted Topological Optimization
Wilson, Blake	Poster #1282 presented 4/09 @ 10:30-11:30am	Rohan Malavathu†	NanoMCMC and Polytensor
Wilson, Blake	Poster #1621 presented 4/09 @ 1:30-2:30pm	Geetika Chitturi† Trang Do†	Machine learning-assisted rapid clustering and mechanism exploration of single photon emitters
Wilson, Blake	Poster #1717 presented 4/09 @ 1:30-2:30pm	Sarthak Tandon† Advay Welling†	Discrete, Tunable Wavefront Engineering using Binary Quadratic Optimization
Wilson, Blake	Virtual #9033 presented 4/09-4/16 virtually	Advay Welling† Sarthak Tandon*	Computational Electromagnetics and Green’s Function Source Optimization of Variational Quantum Algorithms

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Wolf, Patricia	Poster #1311 presented 4/09 @ 10:30-11:30am	Kali Sayovitz†	Developing a Dual Enzyme Spectrophotometric Assay to Quantify Hydrogen Sulfide Production by Recombinant Tryptophanase
Won, You-Yeon	Poster #1126 presented 4/09 @ 9:00-10:00am	Calla Tucker†	Understanding PS-PEG-OH Polymer Spreading Dynamics at the Air-Water Interface
Wu, Joy	Talk #7082 presented 4/11 @ 4:40pm	Alex Alonzo†	Cellular Activation is Sensitive to Abundance and Distribution of Rare Lipids
Wu, Wenzhuo	Poster #1118 presented 4/09 @ 9:00-10:00am	Richard Silvester† Aadi Jangid† Alejandra De la Torre Garcia† Aarohi Panzade‡ Philip Liu‡ Pavan Sathengeri‡ Katelin Mcalli Rainey‡ Ji Yeon Lee‡	Speech recognition in Aphasia Patients through Self-Powered Wearable Sensors
Wu, Wenzhuo	Poster #1485 presented 4/09 @ 12:00-1:00pm	Abigail Origert†	Circuit design of self-powered wearable sensors: A proof of concept with a cardiovascular triboelectric sensor
Xia, Li	Poster #1425 presented 4/09 @ 12:00-1:00pm	Jacob Eyster†	Oral Nicotine Pouches Induce Cellular Toxicity in Human Primary Oral Keratinocytes
Xin, Yan Ping	Talk #7062 presented 4/11 @ 2:20pm	Nicholas Cline†	A Metanalysis over Autism Spectrum Disorder and Math Word Problem Intervention
Yang, Danzhou	Poster #1484 presented 4/09 @ 12:00-1:00pm	Rio Ohtake†	Testing Cytotoxicity of MYC G4 Targeting Indenoisoquinolines in Cancer Cell Lines using MTS IC50 assay
Yang, Dongseok	Poster #1503 presented 4/09 @ 12:00-1:00pm	Chi Hun Shin†	Image Analysis of Irrigated Crops
Yang, Guang	Poster #1284 presented 4/09 @ 10:30-11:30am	Mia Martinez† Paige Davis‡	Chemical Conjugation Method for Enhanced Diacylglycerol Multiple Reaction Monitoring Profiling
Yang, Yang	Poster #1302 presented 4/09 @ 10:30-11:30am	Rineet Ranga† Akila Abeyaratna‡	Evaluation of ketamine's prosocial effects in SCN2A-deficient mice
Yang, Yang	Poster #1312 presented 4/09 @ 10:30-11:30am	Vinayak Shankar†	Understanding the Dynamics Between the SCN2A Mutation L1342P and Axon Initial Segment Morphogenesis in Developing Neurons
Yang, Yang	Poster #1331 presented 4/09 @ 10:30-11:30am	Benjamin Zirkle†	Quantification of Sodium Flux in the Hyperexcitable Nav1.2-L1342P Mutation via Single-Channel Voltage Gated Patch-Clamp Electrophysiology in HEK293 cells.
Yang, Yang	Poster #1459 presented 4/09 @ 12:00-1:00pm	Arnav Kumar†	Creating animal models with SCN2A Knockout in specific neurons: A Breeding Scheme Approach

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Mentor Name	Presentation	Students	Title
Yang, Yang	Poster #1468 presented 4/09 @ 12:00-1:00pm	Kathryn Lund†	Evaluation of doxycycline controlled exogenous expression of human Kv1.1 to recover social deficits in transgenic mice with severe Nav1.2 deficiency
Yang, Yang	Poster #1600 presented 4/09 @ 1:30-2:30pm	Akila Abeyaratna† Rineet Ranga‡	Investigating the Effects of Chemogenetic Manipulation of the Lateral Habenula (LHb) on Social Behavior in Scn2a-Deficient Mice
Yang, Yang	Talk #7057 presented 4/11 @ 2:20pm	Hope Harlow†	Examining Neuron Density in human-derived Cortical Organoids Carrying Epilepsy-Related SCN2A Mutation L1342P
Yao, Yao	Poster #1088 presented 4/09 @ 9:00-10:00am	Karrick McGinty† Mason Giacchetti* Travis Hastreiter*	Finding the Sensitivity of Detecting Toponium at the LHC
Yao, Yao	Poster #1680 presented 4/09 @ 1:30-2:30pm	Wyatt Montgomery†	Comparing the reconstruction methods of the top quark in hadron collisions
Yoshida, Kyoko	Talk #7064 presented 4/11 @ 3:20pm	Sarah Grev†	An in vivo assessment of cardiac remodeling during chronic hypertension in pregnancy
Yu, Denny	Poster #1067 presented 4/09 @ 9:00-10:00am	Julie Kim†	Statistical Analysis of Wearable IMUs in Warehouse-like Environment
Yu, Denny	Poster #1087 presented 4/09 @ 9:00-10:00am	Aidan McDonough†	Predicting Teamwork Performance in a Cooperative Virtual Reality Simulator through Physiological and Communication Analysis
Yu, Denny	Poster #1133 presented 4/09 @ 9:00-10:00am	George Youssef†	Using Communication Patterns to Predict Team Performance
Yu, Denny	Poster #1714 presented 4/09 @ 1:30-2:30pm	Maheen Syed†	Machine Learning-based assessment of surgeons' non-technical skills
Yu, Li	Poster #1093 presented 4/09 @ 9:00-10:00am	Hannah Murawski†	Adolescent schooling experience during the covid-19 pandemic, anxiety, and cortisol levels: the mediating role of media use
Yuile, Amanda	Poster #1286 presented 4/09 @ 10:30-11:30am	Kathryn McGregor† Ellen Densmore* Madison Miller* Katelyn Decker*	Semantic Feature Category's Impact on Early Word Learning
Yun, Kristen Yeon-Ji	Poster #1064 presented 4/09 @ 9:00-10:00am	Temirlan Karataev† Tim Nadolsky† Calvin Tseng† Caasi Boakye† Shrish Senthilkumar† Ping-Hung Ko† Rixin Chen† Minsoo Oh†	Artificial Intelligence Technology for Future Music Performers "Companion"
Yun, Kristen Yeon-Ji	Poster #1119 presented 4/09 @ 9:00-10:00am	Chiho Song† Vir Toshniwal† Ruby Woudneh† Kareena Patel‡ Haichang Lu‡ Tim Nadolsky‡	Mus2Vid

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Mentor Name	Presentation	Students	Title
Yun, Kristen Yeon-Ji	Poster #1500 presented 4/09 @ 12:00-1:00pm	Tanishaa Shah† Cheng-Hao (Ryan) Chen* Samantha Sudhoff* Cole Scheidler* Yu-Hsu (Josh) Chang* Sai Meda*	Artificial Intelligence in Music: Robot plays Cello
Yun, Kristen Yeon-Ji	Poster #1606 presented 4/09 @ 1:30-2:30pm	Gurtej Bagga† Shrinand Perumal† Anthony Wang† Brian Qi† Josh Kamphuis*	Artificial Intelligence in Music - Evaluator
Zakharov, Sergey	Poster #1431 presented 4/09 @ 12:00-1:00pm	Yunfei Gao† Carson Denoo† Chuan-Chen Ko†	ZS project
Zakharov, Wei	Poster #1447 presented 4/09 @ 12:00-1:00pm	Vinay Jagant† Colby Actont† Gaetano Iannotta‡ YiRuei Weng‡ Shreyas Khot‡ Aditi Anand‡ Nathan Huang‡ Annapoorna Prabhu‡ Ruth Sugiarto‡ Vihaan Chinthakindi‡ Rahul Siddharth‡ Wei-Cheng Lee‡ Yuren Chen‡ Saisravani Kuchibhotla‡ Pranav Konda‡ Jiefu	Research Infrastructures for Vision-Based Autonomous UAVs
Zhang, Jingliang	Poster #1468 presented 4/09 @ 12:00-1:00pm	Kathryn Lund†	Evaluation of doxycycline controlled exogenous expression of human Kv1.1 to recover social deficits in transgenic mice with severe Nav1.2 deficiency
Zhang, Lujuan	Talk #7077 presented 4/11 @ 4:40pm	Joshua Sexton†	Engineered Collagen Polymeric Materials Maintain Tissue Volume and Support Regenerative Remodeling after Volumetric Muscle Loss
Zhao, Kejie	Poster #1450 presented 4/09 @ 12:00-1:00pm	Lillian Ji†	Lithium batteries for smart windows
Zheng, Wei	Poster #1650 presented 4/09 @ 1:30-2:30pm	Vivian Hurn†	Contribution of the choroid plexus on Alzheimer's disease and neurodegenerative diseases
Zhou, Guoyang	Poster #1067 presented 4/09 @ 9:00-10:00am	Julie Kim†	Statistical Analysis of Wearable IMUs in Warehouse-like Environment
Zhou, Xiang	Poster #1307 presented 4/09 @ 10:30-11:30am	Mia Rodriguez†	Customers' Experiences of Racial Discrimination at Southern Waffle Houses
Zhou, Zhi	Poster #1103 presented 4/09 @ 9:00-10:00am	Giulio Pettenati†	Microbial Growth in Point-of-Use Water Filtration Systems
Zhou, Zhi	Poster #1211 presented 4/09 @ 10:30-11:30am	Alexandra Britto† Kayla Osen‡	Remote Sensing of Water Quality

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Zhu, Jie	Poster #1531 presented 4/09 @ 12:00-1:00pm	Kevin Yu†	New Materials for Accelerated and Eco-Friendly Photonic Integrated Circuits
Zhu, Jie	Poster #1611 presented 4/09 @ 1:30-2:30pm	Spencer Bowles† Vidisha Singhal†	Efficient simulation of degenerate optical parametric oscillator networks for combinatorial optimization
Zigan, Clarisse	Poster #1673 presented 4/09 @ 1:30-2:30pm	Allison Matovic† Sanjana Muniraj*	The Effects of Lactobacillus Casei and Streptococcus Mitis on Sulfated Glycosaminoglycan Content and RNA Expression in Chondrocytes
Ziliak, Meredith	Poster #1263 presented 4/09 @ 10:30-11:30am	Audrey Harrison†	Effect of Small Arms Fire on Simple and Complex Auditory Processing
Ziliak, Meredith	Poster #1288 presented 4/09 @ 10:30-11:30am	Valentina Micolisin† Emily Bell‡ Andy Navarro‡	Examination of Sex Differences in Click Auditory Brainstem Recordings and Auditory Thresholds Following Small Arms Fire-Like Noise Exposure
Ziliak, Meredith	Poster #1408 presented 4/09 @ 12:00-1:00pm	Emily Bell† Andy Navarro‡	Effect of ketamine-dexdomitor anesthesia on outer hair cells following small arms fire-like noise exposure
Ziliak, Meredith	Poster #1684 presented 4/09 @ 1:30-2:30pm	Andy Navarro† Emily Bell‡	Cochlear Hair Cell Integrity Across Frequencies Following Exposure to Small Arms Fire-Like Noise
Ziliak, Meredith	Poster #1699 presented 4/09 @ 1:30-2:30pm	Paula Rivera Carrasquillo† Audrey Harrison* Emily Bell* Andy Navarro* Morgan DesEnfants* Sahil Desai* Anushka Shome* Valentina Micolisin*	Sexual Dimorphism in Subcortical Auditory Pathways: Investigating Sex-Specific, Long-Term Consequences of Damaging Noise Exposure
Ziolkowski, Rebecca	Poster #1454 presented 4/09 @ 12:00-1:00pm	Jillian Kelley†	Impact of COVID-19 Rapid Testing on a Homeless Services Organization
Zoltowski, Carla	Poster #1308 presented 4/09 @ 10:30-11:30am	Avigdor Roytman† Ashwin Sreedhar† Abhiram Nambiart† Chris Sigmund† Kris Gurung†	Generating Realistic Faces using Techniques involving Generative Adversarial Networks
Zoltowski, Carla	Poster #1452 presented 4/09 @ 12:00-1:00pm	Gunvanth Reddy Kandula† Ilan Benschikovski† Kyung Min Ko† Ishaan Rath† Kanav Atre† Udayan Pandey†	Pedestrian Detection for Behavior Analysis during COVID Pandemic
Zoltowski, Carla	Poster #1471 presented 4/09 @ 12:00-1:00pm	Nicholas Martel† Tom O'Donnell† Thomas Greer† Yash Mehta‡	RoboMaster Auto-Aim System Tuning
Zoltowski, Carla	Poster #1512 presented 4/09 @ 12:00-1:00pm	William Stevens† Vishal Urs† Karthik Selvaraj† Gabriel Torres† Gaurish Laxhanpal†	Enhancing Autonomous Vehicle Perception: A Transformer-Based Approach for Aerial Road Representation

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Zoltowski, Carla	Poster #1602 presented 4/09 @ 1:30-2:30pm	Teja Akella† Divya Manvikar† Laasya Thiagarajan† Ishank Shekhar†	Brain Tumor Detection
Zoltowski, Carla	Poster #1655 presented 4/09 @ 1:30-2:30pm	Chaeun Kim† Nikhita Anantha Madhavan† Joseph Huang† Shivam Rastogi† Emily Loiset†	Resistor Identification Android Application