

Graduate Research Symposium

February 28, 2024

Student Center Second Floor

5221 Gullen Mall, Detroit, MI 48201

Event agenda

7:30 am	Doors open <i>Student Center</i>
8:00-8:30 am	Breakfast <i>Hallway</i>
8:30-8:45 am	Opening remarks Amanda Bryant-Friedrich, Graduate School Dean Laurie Lauzon Clabo, Acting Provost <i>Ballroom</i>
8:45-9:00 am	Morning presenters set up posters <i>Ballroom</i>
9:00-10:30 am	Morning poster presentations <i>Ballroom</i>
10:30-10:45 am	Coffee break <i>Hilberry</i>
10:45-12:15 am	Morning platform talks <i>Room 285</i>
12:15-1:15 pm	Lunch <i>Hilberry</i>
1:15-2:45 pm	Afternoon platform talks <i>Room 285</i>
2:00-2:45 pm	Session 2 presenters set up posters <i>Ballroom</i>
2:45-3:00 pm	Coffee break <i>Hilberry</i>
3:00-4:30 pm	Session 2 poster presentations <i>Ballroom</i>
4:30-4:45 pm	Refreshments <i>Hilberry</i>
4:45-5:45 pm	Three-Minute Thesis Competition <i>Hilberry</i>
5:45-6:00 pm	Awards ceremony <i>Hilberry</i>
6:00-6:30 pm	Networking reception <i>Hallway</i>

MORNING POSTER PRESENTATIONS
(all researchers with last names beginning with A – Me)

1. A. Corso-Gonzales, Ryan

Abstract title: “Debunking ‘Debunked’: Ben Shapiro’s spectacle of neoliberal whiteness.”

Communication

2. Abdulsalam, Hawau

Abstract title: “Design and development of sulfated aminoglycosides for heparanase inhibition.”

Chemistry

3. Abou Halloun, Jihan

Abstract title: “Practical control laws with quantum computation.”

Chemical engineering and material sciences

4. Adebayo, Daniel

Abstract title: “The role of Mdm1 in regulating sphingolipid synthesis: Implications for aging.”

Biological sciences

5. Akhlaq, Asra

Abstract title: “Diet and insulin signaling promote oocyte health and fertilization in *Caenorhabditis elegans*.”

Biological sciences

6. Akkarakaran Francis Leonard, Fnu

Abstract title: “Cybersecurity, image-based control, process design and instrumentation selection.”

Chemical engineering and material sciences

7. Akpo, Margaret Sena

Abstract title: “Investigating the roles of self-avoidance cell adhesion molecules in muller glia morphology.”

Anatomy and cell biology

8. Al-Homoudi, Abdullah

Abstract title: “Shaping antiviral strategies with potent and selective non-covalent SARS-CoV-2 papain-like protease inhibitors.”

Biochemistry, microbiology, and immunology

9. Alshammari, Eid

Abstract title: “Structural basis and mechanism of regulation of USP10.”

Biochemistry, microbiology, and immunology

10. Amarasinghe, Anjalie

Abstract title: “Investigating the intersection of SIN3 metabolic gene regulation and metabolic stress on *Drosophila*.”

Biological sciences

11. Amoo, Folake

Abstract title: “Transition metal antimonides for magnetic refrigeration.”

Chemistry

12. Anderson, Amber

Abstract title: “Dress to impress? Examining the effect of uniforms on student outcomes.”

Sociology

- 13. Baiden, Isaac**
Abstract title: “Loop diuretic resistance in a mouse model of cardiorenal syndrome.”
Physiology
- 14. Bannoura, Sahar**
Abstract title: “Regulating the regulator: RCC1 as a novel therapeutic target in pancreatic ductal adenocarcinoma.”
Oncology
- 15. Bhatti, Sundus**
Abstract title: “Brownfield projects in Detroit.”
Urban studies and planning
- 16. Bozeman, Christian**
Abstract title: “Claude McKay and the Workers' Dreadnought.”
History
- 17. Cakmak, Furkan**
Abstract title: “Response of UHPC flat plates to perpendicular axisymmetric concentrated loads.”
Civil and environmental engineering
- 18. Carey, Rachel**
Abstract title: “Socioeconomic status and delayed recall in a primarily Black sample: potential mediators and moderator.”
Psychology
- 19. Carthage, Justin**
Abstract title: “Chronic toluene exposure leads to increased locomotor activity in mice.”
Psychology
- 20. Chawota, Takudzwa**
Abstract title: “The impact of social connection preference behaviors on employee attitudes, behaviors and intentions.”
Psychology
- 21. Chek, Carmen**
Abstract title: “Affect intensity moderates the relationship between familiarity and memory for facial emotion.”
Psychology
- 22. Cook, D’Arcy**
Abstract title: “Behind closed doors: the Detroit incinerator, who knew what and when?”
History
- 23. Dabaja, Mohamed**
Abstract title: “How sensory neurons modulate oogenesis onset and oocyte fertilization in *C. elegans*.”
Biological sciences
- 24. Davis, Eric**
Abstract title: “Mass spectrometry combined with kinase-catalyzed crosslinking to study the phosphorylation-dependent.”
Chemistry
- 25. Denison, Maddy**
Abstract title: “Inactivation of cysteine cathepsins by Ru(II) photosensitizer.”
Chemistry

- 26. Dennaoui, Rayane**
Abstract title: “Cooperative functions of cytokine signaling through JAK1 and JAK2 in orchestrating postnatal mammary.”
Oncology
- 27. Dharmadasa, Chamod**
Abstract title: “Thermal ALD deposition of Er oxide thin film using a novel ALD Er precursor.”
Chemistry
- 28. Dorandish, Sadaf**
Abstract title: “Safety and efficacy of nanolipid encapsulated CD40 agonist antibody against pancreatic cancer.”
Applied health sciences
- 29. Dutta, Meghna**
Abstract title: “The good, the bad, and the evil: a content analysis on witch-hunting as a gendered phenomenon in Assam, India.”
Sociology
- 30. Eichstaedt, Jillian**
Abstract title: “1H fMRS demonstrates dACC glutamate modulation during inhibitory control may predict weight loss.”
Psychiatry and behavioral neuroscience
- 31. Eringros, Nika**
Abstract title: “The association of sleep quality with affect intensity and attention after traumatic brain injury.”
Psychology
- 32. Faehner, David**
Abstract title: “Tocqueville and the moral foundations of liberal democracy.”
Political science
- 33. Faiaz, Abrar Nur E.**
Abstract title: “Harnessing the potential of phi-bits: a step towards quantum-inspired computing.”
Mechanical engineering
- 34. Flynn, Michael**
Abstract title: “Role of the cell-surface serine protease matriptase in corneal epithelial homeostasis and repair.”
Pharmacology
- 35. Fnu, Komal**
Abstract title: “Development of small-molecule SOS1 inhibitor suppressing KRAS-driven cancers.”
Pharmacy
- 36. Furlow, Olivia**
Abstract title: “A prison to higher ed pipeline: the Education Transition Coordination Program.”
Sociology
- 37. Ganesh, Sanjeev**
Abstract title: “Role of ZFH3 in endometrial cancer progression.”
Oncology
- 38. Goldman, Jennifer**

Abstract title: “Factors influencing state-level abortion legislation.”
Political science

39. Goldson, Aliyah

Abstract title: “Innate metabolic profiles are not correlated with variation in the exploratory behavior of zebrafish.”
Biological sciences

40. Goyal, Tushar

Abstract title: “High-temperature n-heptane autoignition-assisted flame measurements and numerical study.”
Mechanical engineering

41. Guha, Udayan

Abstract title: “Understanding the mechanism driving the interaction between ICPO and ND10 complex in HSV-1 infection.”
Biological sciences

42. Haas, Liz

Abstract title: “Sexual orientation and its association with anal pleasure among women.”
Social work

43. Hakim, Lena

Abstract title: “Empowering student writers through application of the Hakawati tradition in curriculum.”
English

44. Hasse, Timothy

Abstract title: “Mechanistic insights into ligand dissociation from the SARS-CoV-2 spike glycoprotein.”
Physics and astronomy

45. Heldman, Samantha

Abstract title: “Exposure to liquid crystal monomer mixtures impacts zebrafish behavior, metabolism, and adiposity.”
Pharmacology

46. Hill, LaKenya

Abstract title: “Exploring the medical experiences of Black women during the perinatal period using sista circles.”
Theoretical and behavioral foundations

47. Hinchey, Liza

Abstract title: “Cortisol response to stress following trauma: a study of event centrality and sex-specific dynamics.”
Theoretical and behavioral foundations

48. Hotor, Michael

Abstract title: “Design and synthesis of aminoglycoside-based heparan sulfate mimetics as heparanase inhibitors.”
Chemistry

49. Islam, Radia

Abstract title: “The effects of highly recommended geriatric drugs on Alzheimer's β -amyloid aggregation.”
Medicine

50. Jabbar Shah, Syed

Abstract title: “Clash relevance prediction to enhance BIM design coordination using artificial intelligence.”

Civil and environmental engineering

51. Jeffrey, Teresa

Abstract title: “Driving magnetization dynamics within antiferromagnets using circularly polarized terahertz light.”

Physics and astronomy

52. Joshi, Yogesh

Abstract title: “Inhibiting innate immune activation improves Drosophila model of Vps13D-associated neurodegeneration.”

Anatomy and cell biology

53. Kasturi Rangan, Keshav

Abstract title: “Advances in next-generation cyber-physical systems: cybersecurity, quantum computing.”

Chemical engineering and materials science

54. Khalid, Sonia

Abstract title: “Chronic intermittent gestational morphine use impairs mouse maternal behavior development.”

Psychiatry and behavioral neurosciences

55. Khanal, Bedan

Abstract title: “Traffic conflicts as surrogate measure of highway safety: an analysis using video analytics method.”

Civil and environmental engineering

56. Kola, Megi

Abstract title: “Roles of photoreceptors and melanopsin ganglion cells in pupillary light reflex evoked by different.”

Physiology

57. Kushwaha, Narvadeshwar

Abstract title: “Discovery and development of potent and selective ku-targeted DNA-PK inhibitors for cancer therapy.”

Pharmacy

58. Ladanyi, Heather

Abstract title: “Older adults’ mindful reflections on perceived Health-Related quality of life.”

Kinesiology, health and sport studies

59. Leavings, Chloe

Abstract title: “Talkin' bout mama: identity safety cues in obstetric settings to reduce Black maternal mortality.”

English

60. Lotvola, Aaron

Abstract title: “c-Myc is downregulated by ABHD5 in prostate cancer cells.”

Oncology

61. Mahmood, Kazi Tahsin

Abstract title: “Elastic bits and berry phases: investigating topological phenomena in a classical granular network.”

Mechanical engineering

62. Mahn, Jennifer

Abstract title: “Restorative leadership in nonprofit management.”

Political science

63. Malin, Evan

Abstract title: “Biological analysis of potent USP10 inhibitors for the treatment of AML and NSCLC.”

Pharmacy

64. Mallika Arachchilage Dona, Kaveendya

Abstract title: “BR-bodies in Sinorhizobium meliloti are Critical for plant root colonization and symbiosis.”

Biological sciences

65. Maxwell, DruAnne

Abstract title: “Mixtures of per- and polyfluorinated substances (PFAS) alter sperm methylome in adult male mice.”

Physiology

66. Maxwell, Anthony

Abstract title: “Impact of maternal benzene exposure of fetal lung T cells.”

Physiology

67. Meade, Marcus

Abstract title: “This is not for us: an analysis of Black male archetypes in the television series ‘This is Us’.”

Communication

MORNING PLATFORM TALKS

1. Elhajjaji, Ziad

Abstract title: “Assessing novel orthostatic vital signs with a wearable sensor.”
Electrical and computer engineering

2. Gonzales, Aaron

Abstract title: “Topographical effects on astrocyte behavior.”
Chemical engineering and materials science

3. Singh, Harman

Abstract title: “Paleo-games.”
Computer science

4. Arnold, Maddox

Abstract title: “Gender through genre: the use of literary genre to depict a transgender journey.”
Classical modern languages, literatures and cultures

5. Brown, Dionna

Abstract title: “Understanding public attitudes on government action amidst the climate crisis.”
Sociology

6. Saha, Tamalika

Abstract title: “Occurrence of pesticides in urban soils in Metro Detroit.”
Environmental science and geology

7. Shulman, Aimee

Abstract title: “‘Civilized’ captives, ‘savage’ narratives: captivity narratives and Native American displacement.”
History

8. Sochocki, Rachel

Abstract title: “Uncontrolled eating differentiates weight loss maintainers from regainers.”
Nutrition and food science

AFTERNOON PLATFORM TALKS

1. Akcasu, Nora

Abstract title: “Qualitative analysis of cost concerns and financial barriers for people with cancer.”
Family medicine and public health sciences

2. Buchanan, Courteney

Abstract title: “Promotions are too much work: an employee-centric approach to promotion decline.”
Business

3. Hosanna, Fukuzawa

Abstract title: “From photos to phantasmagrams: feeling the degenerate future in twentieth-century Japan.”
Social work

4. Harrison, Desiree

Abstract title: “Disrupting barriers: exploring preservice teacher agency development in teaching mathematics.”
Teacher education

5. Loetzner, Franziska

Abstract title: “Exploring health-related physical fitness in elite-level Special Olympics Unified Sports.”
Kinesiology, health and sport studies

6. Nguyen, Annie

Abstract title: “Gestational benzene exposure leads to sexually dimorphic adaptations along the placenta-brain axis.”
Psychiatry and behavioral neurosciences

7. Porter, Alexandra

Abstract title: “Constructing Instagram’s ideal woman user: a critical discourse analysis of New York Times coverage.”
Communication

8. VanNostrand, Michael

Abstract title: “Exploring perceptions of physical activity in individuals newly diagnosed with multiple sclerosis.”
Pharmacy and health sciences

9. Zakaria, Muhammad

Abstract title: “Determinants of patients' satisfaction in medical consultations in Bangladesh.”
Communication

AFTERNOON POSTER PRESENTATIONS
(all researchers with last names beginning with Med – Z)

1. Medagedara, Hasini

Abstract title: “A fundamental insight into B state exciton delocalization in acetylene-bridged Zn porphyrin dimers.”

Chemistry

2. Miller, Samantha

Abstract title: “A longitudinal health promotion program for children on the autism spectrum and their caregivers.”

Kinesiology, health and sport studies

3. Miller, Jake

Abstract title: “Understanding supermassive black hole accretion disks using remote robotic observatories.”

Physics and astronomy

4. Moazzeni, Alireza

Abstract title: “Enhancing RRAM device performance: a design of experiments (DOE) approach.”

Electrical and computer engineering

5. Monaghan, Patrick

Abstract title: “Assessing the reliability of the step test evaluation of performance on stairs in multiple sclerosis.”

Health care sciences

6. Moutard, David

Abstract title: “Verifying and analyzing ultra-compact systems.”

Physics and astronomy

7. Muczynski, Michael

Abstract title: “Biochemical and structural characterization of second-generation inhibitors targeting the SARS-CoV-2 3CLprotease.”

Biochemistry and molecular biology

8. Mulbauer, Greta

Abstract title: “C2C12 myoblast culture in hyaluronic acid & dECM-based hollow fibers for skeletal muscle regeneration.”

Biomedical engineering

9. Nagarajan, Sudhan

Abstract title: “Cost-effective and fast charging Li-ion battery design free from critical raw materials.”

Mechanical engineering

10. Naqvi, Danial

Abstract title: “Biochemical diversity amongst calyx only afferents in the vestibular nuclear complex.”

Anatomy and cell biology

11. Nieman, Kip

Abstract title: “Considerations of control on quantum computers using a modified grover’s algorithm.”

Chemical engineering and materials science

12. Nosanchuk, Lolo Katz

Abstract title: “Collaborative practices and the art market.”

13. Nowak, Karolina

Abstract title: “Single-cell RNA sequencing of PFAS exposed mice testes – preliminary study.”
Biochemistry and molecular biology

14. Nuppau, Mark

Abstract title: “Cultural algorithm guided evolution of dense blocks with attention for CheXpert.”
Computer science

15. Nwanelo, Valentine

Abstract title: “Transcriptional activation of progesterone receptor (PR) is modulated by histone deacetylase 7.”
Chemistry

16. Odewale, Elizabeth

Abstract title: “Assessing cooperativity in collective molecular light absorption under cavity polariton formation.”
Chemistry

17. Osama, Muhammad

Abstract title: “Breakup regimes of the long-time dynamics of a finite-size air filament in a dense fluid.”
Mechanical engineering

18. Ostrom, Kate

Abstract title: “‘The desert clings to us’: tracing borderscapes through the U.S.-Mexico middle place.”
Classical and modern languages, literatures and cultures

19. Oyewumi, Tolulope

Abstract title: “The study of human histidine kinase substrates via kinase-catalyzed biotinylation.”
Chemistry

20. Pall, Ashley

Abstract title: “The characterization of iron targeting drugs in treating Friedreich's ataxia.”
Pharmacy

21. Pangeni, Susheel

Abstract title: “Myo16a is a slow ATPase motor.”
Physics and astronomy

22. Partha, Debatosh Banik

Abstract title: “Impacts of global snowpack-induced NO_x emissions on atmospheric chemistry and air quality.”
Civil and environmental engineering

23. Paskavitz, Amanda

Abstract title: “Sperm methylation variability predicts time-to-pregnancy in couples from the general population.”
Molecular medicine and genetics

24. Patil, Sushmita

Abstract title: “Angiogenic receptors in kidney endothelial cells: Implications for diabetes and semaphorin signaling.”
Physiology

25. Pereira, Bianca

- Abstract title:** “Electrical synaptic proteins regulate a stress-induced developmental program and longevity.”
Biological sciences
- 26. Pham, Tri**
Abstract title: “Characterization of ATC-324: an AUTOTAC-based androgen receptor degrader for prostate cancer.”
Pathology
- 27. Pinto, Nelson**
Abstract title: “The Impact of Interdisciplinary Cooperation on Students' Perspective of Treatment of Patients.”
Family medicine and public health sciences
- 28. Pivezhandi, Mohammad**
Abstract title: “HMARL: an energy- and thermal-aware scheduler for OpenMP DAG workloads.”
Computer science
- 29. Porath, Anthony**
Abstract title: “The relationship between porosity and defectivity in high surface area porous aromatic frameworks.”
Chemistry
- 30. Praneeth, Sai**
Abstract title: “From ash to oxides: an organic solvent-free process for recovery of rare-earth elements from coal ash.”
Civil and environmental engineering
- 31. Prifti, Matthew**
Abstract title: “Metformin’s effect on lifespan and healthspan in Drosophila models of polyglutamine disease.”
Pharmacology
- 32. Rahman, Arifur**
Abstract title: “Proteomic profiling of PNPLA3 mutants in human hepatocytes reveals potential pathways in NAFLD.”
Applied health sciences
- 33. Rajput, Neha**
Abstract title: “Mapping the neural basis of individual differences in the behavior of adult zebrafish.”
Biological sciences
- 34. Rana, Rima**
Abstract title: “Defining the molecular mechanisms of DSCAM-mediated self-avoidance.”
Pharmacology
- 35. Ranxhi, Bedri**
Abstract title: “Polyamines in Parkinson's: serum markers and Drosophila insights.”
Pharmacology
- 36. Raoufi, Gelareh**
Abstract title: “AI-powered tools for middle school health education.”
Teacher education
- 37. Renaud, Michelle**
Abstract title: “Examining the impact of yoga and mindfulness on perceived caregiver stress and burden.”

38. Richardson, Erica

Abstract title: “Rapid adaptation to prevent drug use (RAPD): baseline teacher perceptions to inform RAPD deployment.”

Kinesiology, health and sport studies

39. Rinky, Afsana

Abstract title: “Analysis of KCI’s OCHECE RAC research capacity.”

Family medicine and public health sciences

40. Riser, Manessa

Abstract title: “Childhood anxiety may predict PTSD symptoms in early adolescent females, but not males.”

Psychiatry and behavioral neuroscience

41. Roberts, Christopher

Abstract title: “Influence of ventricular size and surgical approach on flow distribution in ventricular catheters.”

Chemical engineering and materials science

42. Saad, Sarah

Abstract title: “Simulating impact of climate change on caribou migration pathways in the Alpena-Amberley Land Bridge.”

Computer science

43. Safdar, Maryam

Abstract title: “Exercise mimetics rescue endurance and climbing speed in *Drosophila* circadian mutants, CLKOUT.”

Physiology

44. Sakr, Ahmed

Abstract title: “Environmental leaching assessment for beneficial reuse of digested acidic fly ash.”

Civil and environmental engineering

45. Samarbakhsh, Amirreza

Abstract title: “Discovery and development of broad-spectrum antiviral therapeutics by targeting PL protease.”

Pharmaceutical sciences

46. Sarker, Jaydeb

Abstract title: “An explainable toxicity detection for software developers communication.”

Computer science

47. Sawant, Savni

Abstract title: “Associations between sperm epigenetic age and semen parameters.”

Biochemistry, microbiology and immunology

48. Schulz, Carly

Abstract title: “Provider perspectives on addressing the financial impact of cancer: resources and ways of addressing.”

Family medicine and public health sciences

49. Schwing, Greg

Abstract title: “A combinatorial graph algorithm implemented on the GPU and parameter optimization using Gaussian Pro.”

Computer science

50. Scofield, Sydney

Abstract title: “Volatile organic compounds (VOCs) at occupational levels predispose male mice to metabolic disease.”

Biological sciences

51. Seilo, Stella Mocerri

Abstract title: “International teacher-to-teacher Zoom interactions during the COVID-19 pandemic: a digital ethnographic study.”

Teacher education

52. Sergeant, Mike

Abstract title: “Fitness tradeoffs among cultivar-associated populations of an incipient insect agricultural pest.”

Biological sciences

53. Shaible, Tierney

Abstract title: “Variation in biodiversity of soil-dwelling arthropods in an urban environment.”

Biological sciences

54. Sharda, Sukriti

Abstract title: “Inclusion, exclusion and team dynamics: unpacking leader behavior, psychological safety, and moderator.”

Business

55. Shi, Chenjun

Abstract title: “Photoacoustic-Brillouin multimodal imaging modality.”

Biomedical engineering

56. Shrestha, Deepak

Abstract title: “Structural impacts of amino acid-linked platinum complexes on oligonucleotides.”

Chemistry

57. Siegel, Kyle

Abstract title: “In vitro endocrine and cardiometabolic toxicity of artificial turf materials.”

Pharmacology

58. Slane, Elizabeth

Abstract title: “Flame retardant-induced neural cell death.”

Applied health sciences

59. Sultana, Shanmin

Abstract title: “Impact of sensory processing on aggression in children: retrospective analysis of clinical data.”

Health care sciences

60. Sunday, Mfon

Abstract title: “Computational design of Clytia gregaria green-fluorescent protein(cgreGFP) as an anion sensor.”

Chemistry

61. Tapayan, April Sweet

Abstract title: “Heparan sulfate trisaccharide mimetic for Alzheimer's disease therapeutics.”

Chemistry

- 62. Tartamella, Jacob**
Abstract title: “Design and synthesis of small molecule covalent inhibitors for SARS-CoV-2 PLpro.”
Pharmacy
- 63. Thibodeau, Jenna**
Abstract title: “Cystathionine- β -synthase activity in AraC response in myeloid leukemia associated with Down syndrome.”
Oncology
- 64. Tihamiyu, Rachael**
Abstract title: “Mutagenesis to understand the interplay between the two histone deacetylases 6 catalytic domains.”
Chemistry
- 65. Toor, Jugmohit**
Abstract title: “Targeting MAIT cells as a novel immunotherapy for pancreatic cancer liver metastasis.”
Oncology
- 66. Ullrich, Alexander**
Abstract title: “Photodynamic therapy influences intratumoral macrophages and induces anti-tumor immunity.”
Cancer biology
- 67. Vo, Thanh Phat**
Abstract title: “Newtonian methods in nonsmooth optimization via the lens of variational analysis.”
Mathematics
- 68. Wallace, Bakari**
Abstract title: “‘They Care About Their Kids’: schools, Black fathers, and the reproduction of anti-Black misandry.”
Social work
- 69. Wang, Qisen**
Abstract title: “IoTEC - a novel sensor network for real-time monitoring of vapor intrusion in urban environments.”
Civil and environmental engineering
- 70. Weaver, Destiny**
Abstract title: “Empathy and affect recognition and memory as predictors of community integration.”
Psychology
- 71. Webster, Anthony**
Abstract title: “They just want our faces, but they don't want our experiences.”
Administration and organizational studies
- 72. Wood, Kenneth**
Abstract title: “Glucose sensor-induced extracellular trap formation impair implant performance.”
Biomedical engineering
- 73. Zamiri, Alaleh**
Abstract title: “ABHD5 activation initiates ferroptotic cell death in radioresistant HPV(-) HNSCC.”
Pathology
- 74. Zhang, Chencheng**
Abstract title: “The deep dive VR system.”
Computer science

75. Zhao, Fei

Abstract title: “Mild intermittent hypoxia may alleviate autonomic dysfunction in individuals with spinal cord injury.”

Health care sciences

76. Zieleniewski, Alessandra

Abstract title: “Utilizing dCas9 as a tool in observing the function of SIN3 in gene repression.”

Biological sciences

THREE-MINUTE THESIS COMPETITION

1. **Black, Sarah**
Presentation title: “Screening the neighborhood: Using plants and insects to detect belowground plumes.”
Biological sciences
2. **Heldman, Samantha**
Presentation title: “From broken screens to broken seams: can exposure to LCMs contribute to obesity?”
Pharmacology
3. **Hinchey, Liza**
Presentation title: “Too much, too little, or just right: The surprising risks of low stress hormone.”
Theoretical and behavioral foundations
4. **Joshi, Yogesh**
Presentation title: “Connection between mitophagy defects and immune activation in the neurodegenerative disease.”
Anatomy and cell biology
5. **Nagarajan, Sudhan**
Presentation title: “Is your EV often running out of charge? Here is the eco-friendly solution.”
Mechanical engineering
6. **Ostrom, Kate**
Presentation title: “Signs of crossing: tracing borderscapes through the U.S.-Mexico middle place.”
Classical modern languages, literatures and cultures
7. **Pathirana, Vishaka**
Presentation title: “Rational design of chloride sensors for living cells.”
Chemistry
8. **Takla, Taylor**
Presentation title: “Fear of falling: an interplay of neural, motor, and cognitive factors.”
Psychiatry and behavioral neuroscience
9. **Torres, Rachel**
Presentation title: “‘They just want our faces, but they don't want our experiences’: amplifying Black voices in Ph.D.”
Teacher education