

Graduate Research Symposium

February 26, 2025

Student Center Second Floor

5221 Gullen Mall, Detroit, MI 48201

Event agenda

8:00 am	Doors open & morning posters setup <i>Ballroom</i>
8:00-9:00 am	Breakfast <i>Hallway</i>
9:00-10:30 am	Morning poster session <i>Ballroom</i>
10:30-10:45 am	Coffee break <i>Hallway</i>
10:45 am-12:15 pm	Morning platform talks <i>Room 285, Hilberry A & B</i>
12:15-1:00 pm	Lunch <i>Hilberry E & F</i>
1:00-2:30 pm	Afternoon platform talks <i>Room 285, Hilberry A & B</i>
1:30 pm	Ballroom opens for afternoon posters setup <i>Ballroom</i>
2:30-2:45 pm	Coffee break <i>Hallway</i>
2:45-4:15 pm	Afternoon poster session <i>Ballroom</i>
4:15-4:30 pm	Coffee break <i>Hilberry</i>
4:30-5:30 pm	Three-Minute Thesis Competition & awards ceremony <i>Room 285</i>

MORNING POSTER PRESENTATIONS

1. Abbas, Hadi

Abstract title: “Advancing intelligent fault diagnosis through enhanced mechanisms in transfer learning.”
Industrial & systems engineering

2. Abdul Rauf, Fathima

Abstract title: “Developing new strategies for the synthesis of diverse porous aromatic frameworks.”
Chemistry

3. Abongo, Paul

Abstract title: “Enhanced mechanical properties of concrete with GNP-coated aggregates.”
Civil & environmental engineering

4. Adnan, Muhammad

Abstract title: “Cybersecurity, image-based control, and process design and instrumentation selection.”
Chemical engineering & materials science

5. Adoteye, Gwendolyn

Abstract title: “Interleukin 17 induced signaling in renal endothelial cells in diabetes.”
Physiology

6. Akabrov, Anar

Abstract title: “Matching between pre-equilibrium and hydrodynamics.”
Physics & astronomy

7. Akpo, Margaret Sena

Abstract title: “Investigating the role of cell adhesion molecules in muller glia morphology and tiling.”
Anatomy and cell biology

8. Albrehi, Feryal

Abstract title: “Decolonizing praxis: travelers' tales and the depiction of Muslim women.”
Teacher education

9. Aldhaibani, Hesham

Abstract title: “Utilizing acoustic sensors for the assessment of behind armor blunt trauma injury using animal model.”
Biomedical engineering

10. Alexander-Jordan, Robert

Abstract title: “Trauma-informed policies: Shaping leadership and enhancing student success.”
Administration & organizational studies

11. Almhierat, Razan

Abstract title: “Transcriptomic responses of *Daphnia pulex* to 17-alpha-Ethinylestradiol Exposure.”
Pharmacy

12. Amarasinghe, Anjalie

Abstract title: “Investigation of Sin3A and metabolic gene interactions in *Drosophila melanogaster*.”
Biological sciences

13. Aththota Gamage, Pramoda Sahan Kumari

Abstract title: “Determining molecular mechanisms of mBaojin: Photostability, chloride sensitivity.”
Chemistry

14. Baiden, Issac

Abstract title: “Sex differences in a preclinical model of Type II cardiorenal syndrome with loop diuretic resistance.”

Physiology

15. Banga, Loveleen

Abstract title: “Uncovering the effects of ciprofloxacin on corneal epithelial cells: A study using ECIS technology.”

Anatomy & cell biology

16. Barker, Grayson

Abstract title: “Increases fibrosis in HER2+ breast tumor patients harboring TGFBR1*6A.”

Oncology

17. Bhayekar, Komal

Abstract title: “Targeting deubiquitinase activity of USP5 for the treatment of NSCLC..”

Pharmacy

18. Brown, Anthony

Abstract title: “Speaking of children.”

English

19. Chapman, Kelli

Abstract title: “Light-controlled modulation of CYP1A1 expression via Ru(II) complexes for targeted cancer therapy.”

Chemistry

20. Chek, Carmen Jia-Wen

Abstract title: “Loneliness negatively impacts cognitive domain in older adults similarly across racial/ethnic groups.”

Psychology

21. Chilampankunnel Prasannan, Abhishek

Abstract title: “Magneto-crystalline anisotropic superconducting diode effect in planar Josephson junctions.”

Physics & astronomy

22. Chowdhury, Md Tawsif Rahman

Abstract title: “Process and performance optimization of RRAM devices for energy-efficient next generation computing.”

Electrical & computer engineering

23. Cunha, Warley

Abstract title: “CASC15 lncRNA as a mediator of vascular senescence in the renin-angiotensin system.”

Molecular medicine & genetics

24. Datta, Rltoban

Abstract title: “Jet modification near the transition between the quark-gluon and hadronic plasma.”

Physics & astronomy

25. Davis, Kevin Chadwin

Abstract title: “Enhancing mental health access in Detroit through health equity.”

Family medicine & public health sciences

- 26. Deck, Alexander**
Abstract title: “IFN - γ PET imaging as a tool to assess immunotherapy response in tumor-bearing mice.”
Oncology
- 27. Dehghan Chenijani, Fatemeh**
Abstract title: “Effects of yoga and mindfulness on mental well-being in college students.”
Kinesiology, health & sport studies
- 28. Dennaoui, Rayane**
Abstract title: “Cooperative functions of JAK1 and JAK2 in orchestrating postnatal mammary gland development.”
Oncology
- 29. Dhikhirullahi, Opeyemi**
Abstract title: “Normal embryo development needs MEIG1/PACRG-mediated sperm formation.”
Physiology
- 30. Dorandish, Sadaf**
Abstract title: “Targeting USP10 to enhance chemotherapy and immunotherapy efficacy in NSCLC.”
Pharmacy
- 31. Dwyer, Katherine**
Abstract title: “Splicing-dependent transcriptional regulation: A novel role of the splicing factor Prp19.”
Biological sciences
- 32. Eichstaedt, Jillian**
Abstract title: “dACC glutamate modulation during food-based inhibitory control task predicts BMI at follow-up.”
Psychiatry & behavioral neuroscience
- 33. Elshenawy, Habiba**
Abstract title: “Mitochondrial-nuclear retrograde regulator 1 (MNRR1), A novel regulator of apoptosis in TNBC.”
Molecular medicine & genetics
- 34. Erder, Ece**
Abstract title: “Cortico-cortical evoked potential to understand the tumor-related epilepsy network.”
Psychiatry & behavioral neuroscience
- 35. Estes, Alexis**
Abstract title: “How can Native American adolescents with PTSD heal through group art therapy?”
Teacher education
- 36. Fernandez, Bella**
Abstract title: “Cabeza de Vaca: La lente colonialista que impregna la versión fílmica de Nicolás Echevarría.”
Classical modern languages, literature & cultures
- 37. Fidler, Emma**
Abstract title: “Comprehensive analysis of the role of an intron in transcription and post-transcriptional dynamics.”
Biological sciences
- 38. Furr, Elliot**
Abstract title: “Protein based lanthanide capture from coal fly ash.”
Chemistry

- 39. Garbin, Brianna**
Abstract title: “Beyond the binary: Kink, queer relationships, and gender non-conformity in the Middle Ages.”
English
- 40. Gazal, Abass**
Abstract title: “Hydrothermal liquefaction of organic wet waste; a sustainability and circularity assessment.”
Civil & environmental engineering
- 41. Ghorbani, Zohreh**
Abstract title: “Integrating ChatGPT in college mathematics instruction: Impacts on conceptual learning and critical.”
Education
- 42. Glenn, Dillon L.**
Abstract title: “Effectiveness of classic and non-classic psychedelics for smoking cessation: A systematic review.”
Nursing
- 43. Godfrey, Olivia**
Abstract title: “Testing a disposition-belief-motivation framework of post-menopausal health and well-being.”
Psychology
- 44. Godugu, Sri Alekhya**
Abstract title: “Enhancing perception in adverse weather using hydra-nets architecture for autonomous vehicle driving.”
Electrical & computer engineering
- 45. Gonzalez-Prado, Roberto**
Abstract title: “Associations with pain, depression, subjective, and objective sleep quality in fibromyalgia.”
Psychology
- 46. Hall, Hayden**
Abstract title: “Exploring the reflection spectrum of the neutron star low mass X-ray binary serpens X-1.”
Physics & astronomy
- 47. Halter, Jessica**
Abstract title: “Separation of high order protein conformations using thermal gel electrophoresis.”
Chemistry
- 48. Harrison, Paula**
Abstract title: “Testing associations between personality traits and dietary behavior: A meta-analysis”
Psychology
- 49. Hatala, Iryna**
Abstract title: “Measuring ferromagnetic exchange interactions in exchange bias synthetic magnets.”
Physics & astronomy
- 50. Herath Manchanayake, Dulmalika**
Abstract title: “Beyond diabetes: SGLT2i potential as a novel therapeutic approach for Alzheimer's disease.”
Biological sciences

51. Hernandez, Aleck

Abstract title: “Simulating the variability of active galactic nuclei on very large timescales.”

Physics & astronomy

52. Hicks, Haley

Abstract title: “Promoting school safety through visibility: An exploration of gender and sexual minority adolescents.”

Social work

53. Hilton, Joshua

Abstract title: “Riding the green bandwagon: An analysis of green social influences on sustainability communication.”

Economics

54. Hoffmann, Alexander

Abstract title: “Passive filler ionic conductivity enhancement of poly(ethylene glycol) diacrylate electrolytes.”

Chemical engineering & materials science

55. Ishak, Md

Abstract title: “Energy-efficient probabilistic Bayesian neural networks for resource-constrained environments.”

Electrical & computer engineering

56. Izang, John

Abstract title: “Discovery of metal-organic framework C-H amination catalysts via high-throughput experimentation”

Chemistry

57. Jahan, Syed

Abstract title: “Elucidating QGP at finite baryon density with (3+1)D Bayesian analysis at the RHIC beam energy scan.”

Physics & astronomy

58. Jahn, Alissa

Abstract title: “Intergenerational group therapy using traditional or heritage art making methods for Flint residents.”

Theoretical & behavioral foundations

59. Jajula, Jyotsna

Abstract title: “Developing RNA delivery technologies for specific tissue targeting using lipid nanoparticles.”

Pharmacy

60. James, Sharnell

Abstract title: “(F)or (U)s (B)y (Us): Creating ways to dismantle the stigma of mental health in the Black community.”

Social work

61. Jayasundara Mudiyansele, Ruwandhi Virajitha

Abstract title: “Magnesium (II) alkoxide complexes as catalysts for carbene transfer reactions.”

Chemistry

- 62. Jeffrey, Teresa**
Abstract title: “From low to ultrahigh: Bridging the gigahertz to terahertz gap in antiferromagnetism.”
Physics & astronomy
- 63. Jenuwine, Mackenzie**
Abstract title: “Heart rate variability: Bridging equity in psychological research and practice.”
Theoretical & behavioral foundations
- 64. Karim, Norjan**
Abstract title: “Evaluating material reusability for historic building renovation projects.”
Civil & environmental engineering
- 65. Kazemdehbashi, Sina**
Abstract title: “An algorithm with exact bounds for coverage path planning in UAV-based search and rescue under windy”
Industrial & systems engineering
- 66. Khalid, Sonia**
Abstract title: “Influence of developmental opioid exposure on perineuronal net expression.”
Psychiatry & behavioral neuroscience
- 67. Kiruthiga Gopal, Gokula Kumaran**
Abstract title: “Automated system for medical image segmentation to support diagnoses.”
Electrical & computer engineering
- 68. Kodmany, Reem**
Abstract title: “L’évolution de la comédie française entre Molière et Marivaux : continuités et ruptures
Classical modern languages, literature & cultures
- 69. Kreinbring, Lindsey**
Abstract title: “Novel mechanisms regulating fatty acid elongation.”
Biological sciences
- 70. Kumar, Vikalp**
Abstract title: “Cardiolipin regulates retinoic acid signaling: Implications for Barth syndrome.”
Biological sciences
- 71. Kushwaha, Babita**
Abstract title: “Discovery of small molecule inhibitors targeting PLpro for coronavirus therapy.”
Pharmacy
- 72. Kushwaha, Narva Deshwar**
Abstract title: “Design and development of covalent inhibitors targeting papain-like protease (PLpro) for coronavirus.”
Pharmacy
- 73. Rahman, Arifur**
Abstract title: “AI-powered computational modeling of PNPLA3 mutants in decoding the pathogenesis of MAFLD.”
Applied health sciences
- 74. Saad, Sarah**
Abstract title: “AI-based content generation for the analysis of agent behavior on virtual landscapes.”
Computer science

75. Zorn, Kylie

Abstract title: “Art therapy as a measurement tool for self-awareness and grounding in dissociative symptoms.”

Administration & organizational studies

MORNING PLATFORM TALKS

Room 285: CFPCA presentations

1. Asher, Matthew

Abstract title: “Beethoven’s Op. 27 No. 1: Reimagining the Sonata.”

Music

2. Graves, Brandon

Abstract title: “Rethinking engagement.”

Theatre and dance

3. Murphy, Samuel

Abstract title: “Schubert’s D.956 – ii – Aria Requiem.”

Music

4. Porter, Alexandra

Abstract title: “What to do about the Big Data and AI turn? Emerging feminist approaches in media and communication.”

Communication

5. Sheehan, Laney

Abstract title: “‘A tale of Derring-Do:’ Troubadour song and Renaissance polyphony in Baldur’s Gate 3..”

Music

6. Srour, Layan

Abstract title: “Arab-American musicians in Detroit: Tradition, identity, and the impact of Middle Eastern conflict.”

Music

Hilberry A: Women and family topics

1. Carney, Christina

Abstract title: “Crafting the perfect mother: Domestic arts as obscured leisure in intensive mothering.”

Sociology

2. Cihak, Megan

Abstract title: “The impact of hormonal birth control on cortisol reactivity to psychosocial stress.”

Theoretical & behavioral foundations

3. Duckett, Jacquelyn

Abstract title: “Parenthood and sleep in a population-based sample of older adults.”

Psychology

4. Fiedler, Stephanie

Abstract title: “Winning the breakup: Romantic detachment and downward social comparisons to ex-partners.”

Psychology

5. Fleming, Owen

Abstract title: “And what about the kids? Divorce, child support, and childhood health investment.”

Economics

6. Gborogen, Rosilyn

Abstract title: “Experience of African American women with mastectomy without breast reconstruction.”
Nursing

7. Glowacki, Carter

Abstract title: “Combatting maternal and fetal health disparities through paid maternity leave.”
Family medicine & public health science

8. Harvin, Elizabeth

Abstract title: “Illocutionary violations in clinical communication: Analyzing directives and commissives in childbirth.”
Philosophy

9. Munshi, Ishita

Abstract title: “From childhood victimization to adolescent dating aggression: The role of caregiver relationship.”
Psychology

Hilberry B: Health research

1. Abel II, Clifford

Abstract title: “Brain network topology during learning: Explorations in Schizophrenia with graph theory.”
Psychiatry & behavioral neuroscience

2. Akhlaq, Asra

Abstract title: “Bacterial-derived cues and insulin signaling promote oocyte biology in *C. elegans*.”
Biological sciences

3. Bannoura, Sahar

Abstract title: “RCC1 regulates subcellular protein localization via Ran GTPase to drive pancreatic cancer.”
Oncology

4. Bauer, Abbie

Abstract title: “Applying the addictions neuroclinical assessment framework to opioid use disorder (OUD).”
Psychiatry & behavioral neuroscience

5. Peterson, Austin

Abstract title: “Targeting mitochondrial one-carbon metabolism in drug-resistant T-cell acute lymphoblastic Leukemia.”
Oncology

6. Pungi, Divine

Abstract title: “Targeting ER-stress pathway in micoglia mitigates benzene-induced metabolic dysregulation and neuro.”
Pharmacy

7. Ukasik, Dylan

Abstract title: “Epileptogenic tubers secrete exosomes enriched with proteins related to altered electrophysiology.”
Psychiatry & behavioral neuroscience

AFTERNOON PLATFORM TALKS

Room 285: Urban and community topics

1. Atilola, Mesach

Abstract title: “Exploring the inter-relationship between housing, pavement conditions and social equity in Detroit.”

Civil & environmental engineering

2. Fuad, Nafis

Abstract title: “Evolving public perception of bikeshare systems: A longitudinal analysis of Chicago.”

Civil & environmental engineering

3. Maas, Kelsye

Abstract title: “Planning for equity in Michigan.”

Urban studies & planning

4. Nayeem, Md

Abstract title: “Disproportionate reduction in health benefits of cycling for children from disadvantaged communities.”

Civil & environmental engineering

5. Pamfilie, Ligia

Abstract title: “Supporting underrepresented students using COIL to build meaningful learning experiences.”

Administration & organizational studies

6. Sorrell, Damiana

Abstract title: “Pathways to equity: Addressing educational injustices and simplifying school choice for Black parents.”

Teacher education

Hilberry A: Biomedical and environmental topics

1. Awad, Dima

Abstract title: “Behavioral and genomic responses to BTEX in *Daphnia pulex*.”

Pharmacy

2. Hasse, Timothy

Abstract title: “Molecules in motion: Advancing drug discovery through computational biophysics.”

Physics & astronomy

3. Laymon, Jenna

Abstract title: “Exploring virtual reality-based and psychophysiological assessments of threat, fear, and.”

Psychiatry & behavioral neuroscience

4. Lee, Julian

Abstract title: “A novel robot system for upper limb stroke rehabilitation using the da Vinci Surgical System.”

Biomedical engineering

5. Mahmudunnobe, Md

Abstract title: “Cosmic evolution of mass, luminosity, and accretion rate of unobscured supermassive black holes.”

6. Roberts, Christopher

Abstract title: “Cerebrospinal fluid flow distribution in shunted pediatric hydrocephalic ventricles.”

Chemical engineering & materials science

7. Scofield, Sydney

Abstract title: “Environmental pollutant mixture exposure in aging: Impact on central and peripheral immune function.”

Biological sciences

Hilberry B: Business and workplace research

1. Bani Hani, Mohammad

Abstract title: “Volatility spillover across global crude oil benchmarks: Financialization & fracking revolution.”

Economics

2. Charkhchi, Iman

Abstract title: “How do firms control the news media narrative when they have high litigation risk?”

Finance

3. Criss, David

Abstract title: “The impact of companies’ sustainability (ESG) performance on the cost of capital.”

Economics

4. Kasturi Rangan, Keshav

Abstract title: “Profit considerations of a control-integrated cyberattack detection strategy.”

Chemical engineering & materials science

5. Kazemian, Iman

Abstract title: “Attention is all you need to optimize wind farm operations and maintenance.”

Industrial & systems engineering

6. Shaheen, Ryna

Abstract title: “Beyond the scrubs: Unmasking the mental health crisis among healthcare heroes.”

Family medicine & public health sciences

7. Sharda, Sukriti

Abstract title: “Navigating culture and gender in workplace negotiations: A cross-cultural view of personal value.”

Business

AFTERNOON POSTER PRESENTATIONS

1. Lanzkron-Tamarazo, Doris

Abstract title: “Matrons and moonshine: Alternate paths of empowerment in Prohibition-era Michigan.”
History

2. Leavings, Chloe

Abstract title: “Let me rap to you real quick.”
English

3. Lee, Biyyiah

Abstract title: “Unveiling layers of cannabis use disparities in urban minority communities: A systematic review.”
Nursing

4. Li, Shuxiao

Abstract title: “New materials for the thermally controlled delivery of inhalable nitric oxide.”
Chemistry

5. Li, Songwei

Abstract title: “NuSTAR stray light observations with LMXBs.”
Physics & astronomy

6. Lotvola, Aaron

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

7. Matthews, Schaterika

Abstract title: “Is silence or resilient stress your master?”
Business

8. McCarrroll, Dana

Abstract title: “How does hip hop culture play a role in influencing urban inner city students educational journey?”
Teacher Education

9. McGaughy, Samantha

Abstract title: “Amplifying voices: Black women's music in the Civil Rights era.”
Music

10. McGinnis, Natalie

Abstract title: “Sneathia: An emerging pathogen in the female reproductive tract.”
Biochemistry, microbiology & immunology

11. Michalski, Matthew

Abstract title: “Subsistence and mobility through protein analysis of stone tools at the Belson Clovis site.”
Anthropology

12. Miller, Samantha

Abstract title: “Perceptions of a health promotion program for autistic children and their primary caregiver.”
Kinesiology, health & sport studies

13. Moazzeni, Alireza

Abstract title: “Optimizing sputtering parameters for tantalum oxide-based resistive memory: A design of experiments.”

Electrical & computer engineering

14. Morey, Marissa

Abstract title: “The empowerment paradox: Identifying feminism in conservative spaces.”

Sociology

15. Mugunamalwaththa, Thamarahansi

Abstract title: “Biochemical basis of SMYD5 in HIV Latency and transcriptional reactivation.”

Biochemistry, microbiology & immunology

16. Najem, Noorelhoda

Abstract title: “Improving air quality in Southwest Detroit.”

Family medicine & public health sciences

17. Nguyen, Huong

Abstract title: “Caring for elderly people: A challenge in balancing personal life during and after Covid-19 pandemic.”

Economics

18. Nwanelo, Valentine

Abstract title: “Validating histone deacetylase 7 as a reader of progesterone receptor acetylation.”

Chemistry

19. Oberle, Kjersti

Abstract title: “Advancing the understanding of porous organic polymer synthesis through studies of defect structures.”

Chemistry

20. O’Brien, Katherine

Abstract title: “Political values: The influence of remittances on democracy and autocracy in Latin American countries.”

Political science

21. Odewale, Elizabeth

Abstract title: “Investigating the influence of excitonic and photonic components on cavity polariton relaxation rate.”

Chemistry

22. Oduro, Samuel

Abstract title: “Comprehensive framework and technological support for the effective abatement of renovation projects.”

Civil & environmental engineering

23. Oguh, Blessed

Abstract title: “A simple two-camera 3D imaging system.”

Chemistry

24. Oladipo, Pelumi

Abstract title: “Functional differences provide insights into the pathogenic potential of *Escherichia marmotae*.”

Biochemistry, microbiology & immunology

- 25. Olvera, Cecilia**
Abstract title: “Pay as you stay: Analyzing housing stability and community benefits in Wayne and Genesee counties.”
Political science
- 26. Osama, Muhammad**
Abstract title: “Mass transfer during drop impact on a layer of the same liquid.”
Mechanical engineering
- 27. Ostrom, Kate**
Abstract title: “Signs of crossing: Tracing borderscapes through the US-Mexico middle place.”
Classical modern languages, literature & cultures
- 28. Owe, Brenda**
Abstract title: “Development and validation of the Visuo-perceptual Visuospatial Learning and Memory Test.”
Psychology
- 29. Oyewumi, Tolulope**
Abstract title: “Study of human multispecificity kinases NME1 and NME2 using kinase-catalyzed biotinylation.”
Chemistry
- 30. Parveen, Shahnaz**
Abstract title: “Membrane biophysics of lipid droplets: investigating ABHD5 behavior and its impact on metabolic regu.”
Physics & astronomy
- 31. Pavelich, Lauren**
Abstract title: “High sucrose diet induces tyrosine phosphorylation of cytochrome c oxidase in diabetic rat hearts.”
Biochemistry & molecular biology
- 32. Pereira, Bianca**
Abstract title: “Electrical synaptic proteins regulate a stress-induced developmental program and longevity.”
Biological sciences
- 33. Perrin, Laurie**
Abstract title: “Reclamando el Pasado: La Herencia Duradera y la Relevancia Contemporánea del Popol Vuh.”
Classical modern languages, literature & cultures
- 34. Pham, Lucynda**
Abstract title: “Inhibitory infrared light stimulates mitophagy and quality control, improving bioenergetics.”
Molecular medicine & genetics
- 35. Pica, Ericka**
Abstract title: “Seeing and unseeing: A case study on the shifting ethos of archaeological knowledge Production.”
Anthropology
- 36. Pinela, Alexis**
Abstract title: “Loneliness moderates the association between negative social interactions and diurnal cortisol slope.”
Psychology

- 37. Pounders, Sarah**
Abstract title: “Mapping Alfred Street: A microcosm of Detroit’s socio-economic change through time.”
Anthropology
- 38. Praneeth, Sai**
Abstract title: “Recovery of Gadolinium(III) from magnetic resonance imaging patient urine using adsorption.”
Civil & environmental engineering
- 39. Premtaj, Cole**
Abstract title: “CdS nanocube aerogels for water splitting: The impact of connectivity on gel frameworks”
Chemistry
- 40. Prifti, Matthew**
Abstract title: “Insights into Dentatorubral-Pallidoluysian atrophy from a new Drosophila model of disease.”
Pharmacology
- 41. Qadir, Nida**
Abstract title: “Causal impact of public health Insurance on child health outcomes in Pakistan.”
Economics
- 42. Ramos, Rafael**
Abstract title: “Culturing hepatocytes in GAG-based capsules: Intracapsular ECM effects on organization and function”
Biomedical engineering
- 43. Rana, Rima**
Abstract title: “Defining the molecular mechanisms of DSCAM-mediated self-avoidance.”
Pharmacology
- 44. Reardon, Madeleine**
Abstract title: “Integrating families and communities into the clubhouse model: Insights from the Bungoma Project.”
Theoretical & behavioral foundations
- 45. Reward, Eleazar**
Abstract title: “Understanding the differential substrate recognition by the HSV-1 E3 ubiquitin ligase, ICPO.”
Biological sciences
- 46. Roy, Preetom**
Abstract title: “Rare-earth element and vanadium recovery from unconventional feedstocks including coal fly ash.”
Civil & environmental engineering
- 47. Sakr, Ahmed**
Abstract title: “Potential for eco-friendly recovery of rare Earth elements from fly ash using carboxylic acids.”
Civil & environmental engineering
- 48. Samarbakhsh, Amirreza**
Abstract title: “Design and development of broad-spectrum antiviral therapeutics by targeting coronavirus PL protease.”

Pharmacy

49. Sarker, Aditi

Abstract title: “Multimodal learning with cross-attention and heterogeneity-aware aggregation.”
Computer science

50. Sethuram, Ashwin Raam

Abstract title: “Harmonizing traditional, machine learning, and foundational models for domain-specific time series.”
Industrial & systems engineering

51. Shaible, Tierney

Abstract title: “Spatiotemporal variation of soil dwelling arthropod communities in a postindustrial urban center”
Biological sciences

52. Sharma, Anamika

Abstract title: “IL-33-induced microglia activation modulates retinal neovascularization dynamics.”
Anatomy & cell biology

53. Sinchaothong, Thanet

Abstract title: “The relationship between older adults’ socioeconomic status (SES) and telehealth use.”
Nursing

54. Slane, Elizabeth

Abstract title: “Mechanisms of flame retardant-induced neural cell death.”
Pharmacy

55. Stidham, Jennifer

Abstract title: “Augmenting brief alcohol intervention effects with a novel, video exercise.”
Psychology

56. Subasinghe, Janya

Abstract title: “Decoding fluorescence retention in DsRed: Insights from molecular dynamics and machine learning.”
Chemistry

57. Subedi, Mitra Mani

Abstract title: “Magnon-magnon interactions in synthetic antiferromagnets.”
Physics & astronomy

58. Temby, Brianna

Abstract title: “Targeted degradation of androgen receptor (AR) and AR variants using AUTOPhagy-TArgeting Chimera.”
Oncology

59. Thibodeau, Jenna

Abstract title: “Loss of cystathionine- β -synthase activity contributes to cytarabine resistance in ML-DS.”
Oncology

60. Tiamiyu, Rachael

Abstract title: “Understanding the interplay between the two catalytic domains of histone deacetylase 6 (HDAC6).”
Chemistry

- 61. Tohidi, Nasim**
Abstract title: “A bilevel optimization approach for recommendation systems using sentiment analysis.”
Computer science
- 62. Truong, Vivian**
Abstract title: “SUPREME: Susceptibility with ultra-high-resolution parallel reconstruction of multi-echo.”
Radiology
- 63. Vallejo, Zully**
Abstract title: “It is not just about one: ‘No vaya a salir con su domingo siete.’”
Teacher education
- 64. Vann, Darius**
Abstract title: “Race and education moderate the relationship of cognitive reserve and current function.”
Psychology
- 65. Vollmer, April**
Abstract title: “Gender-typing across adolescence: Evidence of stability and shifts.”
Psychology
- 66. Warmbrunn, Isabella**
Abstract title: “Innovative opioid education for adolescents in the United States.”
Family medicine & public health sciences
- 67. Weaver, Destiny**
Abstract title: “Unique contributions of learning ratio versus slope and total learning in dementia classifications.”
Psychology
- 68. Williams, Gwendolyn**
Abstract title: “Central nervous system tissue dynamics in Type I chiari malformation.”
Chemical engineering & materials science
- 69. Wykes, Madison**
Abstract title: “Molecular determinants that promote cellular plasticity and Claudin-low mammary tumorigenesis.”
Oncology
- 70. Yadav, Himanshu**
Abstract title: “Visible-light-driven photocatalytic water splitting using ZnSe aerogel.”
Chemistry
- 71. Yonis, Nouran**
Abstract title: “Tracing the fate of the C1'-DNA sugar radical in the skin.”
Pharmacy
- 72. Yu, Lu**
Abstract title: “The impact of personalized social media advertising on consumer perceptions and behavior.”
Marketing
- 73. Yzeiri, Erik**
Abstract title: “Wayne County's SDOH Transportation Pilot Program.”
Family medicine & public health sciences

74. Zamiri, Alaleh

Abstract title: “ABHD5 activation initiates ferroptotic cell death and autophagy in therapy-resistant HNSCC.”

Pathology

75. Zhang, Chencheng

Abstract title: “Reimagining ancient civilizations: Landbridge and the future of VR and AI.”

Computer science

76. Zieleniewski, Alessandra

Abstract title: “Engineering a dCas9: SIN3 fusion for controlling gene expression.”

Biological sciences

77. Adamusik, Joanna

Abstract title: “Contributing factors to youth violence: Comparison of perceptions of students with disabilities.”

Social work

THREE-MINUTE THESIS COMPETITION

1. **Adegoke, Ayodeji**
Presentation title: “Longitudinal trajectories of internalizing problems: Peer victimization and childhood trauma.”
Psychology
2. **Amarasinghe, Anjalie**
Presentation title: “Investigation of Sin3A and metabolic gene interactions in *Drosophila melanogaster*.”
Biological sciences
3. **Baiden, Isaac**
Presentation title: “Sex differences in a preclinical model of Type II cardiorenal syndrome with loop diuretic resistance.”
Physiology
4. **Johnson, Jeanine**
Presentation title: “Disrupting the school-to-prison pipeline with school-based mental health care.”
Psychology
5. **Rahman, Arifur**
Presentation title: “Hey!...How’s your liver?”
Pharmaceutical sciences
6. **Saad, Sarah**
Presentation title: “AI-based content generation for the analysis of agent behavior on the Alpen-
Amberley land bridge.”
Computer science
7. **Zorn, Kylie**
Presentation title: “Art therapy as a measurement tool for self-awareness and grounding in dissociative symptoms.”
Administration & organizational studies