GRADUATE AND POSTDOCTORAL
Research Symposium

March 5, 2019

WAYNE STATE
Graduate School
GRADUATE AND POSTDOCTORAL RESEARCH SYMPOSIUM

March 5, 2019

Event Agenda

8:00-8:45 am  Session 1 Presenters Set up Posters
McGregor A, BC, Atrium

8:45-9:00 am  Welcome and Opening Remarks
Ingrid Guerra-Lopez, Interim Dean of the Graduate School
Keith E. Whitfield, Provost and Senior Vice President for
Academic Affairs
McGregor FGH

9:00-10:45 am  Poster Session 1
McGregor A, BC, Atrium

10:45-11:00 pm  Session 2 Presenters Set up Posters
McGregor A, BC, Atrium

11:00-11:45 am  Lunch
Presenters: LM, Judges: E, I, J

12:00-1:45 pm  Poster Session 2
McGregor A, BC, Atrium

1:45-2:45 pm  3MT Presentations and Judging
McGregor FGH

2:45-3:45 pm  Alumni Panel Discussion
McGregor FGH

3:45-4:30 pm  Awards Ceremony
McGregor FGH
POSTER SESSION 1

1. Aboulhassan, Salam (Doctoral Student)
   Department of Sociology, College of Liberal Arts & Sciences
   **Abstract Title:** “Answering for Their Visibility: Gendered and Racialized Muslim Experiences at Work.”
   Advisor: Brumley, Krista

2. Adewale, Adeleye (Doctoral Student)
   Department of Chemistry, College of Liberal Arts & Sciences
   **Abstract Title:** “Investigating the Molecular Interactions of SMYD2 and Titin in Sarcomere.”
   Advisor: Ahn, Young-Hoon

3. Ahmed, Raed (Doctoral Student)
   Department of Political Science, College of Liberal Arts & Sciences
   **Abstract Title:** “Organizing of Diaspora Communities in Metro Detroit Against Trump's "Muslim Ban".”
   Advisor: Marinova, Nadejda

4. Aiyash, Jihan & Reed, Amanda (Master’s Students)
   Department of Family Medicine, School of Medicine
   **Abstract Title:** “What’s Location Got To Do With It? A Spatial Analysis of Child Blood Lead Levels, Race, and Socioeconomic Characteristics in Metro Detroit.”
   Advisor: Campbell-Voytal, Kimberly

5. Alijabbari, Naser (Postdoctoral Scholar)
   Department of Biomedical Engineering, College of Engineering
   **Abstract Title:** “Photoacoustic Tomography Imaging and Focused Ultrasound for Treatment of Breast Pathologies.”
   Advisor: Mehrmohammadi, Mohammad

6. Allboani, Amnah (Doctoral Student)
   Department of Biomedical Engineering, College of Engineering
   **Abstract Title:** “A Comparative Study of Optimization Algorithms for Wavefront Shaping.”
   Advisor: Avanaki, Mohammad

7. Alzhrani, Rami (Doctoral Student)
   Department of Pharmaceutical Sciences, Eugene Applebaum College of Pharmacy and Health Sciences
   **Abstract Title:** “Cancer Stem Cells and Tyrosine Kinase Receptors Directed Macromolecules for Pancreatic Ductal Adenocarcinoma Imaging.”
   Advisor: Iyer, Arun

8. Amunugama, Samudra (Doctoral Student)
   Department of Chemistry, College of Liberal Arts & Sciences
   **Abstract Title:** “Development of Terpyridine Based Iron(II), Cobalt(III) and Ru(II) Metallosurfactants for Molecular Rectification.”
   Advisor: Verani, Claudio
9. Anand, Chaitali (Doctoral Student)
Department of Psychiatry & Behavioral Neuroscience, School of Medicine
Abstract Title: “Age Differences in Hippocampal Glutamate Modulation During Object-Location Encoding: Evidence from Proton Functional Magnetic Resonance Spectroscopy (¹H-fMRS).”
Advisors: Raz, Naftali & Stanley, Jeffrey

10. Anderson, Ashley (Doctoral Student)
Department of Biochemistry, Microbiology & Immunology, School of Medicine
Abstract Title: “Timing Is Everything: pUL103 Exhibits Temporal Control Over eVAC Biogenesis.”
Advisor: Pellett, Philip

11. Ashahrani, Suhail (Doctoral Student)
Department of Biomedical Engineering, College of Engineering
Abstract Title: “The Effectiveness of Omnidirectional Full-Ring Illumination in Photoacoustic Tomography Screening.”
Advisor: Mehrmohammadi, Mohammad

12. Asher, Katherine (Doctoral Student)
Department of Social Work, School of Social Work
Abstract Title: “Parents’ Histories of Childhood Emotional Neglect Are Associated with Negative Attachment.”
Advisor: Brown, Suzanne

13. Babegi, Ashjan (Doctoral Student)
Department of Nursing, College of Nursing
Abstract Title: “Sociocultural Barriers and Facilitators for Seeking Help for Intimate Partner Violence Among Women of Arabic Descent.”
Advisor: Visger, Joan

14. Barnawi, Amin (Doctoral Student)
Department of Biomedical Engineering, College of Engineering
Abstract Title: “Development of a Post-Processing Algorithm for Skull Induced Aberration Correction.”
Advisor: Avanaki, Mohammad

15. Basij, Maryam (Doctoral Student)
Department of Biomedical Engineering, College of Engineering
Abstract Title: “Miniaturized Phased-Array Ultrasound and Photoacoustic Endoscopic Imaging System.”
Advisor: Mehrmohammadi, Mohammad

16. Blount-Pacheco, Jessica (Doctoral Student)
Department of Pharmacology, School of Medicine
Abstract Title: “When Is Unanchored Poly-Ub Toxic?.”
Advisor: Todi, Sokol

17. Bosse, Kelly (Postdoctoral Scholar)
Department of Neurosurgery, School of Medicine
Abstract Title: “Post-TBI Opioid Exposure Exacerbates Behavioral and Neuroinflammatory Outcomes.”
Advisor: Conti, Alana
18. Broman, Michael (Doctoral Student)  
Department of Social Work, School of Social Work  
Abstract Title: “A Scoping Review of Psychosocial Protective Factors and Methadone Treatment Outcomes.”  
Advisor: Lister, Jamey

19. Canjar, Kyle (Master’s Student)  
Department of Music, College of Fine, Performing & Communication Arts  
Abstract Title: “The Complimentary Chromatic Fantasies of John Dowland.”  
Advisor: Bianchi, Douglas

20. Cao, Tianxin (Doctoral Student)  
Department of Physiology, College of Liberal Arts & Sciences  
Advisor: Jin, Jian-Ping

21. Cassady, Caitlin (Doctoral Student)  
Department of Social Work & Anthropology, School of Social Work and College of Liberal Arts & Sciences  
Advisor: Hopp, Faith

22. Chandra, Rashmi (Doctoral Student)  
Department of Biological Sciences, College of Liberal Arts & Sciences  
Abstract Title: “Stress: A Story of Insulin-Like Peptides, Message Mobilization and Survival.”  
Advisor: Alcedo, Joy

23. Charbonneau, Sarah (Master’s Student)  
Department of Social Work, School of Social Work  
Abstract Title: “Life Review and Reminiscence with Older Adults in Detroit: Therapeutic Benefits.”  
Advisor: Perry, Tam

24. Chehreghanianzabi, Yasaman (Doctoral Student)  
Department of Biomedical Engineering, College of Engineering  
Abstract Title: “Study of Novel Injectable Calcium Polyphosphate Hydrogel as Base of Polymeric Bone Cement Material for Antibiotic Delivery.”  
Advisor: Ren, Weiping

25. Damschroder, Deena (Doctoral Student)  
Department of Physiology, School of Medicine  
Abstract Title: “Nicotinamide Riboside Rescues the Exercise Capacity of Drosophila Tafazzin Mutants.”  
Advisor: Wessells, Robert

26. Dardona, Mohammed (Doctoral Student)  
Department of Civil & Environmental Engineering, College of Engineering  
Abstract Title: “Investigating the Potential for Recovering REEs from Coal Fly Ash and Power Plant Wastewater with an Engineered Sorbent.”  
Advisor: Dittrich, Timothy
27. De Iorio, Monica (Doctoral Student)
Department of Psychology, College of Liberal Arts & Sciences
Abstract Title: “Affect Intensity and Psychological Distress after TBI.”
Advisor: Rapport, Lisa

28. Devereaux, Zachary (Doctoral Student)
Department of Chemistry, College of Liberal Arts & Sciences
Abstract Title: “Structures and Energetics of Sodium Cationized 2'-Hydroxyl and 2'-Fluoro Pyrimidine Arabinosides: Tandem Mass Spectrometry and Computational Chemistry.”
Advisor: Rodgers, Mary

29. Dove-Medows, Emily (Doctoral Student)
Department of Nursing, College of Nursing
Advisor: Benkert, Ramona

30. Doza, Adit (Doctoral Student)
Department of Economics, College of Liberal Arts & Sciences
Abstract Title: “Self-Rated Health Trajectories Among Racial/Ethnic Groups in the US: A Latent Class Analysis.”
Advisor: Summers, Gail Jensen

31. Draft, Amanda (Doctoral Student)
Department of Sociology, College of Liberal Arts & Sciences
Abstract Title: “I Kinda Like This Weird Niche Sport, But I Kinda Want Some Money’: Ambivalence in the Business of Modern Roller Derby.”
Advisor: Dillaway, Heather

32. El Dallal, Siba (Doctoral Student)
Department of Learning Design & Technology, College of Education
Advisor: Guerra-Lopez, Ingrid

33. El Harakeh, Nour (Doctoral Student)
Department of Chemistry, College of Liberal Arts & Sciences
Abstract Title: “Structural Optimization of Cobalt(III) Oxime Complexes Toward Efficient Proton Reduction.”
Advisor: Verani, Claudio

34. Elsey, Nicholas (Doctoral Student)
Department of Physics & Astronomy, College of Liberal Arts & Sciences
Abstract Title: “Systematic Studies of Di-Jet Imbalance Measurements in Heavy Ion Collisions at STAR.”
Advisor: Putschke, Joern
35. Erko, Bekele (Doctoral Student)  
Department of Physics & Astronomy, College of Liberal Arts & Sciences  
Abstract Title: “Three-Particle Correlations in Relativistic Heavy-Ion Collisions.”  
Advisor: Llope, William

36. Fahmida, Sezana (Doctoral Student)  
Department of Computer Science, College of Engineering  
Abstract Title: “Energy Efficient Real-Time Parallel Task Scheduling in Multi-Core Platform.”  
Advisor: Saifullah, Abusayeed

37. Fazeli, Seyed Sajjad (Doctoral Student)  
Department of Industrial & Manufacturing Engineering, College of Engineering  
Abstract Title: “Charging Station Network Design for Electrifield Vehicles in Urban Communities: Reducing Congestion, Emissions, Improving Accessibility, and Promoting Walking, Bicycling, and Use of Public Transportation.”  
Advisor: Venkatachalam, Saravanan

38. Fountain, Matthew (Doctoral Student)  
Department of Biochemistry, Microbiology & Immunology, School of Medicine  
Abstract Title: “Isoflavones Limit Radiation-Induced Lung Immunopathology as a Vascular Endothelial Cell Death Mechanism for Radiprotection.”  
Advisors: Hillman, Gilda & Tse, Harley

39. Gajan, Ambikai (Postdoctoral Scholar)  
Department of Oncology, School of Medicine  
Abstract Title: “Rad6 Plays an Important Role in Melanocytic Lineage Commitment and Melanogenesis.”  
Advisor: Shekhar, Malathy

40. Gallagher, Natalie (Master’s Student)  
Department of Communication, College of Fine, Performing & Communication Arts  
Abstract Title: “Navigating Protection and Liberation: Evaluating the Impact of a Community Navigator Program in Local Immigrant Communities.”  
Advisor: Pearson, Frederic

41. Gadyck, Stephanie (Doctoral Student)  
Center for Molecular Medicine & Genetics, School of Medicine  
Abstract Title: “Post-Translational Modification of MNRR1 Determines Role of Mitochondria.”  
Advisor: Grossman, Lawrence

42. Goletz, Jessica (Master’s Student)  
Department of Psychology, College of Liberal Arts & Sciences  
Abstract Title: “Through Mom’s Eyes: The Role of Fatherhood from a Maternal Perspective.”  
Advisor: Beeghly, Marjorie

43. Gomes, Kudamaduwage Inosha (Doctoral Student)  
Department of Chemistry, College of Liberal Arts & Sciences  
Abstract Title: “PRMT5 Activity Is Affected by HDAC6-Mediated Deacetylation.”  
Advisor: Pflum, Mary Kay

6
44. Govindarajan, Barani (Doctoral Student)  
    Department of Pathology, School of Medicine  
    Abstract Title: “PI4KIIIα and CXCR4 Crosstalk in Prostate Cancer Cells.”  
    Advisor: Chinni, Sreenivasa

45. Grant, Jeremy (Master’s Student)  
    Department of Psychology, College of Liberal Arts & Sciences  
    Abstract Title: “Existential Well-Being Predicts Health Outcomes in Multiple Sclerosis.”  
    Advisor: Rapport, Lisa

46. Grass, Amanda (Doctoral Student)  
    Department of Chemistry, College of Liberal Arts & Sciences  
    Abstract Title: “Synthesis, Characterization, and Reactivity of Colbalt and Iron Complexes Towards Diazoalkanes in Bulky Bis(alkoxide) Ligand Environments.”  
    Advisor: Groysman, Stanislav

47. Gunawardana, Malawara Arachchiga Ayesh (Doctoral Student)  
    Department of Physics & Astronomy, College of Liberal Arts & Sciences  
    Abstract Title: “On HQET and NRQCD Operators of Dimension 8 and Above.”  
    Advisor: Paz, Gil

48. Hackett, Justin (Doctoral Student)  
    Cancer Biology Graduate Program, School of Medicine  
    Abstract Title: “Diversity Outbred Mice as a Model to Associate Host Genetic Background with Response to Immunotherapy.”  
    Advisor: Gibson, Heather

49. Haj Ali, Alaa (Doctoral Student)  
    Department of Mathematics, College of Liberal Arts & Sciences  
    Abstract Title: “The One-Phase Bifurcation Phenomenon for the p-Laplacian.”  
    Advisor: Wang, Peiyong

50. Hall, Leo (Master’s Student)  
    Department of Ophthalmology, Visual & Anatomical Sciences, School of Medicine  
    Abstract Title: “Nicotinic Acetylcholine Receptors in Bipolar Cells Contribute to Motion Detection in Ganglion Cells of the Mouse Retina.”  
    Advisor: Ichinose, Tomomi

51. Hamdan, Suha (Doctoral Student)  
    Department of Teacher Education, Curriculum & Instruction, College of Education  
    Abstract Title: “International Students’ Identities & Learning Trajectories.”  
    Advisor: Roberts, Kathryn

52. Hamilton, Corey (Doctoral Student)  
    Department of English, College of Liberal Arts & Sciences  
    Abstract Title: “Attendance and Absence of Attendees: Acknowledging a Rhetoric of an American Protestant Megachurch.”  
    Advisor: Sackey, Donnie
53. Han, Xiangfei (Doctoral Student)
   Department of Chemical Engineering & Materials Science, College of Engineering
   Abstract Title: “Mucus-Penetrating Particle Technology.”
   Advisor: Cao, Zhiqiang

54. Hanna, Julie (Doctoral Student)
   Department of Social Work, School of Social Work
   Abstract Title: “The Michigan Re-entry Project (MI-REP): Supporting Reentry for Those with Co-Occurring Opioid Use and Mental Health Issues.”
   Advisor: Resko, Stella

55. Hellmer, Chase (Doctoral Student)
   Department of Ophthalmology, Visual & Anatomical Sciences, School of Medicine
   Abstract Title: “Nicotinic Acetylcholine Receptors in Retinal Bipolar Cells Contribute to Motion Detection in the Mouse Retina.”
   Advisor: Ichinose, Tomomi

56. Heyza, Joshua (Doctoral Student)
   Cancer Biology Graduate Program, School of Medicine
   Abstract Title: “Identification and Characterization of Synthetic Viability with ERCC1 Deficiency in Response to Interstrand Crosslinks.”
   Advisor: Patrick, Stephen

57. Hicks, Danielle (Doctoral Student)
   Department of Social Work, School of Social Work
   Abstract Title: “Lessons Learned from iCare: A Post-Exam Text Messaging-Based Programs with Sexual Assault Patients.”
   Advisor: Patterson, Debra

58. Hurley, Laura (Doctoral Student)
   Cancer Biology Graduate Program, School of Medicine
   Abstract Title: “Evaluation of Autoantibodies to Paraneoplastic Antigens as Early Detection Biomarkers for High-Grade Serous Ovarian Cancer.”
   Advisor: Tainsky, Michael

59. Jilani, Zunaira (Doctoral Student)
   Department of Psychology, College of Liberal Arts & Sciences
   Abstract Title: “Examining Social Relationships and Health in a Community Sample of Sexual Assault Survivors.”
   Advisor: Abbey, Antonia

60. Jindal, Ishan (Doctoral Student)
   Department of Electrical & Computer Engineering, College of Engineering
   Abstract Title: “Big Data Driven Optimized Taxi Ride Share Policies.”
   Advisor: Singh, Harpreet
61. Jog, Ruta (Doctoral Student)  
Department of Pathology, School of Medicine  
Abstract Title: “A Potential Link Between Glycine Metabolism, Oxidative Stress and Diabetes.”  
Advisors: Leff, Todd & Wang, Jian

62. John, Samuel (Doctoral Student)  
Department of Biomedical Engineering, College of Engineering  
Abstract Title: “Integrated Endovenous Laser Ablation/Photoacoustic Imaging System for Treating Venous Insufficiencies: Characterization Study.”  
Advisor: Mehrmohammadi, Mohammadi

63. Johnson, Elizabeth (Postdoctoral Scholar)  
Institute of Gerontology  
Abstract Title: “Medial Temporal Theta Rhythms Predict Subsequent Memory in Children and Adolescents.”  
Advisor: Ofen, Noa

64. Johnson, Sean (Doctoral Student)  
Department of Pharmacology, School of Medicine  
Abstract Title: “Differential Toxicity, Aggregation, and Neurodegeneration of Splice Isoforms in Spinocerebellar Ataxia 3.”  
Advisor: Todi, Sokol

65. Joshwa, Bincy (Doctoral Student)  
Department of Nursing, College of Nursing  
Abstract Title: “Intensity and Correlates of Fatigue in Individuals on Hemodialysis: A Quantitative Study.”  
Advisor: Campbell, Margaret

66. Kalpage, Hasini (Doctoral Student)  
Center for Molecular Medicine & Genetics, School of Medicine  
Abstract Title: “Role of Serine-47 Phosphorylation of Cytochrome C in Brain Ischemia/Reperfusion Injury.”  
Advisor: Hüttemann, Maik

67. Karavidha, Klevis (Doctoral Student)  
Department of Psychiatry & Behavioral Neuroscience, School of Medicine  
Abstract Title: “Beta-Arrestin 2 Single Nucleotide Polymorphism Associated with Long Term Consequences of Opioid Use.”  
Advisor: Greenwald, Mark

68. Khodadadei, Fatemeh (Doctoral Student)  
Department of Chemical Engineering & Materials Science, College of Engineering  
Abstract Title: “How is Neuroprosthetic Device Failure Dependent on Shear Stress? A High-Resolution Real-Time Quantification of Shear and Astrocyte Cytokine Secretion.”  
Advisor: Harris, Carolyn
69. Kratkiewicz, Karl (Doctoral Student)
   Department of Biomedical Engineering, College of Engineering
   **Abstract Title:** “Development and Characterization of TransFontanelle Multispectral Photoacoustic Imaging Probe for Hemorrhage Detection and Analysis.”
   Advisor: Avanaki, Mohammad

70. Kyko, Jaclyn (Master’s Student)
   Department of Public Health, School of Medicine
   **Abstract Title:** “Financial Hardship and Quality of Life Among African American and White Cancer Survivors: The Role of Limiting Care due to Cost.”
   Advisor: Hastert, Theresa

71. Lavan, Sydney (Doctoral Student)
   Department of Chemistry, College of Liberal Arts & Sciences
   **Abstract Title:** “Vibrational Study of a Hydrogen Bonded Antiferroelectric Material.”
   Advisor: Rury, Aaron

72. Lee, Jeoung Min (Doctoral Student)
   Department of Social Work, School of Social Work
   **Abstract Title:** “Is Peer Victimization a Significant Risk for Acquiring Sexually Transmitted Infections? Exploring the Pathways in a Sample of Urban African American Youth.”
   Advisor: Hong, Jun Sung

73. Levitt, Amanda (Doctoral Student)
   Department of Sociology, College of Liberal Arts & Sciences
   **Abstract Title:** “Late Pay - Experiences of Unpaid Employees at a Major Research University.”
   Advisor: Dillaway, Heather

74. Luedtke, Daniel (Doctoral Student)
   Cancer Biology Graduate Program, School of Medicine
   **Abstract Title:** “Inhibition of CDK9 by Voruciclib Enhances Cell Death Induced by the Bcl-2 Selective Inhibitor ABT-199 in Acute Myeloid Leukemia.”
   Advisor: Ge, Yubin

75. Lukas, Mackenzie (Doctoral Student)
   Department of Physiology, School of Medicine
   **Abstract Title:** “Preconditioning the Uterine Myocyte Secretome Promotes the Propagation of a Protective Anti-Apoptotic Phenotype in a Paracrine Manner.”
   Advisor: Condon, Jennifer

76. Mataczynski, Christopher (Doctoral Student)
   Department of Biological Sciences, College of Liberal Arts & Sciences
   **Abstract Title:** “The TodK Histidine Kinase and its Role in Cell Fate Segregation During the M. Xanthus Developmental Program.”
   Advisor: Higgs, Penelope
77. Nicholas, Ian (Master’s Student)
   Department of Music, College of Fine, Performing & Communication Arts
   Abstract Title: “Parental Beliefs and Use of Music Within the Parent-Child Relationship.”
   Advisor: Dayton, Carolyn

78. Patimurani, Annisa (Doctoral Student)
   Department of Communication, College of Fine, Performing & Communication Arts
   Abstract Title: “The Hypertextual Self: Exploring the Use of Social Media in Identity Work Among Muslims in America.”
   Advisor: Tong, Stephanie

79. Primeau, Sarah
   Department of English, College of Liberal Arts & Sciences
   Abstract Title: Designing a First-Year Composition Course from a Cultural Rhetorics Orientation.”
   Advisor: Barton, Ellen

80. Russo, Sandra (Doctoral Student)
   Department of Classical & Modern Languages, College of Liberal Arts & Sciences
   Abstract Title: “The Political Commitment of the Female Character in Contemporary Spanish Novels.”
   Advisor: Higuero, Francisco

81. Smith, Valerie (Doctoral Student)
   Department of Kinesiology, Health & Sport Studies, College of Education
   Abstract Title: “Comparing Division I Athletes' Responses to Three Different Mental Toughness Measures within the Strength and Conditioning Context.”
   Advisor: Moore, E. Whitney

82. Snapp, Erin (Doctoral Student)
   Department of Kinesiology, Health & Sports Studies, College of Education
   Abstract Title: “Improving Quality of Life for Children with Developmental Disabilities Through Gross Motor Function Interventions.”
   Advisor: Martin, Jeffrey

83. Vasquez, Adrian (Postdoctoral Scholar)
   Department of Teacher Education, Curriculum & Instruction, College of Education
   Abstract Title: “Using Science-Based Experiences and Research to Increase Under-Represented Detroit Student Participation in a Regional Science Symposium.”
   Advisor: Yarema, Sandra

84. Xu, Kai (Doctoral Student)
   Department of Communication, College of Fine, Performing & Communication Arts
   Abstract Title: “Populist Persuasion Using Moral Foundation Theory.”
   Advisor: Stoycheff, Elizabeth

85. Toseef, Mohammad Usama (Doctoral Student)
   Department of Economics, College of Liberal Arts & Sciences
   Abstract Title: “Medicaid Managed Care and Emergency Room Visits: Duals Versus Non-Duals.”
   Advisor: Summers, Gail Jensen
86. Xu, Qiuyun (Doctoral Student)
Department of Biomedical Engineering, College of Engineering
Abstract Title: “Enhanced Topical Delivery of Ultrasmall Gold Nanoparticles for Optical Coherence Tomography.”
Advisor: Avanaki, Mohammad
POSTER SESSION 2

1. Cobb, Tyler (Doctoral Student)
   Department of Physiology, School of Medicine
   Abstract Title: “A Structural Feature of Troponin T Evolved in Flight Muscles of Birds and Insects with A Potentially Analogous Role in Flight Functions.”
   Advisor: Wessells, Robert

2. Fatima, Afreen (Doctoral Student)
   Department of Electrical & Computer Engineering, School of Medicine
   Abstract Title: “Measuring Analyte Desorption Using a Surfactant Retardation Effect Sensor.”
   Advisor: Basu, Amar

3. Findley, Anthony (Doctoral Student)
   Center for Molecular Medicine & Genetics, School of Medicine
   Abstract Title: “Interpreting Coronary Artery Disease Risk Through Gene-Environment Interactions in Gene Regulation.”
   Advisors: Pique-Regi, Robert & Luca, Francesca

4. Manning, Morenci (Doctoral Student)
   Cancer Biology Graduate Program, School of Medicine
   Abstract Title: “Genomic and Functional Analyses of RNA Methyltransferases Reveal FTSJ3 Is a Novel Oncogene in Human Cancer.”
   Advisor: Yang, Zeng-Quan

5. Mannozzi, Joseph (Doctoral Student)
   Department of Physiology, School of Medicine
   Abstract Title: “Muscle Metaboreflex Induced Increases in Effective Arterial Elastance.”
   Advisor: O'Leary, Donal

6. Manwar, Rayyan (Postdoctoral Scholar)
   Department of Biomedical Engineering, College of Engineering
   Abstract Title: “Skull’s Photoacoustic Attenuation and Dispersion Modeling with Deterministic Ray-Tracing: Towards Real-Time Aberration Correction.”
   Advisor: Avanaki, Mohammad

7. Marwah, Praneet Kaur (Doctoral Student)
   Department of Biological Sciences, College of Liberal Arts & Sciences
   Abstract Title: “Establishing a Role of Hypochlorite-Oxidized Cysteinyl Dopamine (HOCD) in Parkinson's Disease.”
   Advisor: Njus, David

8. Matchynski, James (Doctoral Student)
   Department of Psychiatry & Behavioral Neuroscience, School of Medicine
   Abstract Title: “Ex Vivo Testing of a Photoacoustic Baed in Vivo Neuronal Activity Imaging System with the cFos/LacZ Gene Reporter System.”
   Advisors: Perrine, Shane & Conti, Alana
9. Mays, Elizabeth (Doctoral Student)
   Department of Biomedical Engineering, College of Engineering
   Abstract Title: “Heparin Modified Hyaluronic Acid Sequesters bFGF and NGF.”
   Advisor: Sundararaghavan, Harini

10. McDaniel, Colleen (Doctoral Student)
    Department of Psychology, College of Liberal Arts & Sciences
    Abstract Title: “Does Relationship Status Matter? Differences in Factors Influencing Men's Sex Behaviors.”
    Advisor: Abbey, Antonia

11. McLaughlin, Patrick (Doctoral Student)
    Department of Biological Sciences, College of Liberal Arts & Sciences
    Abstract Title: “Characterizing Autoregulation of a Global Transcriptional Regulator in Myxococcus Xanthus.”
    Advisor: Higgs, Penelope

12. Merriweather, Desiree (Master’s Student)
    Department of Business Administration, Mike Ilitch School of Business
    Abstract Title: “Using Continuous Quality Improvement Model for Clerkship Summative Assessment Timeliness.”
    Advisor: Booza, Jason

13. Mokhtari, Mohsen (Master’s Student)
    Department of Biomedical Engineering, College of Engineering
    Abstract Title: “Efficacy Evaluation of Antioxidant Complex Against Visible Light Induced Biological Effects.”
    Advisor: Kohli, Indermeet

14. Mooney, Isaac (Doctoral Student)
    Department of Physics & Astronomy, College of Liberal Arts & Sciences
    Abstract Title: “First Measurement of Jet Mass in pp Collisions at the STAR Experiment.”
    Advisor: Putschke, Joern

15. Morgan, Fredricka (Doctoral Student)
    Department of Chemistry, College of Liberal Arts & Sciences
    Abstract Title: “Electrocatalytic Water Reduction with a New Bimetallic Cobalt Catalyst.”
    Advisor: Verani, Claudio

16. Moses, Niko (Doctoral Student)
    Cancer Biology Graduate Program, School of Medicine
    Abstract Title: “HDAC6 Regualtes Chk1 Stability in Response to Radiation-Induced DNA Damage.”
    Advisor: Zhang, Xiaohong (Mary)

17. Munroe, Derwin (Doctoral Student)
    Department of Political Science, College of Liberal Arts & Sciences
    Abstract Title: “Timing and Pace of Energy Transition in Developing Countries, 2000-2015.”
    Advisor: Lean, Sharon
18. Mutinda, Samuel (Doctoral Student)  
Department of Chemistry, College of Liberal Arts & Sciences  
Advisor: Brock, Stephanie

19. Muzzarelli, Kendall (Doctoral Student)  
Department of Biochemistry, Microbiology & Immunology, School of Medicine  
Abstract Title: “Structure-Based Design and Evaluation of Targeted Covalent Inhibitors Against Norovirus Protease.”  
Advisor: Kovari, Ladislau

20. Naik, Akshata (Doctoral Student)  
Department of Physiology, School of Medicine  
Abstract Title: “Valproate Inhibits Glucose-Stimulated Insulin Secretion in Pancreatic Beta Cells.”  
Advisor: Jena, Bhanu

21. Nguyen, Dao (Doctoral Student)  
Department of Mathematics, College of Liberal Arts & Sciences  
Abstract Title: “Optimal Control of a Nonsmooth Perturbed Sweeping Process and its Applications.”  
Advisor: Mordukhovich, Boris

22. Nguyen, Huong (Doctoral Student)  
Department of Pharmaceutical Sciences, Eugene Applebaum College of Pharmacy and Health Sciences  
Abstract Title: “Activation of Nitric Oxide Synthesis by Metformin-Methylglyoxal Imidazoline Metabolite (IMZ): Potential Role in Alleviating Diabetic Cardiovascular Complications.”  
Advisor: Monks, Terrence

23. Nsair, Viva (Doctoral Student)  
Department of Management & Information Systems, Mike Ilitch School of Business  
Advisor: Julian, Scott

24. Oyama, Henrique (Doctoral Student)  
Department of Chemical Engineering & Materials Science, College of Engineering  
Abstract Title: “Dynamic Process Operation and Control-Design Interactions.”  
Advisor: Durand, Helen

25. Patel, Bijal (Doctoral Student)  
Department of Biomedical Engineering, College of Engineering  
Abstract Title: “Self-Assembled Collagen-Fibrin Hydrogel Reinforces Tissue Engineered Adventitia Vessels Seeded with Human Fibroblasts.”  
Advisor: Lam, Mai
26. Patrick, Sarah (Doctoral Student)  
Department of Psychology, College of Liberal Arts & Sciences  
Abstract Title: “Performance Validity Assessment Using Response Time on the Warrington Recognition Memory Test.”  
Advisor: Rapport, Lisa

27. Pattyn, Alexander (Doctoral Student)  
Department of Biomedical Engineering, College of Engineering  
Abstract Title: “Optical and Acoustical Compensation for Full-Ring Photoacoustic Tomography Using a Numerical Breast Phantom.”  
Advisor: Mehrmohammadi, Mohammad

28. Pester, Bethany (Doctoral Student)  
Department of Psychology, College of Liberal Arts & Sciences  
Abstract Title: “Do Empathic Responses from Loved Ones Reduce Acute Pain?”  
Advisor: Cano, Annmarie

29. Peterson, Madison (Doctoral Student)  
Department of Biochemistry, Microbiology & Immunology, School of Medicine  
Abstract Title: “Identification of Factors that Enable Long-Term Vibrio Cholerae Colonization of Zebrafish.”  
Advisor: Withey, Jeffrey

30. Pham, Tri (Doctoral Student)  
Department of Pathology, School of Medicine  
Abstract Title: “Autophagy in Adipogenesis and Osteoblastogenesis.”  
Advisor: Kim, Hyeong-Reh

31. Piggott, Veronica (Postdoctoral Scholar)  
Department of Neurosurgery, School of Medicine  
Abstract Title: “Traumatic Stress and Chronic Ethanol Exposure Increase Striatal Cannabinoid Ligands in Mice.”  
Advisor: Conti, Alana

32. Punyapu, Venkata Rohit (Master’s Student)  
Department of Chemical Engineering & Materials Science, College of Engineering  
Abstract Title: “Novel Design and Synthesis of 3-D Nanostructures of Metal Oxides for Next-Generation Lithium-Ion Batteries.”  
Advisor: Deng, Da

33. Putt, Douglas (Master’s Student)  
Department of Biological Sciences, College of Liberal Arts & Sciences  
Abstract Title: “Forest Ecological Classification of Shiawassee National Wildlife Refuge.”  
Advisor: Kashian, Daniel
34. Radigan, Lauren (Doctoral Student)  
Department of Psychology, College of Liberal Arts & Sciences  
Abstract Title: “Preliminary Examination of Psychometric Properties for the Multicultural Facial Recognition Test.”  
Advisor: Rapport, Lisa

35. Raedler, Patrick (Doctoral Student)  
Cancer Biology Graduate Program, School of Medicine  
Abstract Title: “Janus Kinase 1 Plays a Critical Role in Mammary Cancer Progression.”  
Advisor: Wagner, Kay-Uwe

36. Rajagopalan, Carthic (Doctoral Student)  
Department of Physiology, School of Medicine  
Abstract Title: “The E3 Ubiquitin Ligase RNF 19B Promotes CFTR ▲F508 Degradation.”  
Advisor: Chen, Xuequn

37. Rajendran, Sathish (Doctoral Student)  
Department of Mechanical Engineering, College of Engineering  
Abstract Title: “ALD Coated Boron Nitride Engineered Electrode-Electrolyte Interface for All Solid-State Battery.”  
Advisor: Arava, Leela

38. Rivera, Zenaida (Doctoral Student)  
Department of Psychology, College of Liberal Arts & Sciences  
Abstract Title: “Sexual Subjectivity in Lesbian, Gay, and Bisexual Emerging Adults.”  
Advisor: Simon, Valerie

39. Roberts, Cameron (Doctoral Student)  
Department of Biochemistry, Microbiology & Immunology, School of Medicine  
Abstract Title: “Examining the Importance of Transmembrane Domain 1 and 2 in P Type ATPase ZntA.”  
Advisor: Mitra, Bharati

40. Roy, Indrakshi (Doctoral Student)  
Department of Economics, College of Liberal Arts & Sciences  
Abstract Title: “Status of Employer-Sponsored Compensation and Fringe Benefits Among U.S. Workers Nearing Retirement.”  
Advisor: Summers, Gail Jensen

41. Rumman, Marufa (Postdoctoral Scholar)  
Department of Obstetrics & Gynecology, School of Medicine  
Abstract Title: “ONC201 Induces the Unfolded Protein Response (UPR) in High and Low Grade Ovarian Carcinoma Cell Lines and Leads to Cell Death Regardless of Platinum Sensitivity.”  
Advisor: Winer, Ira Seth

42. Ryley, Walter (Doctoral Student)  
Department of Economics, College of Liberal Arts & Sciences  
Abstract Title: “Exploring the Competitive Dynamics of Trucking Deregulation.”  
Advisor: Lee, Li Way
43. Saadat, Nadia (Postdoctoral Scholar)  
Department of Family Medicine & Public Health, School of Medicine  
**Abstract Title**: “Lipidomics Profiles are Related to Preterm Birth and Depressive Symptoms in Pregnant African American Women.”  
Advisor: Misra, Dawn

44. Sadatijafarkalaei, Najibesadat (Doctoral Student)  
Department of Industrial & Systems Engineering, College of Engineering  
**Abstract Title**: “Dynamic Resource Allocation for Coordination of Inpatient Operations in Hospitals.”  
Advisor: Chinnam, Ratna Babu

45. Sakhtemani, Ramin (Doctoral Student)  
Department of Chemistry, College of Liberal Arts & Sciences  
**Abstract Title**: “Whole Genome Mapping of Uracils Created by Human APOBEC3A Suggests a Targeting Mechanism Involving Binding to RNA Secondary Structure.”  
Advisor: Bhagwat, Ashok

46. Salsaa, Michael (Doctoral Student)  
Department of Biological Sciences, College of Liberal Arts & Sciences  
**Abstract Title**: “Cardiolipin-Deficient Cells Depend on Anaplerotic Pathways to Ameliorate Defective TCA Cycle Function.”  
Advisor: Greenberg, Miriam

47. Samala, Ganesh (Postdoctoral Scholar)  
Department of Chemistry, College of Liberal Arts & Sciences  
**Abstract Title**: “Tin-Free Reductive Cyclizations of Neutral Aminyl Radicals Towards Saturated Nitrogenous Heterocycles.”  
Advisor: Stockdill, Jennifer

48. Samira, Samji (Doctoral Student)  
Department of Chemical Engineering & Materials Science, College of Engineering  
**Abstract Title**: “Tailoring Solid-Solid Interfacial Catalysis Using Metal Oxides for Energy Storage.”  
Advisor: Nikolla, Eranda

49. Sanni, Adedayo (Doctoral Student)  
Department of Chemistry, College of Liberal Arts & Sciences  
**Abstract Title**: “Broadband Light Emission in Hybrid Perovskites: Assessing the Role of Defects.”  
Advisor: Rury, Aaron

50. Sau, Samaresh (Postdoctoral Scholar)  
Department of Pharmaceutical Sciences, Eugene Applebaum College of Pharmacy and Health Sciences  
**Abstract Title**: “Repositioning Immune Check Point Inhibitor in Combination with Chemotherapeutic Delivery.”  
Advisor: Iyer, Arun
51. Schultz, Robert (Master’s Student)  
Department of Economics, College of Liberal Arts & Sciences  
Abstract Title: “Specialization, Peer Effects, and Team Performance: Evidence Using NCAA 4x400 Relay Times.”  
Advisor: Goodman, Allen

52. Shahab, Monazza (Doctoral Student)  
Department of Pharmacology, School of Medicine  
Abstract Title: “Cisplatin Treatment Induces Nitrative Stress Leading to Neuromast Cell Death in Danio Rerio.”  
Advisor: Jamesdaniel, Samson

53. Silva, Karunamuni (Doctoral Student)  
Department of Chemistry, College of Liberal Arts & Sciences  
Abstract Title: “Role of Metal Ion on the Oxidative Assembly of Metal Chalcogenide Nanocrystals.”  
Advisor: Brock, Stephanie

54. Siraji, Ashfaqul Anwar (Doctoral Student)  
Department of Electrical & Computer Engineering, College of Engineering  
Abstract Title: “Controlling Light Transmission Using All-Dielectric Optical Nanostructures.”  
Advisor: Zhao, Yang

55. Soroush Barhaghi, Mohammad (Doctoral Student)  
Department of Chemical Engineering & Materials Science, College of Engineering  
Abstract Title: “GOMC: GPU Optimized Monte Carlo for the Simulation of Phase Equilibria and Physical Properties of Complex Fluids.”  
Advisor: Potoff, Jeffrey

56. Stanley, Erin (Doctoral Student)  
Department of Social Work & Anthropology, School of Social Work and College of Liberal Arts & Sciences  
Abstract Title: “Healthcare Culture and Interprofessional Education: Toward a Deeper Understanding and Critical Response.”  
Advisor: Kral, Michael

57. Steinberg, Davia (Doctoral Student)  
Department of Psychology, College of Liberal Arts & Sciences  
Abstract Title: “Predictors of Early Sexting Onset in Adolescence.”  
Advisor: Simon, Valerie

58. Sutherland, Laura (Doctoral Student)  
Department of Social Work, School of Social Work  
Abstract Title: “The Things that Keep Me Going:” Caring for Garden, Self, and Kin Among Older African Americans in Detroit.”  
Advisor: Perry, Tam
59. Sweidan, Wafaa (Doctoral Student)
Department of Psychiatry & Behavioral Neuroscience, School of Medicine
Abstract Title: “Assessment of Visual Processing Dysfunction and Cortical Pathology in Parkinson Disease Patients Related to Visual Hallucination.”
Advisors: Seraji-Bozorgzad, Navid & Stanley, Jeffrey

60. Szlag, Regina (Doctoral Student)
Department of Chemistry, College of Liberal Arts & Sciences
Abstract Title: “Synthesis of Rubidium-Alkaline Earth Trifluouroacetates Single-Source Precursors for Mixed-Metal Fluorides.”
Advisor: Rabuffetti, Federico

61. Taghizadeh, Elham (Doctoral Student)
Department of Industrial & Systems Engineering, College of Engineering
Abstract Title: “Supply Network Resilience Management.”
Advisor: Chinnam, Ratna Babu

62. Tang, Lingfei (Doctoral Student)
Department of Psychology, College of Liberal Arts & Sciences
Abstract Title: “Assessing the Reliability of fMRI Measures in Characterizing Memory Development.”
Advisor: Ofen, Noa

63. Tate, Marion (Doctoral Student)
Department of Teacher Education, College of Education
Abstract Title: “Promoting Student Interest in STEM and STEM-Related Careers via a Place-Based Environmental Educational Program at a Public Aquarium.”
Advisors: Bhavnagri, Navaz & Yarema, Sandra

64. Teslow, Emily (Doctoral Student)
Cancer Biology Graduate Program, School of Medicine
Abstract Title: “SRSF2-Dependent MBD2_v2 Expression Is Induced by Obesity and Promotes Tumor-Initiating Triple Negative Breast Cancer Stem Cells.”
Advisor: Bollig-Fischer, Aliccia

65. Toman, Lindsay (Doctoral Student)
Department of Sociology, College of Liberal Arts & Sciences
Abstract Title: “LGBTQ Medical Students: Back in School, Back in the Closet.”
Advisor: Brumley, Krista

66. Tracy, Nicole (Postdoctoral Scholar)
Department of Psychology, College of Liberal Arts & Sciences
Abstract Title: “Neural Correlates of the Effect of Personality on Cognitive Performance in Aging.”
Advisor: Damoiseaux, Jessica

67. Vanderwill, Lori (Doctoral Student)
Department of Social Work, School of Social Work
Abstract Title: “Are School of Choice a Form of Racialized Community Violence? Comparing Rates of Out of District Enrolment by School Ranking, Distance, and Racial Segregation.”
Advisor: Smith, Richard
68. Vedhanayagam, Arpith (Doctoral Student)
Department of Electrical & Computer Engineering, College of Engineering

Abstract Title: “Droplet Tracking at ~3000 Frames Per Second Using GPU Accelerated Image Processing.”
Advisor: Basu, Amar

69. Venneti, Naresh (Postdoctoral Scholar)
Department of Chemistry, College of Liberal Arts & Sciences

Abstract Title: “Progress Towards the Synthesis of Calciphylline A: Construction of ABCD Tetracyclic Core.”
Advisor: Stockdill, Jennifer

70. Vossoughi Shahvari, Amin (Doctoral Student)
Department of Chemical Engineering & Materials Science, College of Engineering

Abstract Title: “Culturing the Co-Encapsulated Primary Hepatocytes with Mesenchymal Stem Cells in a Perfusion Chip System: Study on Effect of Co-Encapsulation and Perfusion on Hepatocyte Metabolic Activity.”
Advisor: Matthew, Howard

71. Cofield, Cherie (Doctoral Student)
Department of Nursing, College of Nursing

Abstract Title: “The Effects of a Mindfulness Martial Arts Intervention on Reducing Chronic Pain in Adolescents with Sickle Cell Disease.”
Advisor: Vallerand, April Hazard

72. Wallace-Povirk, Andrea (Doctoral Student)
Cancer Biology Graduate Program, School of Medicine

Abstract Title: “Targeting Mitochondrial and Cytosolic One-Carbon Metabolism in Epithelial Ovarian Cancer via Folate Receptor Alpha.”
Advisor: Matherly, Larry

73. Wallin, Chela (Doctoral Student)
Department of Psychology, College of Liberal Arts & Sciences

Abstract Title: “Preconceptional, Gestational, and Postpartum Buprenorphine Exposure in Rats: Litter Outcomes, Development, and Adolescent Behavior.”
Advisors: Brummelte, Susan & Bowen, Scott

74. Wan, Junmei (Master’s Student)
Center for Molecular Medicine & Genetics, School of Medicine

Abstract Title: “Effect of Cytochrome C Threonine 58 Phosphorylation on Respiration and Apoptosis.”
Advisor: Hüttemann, Maik

75. Watuthanthrige Perera, Madusha Lakshani (Doctoral Student)
Department of Chemistry, College of Liberal Arts & Sciences

Abstract Title: “Mapping of Genomic Uracils Created by Human AID in Mammalian and Bacterial Genomes.”
Advisor: Bhagwat, Ashok
76. Weeraratne, A. D. K. Isuri (Doctoral Student)
   Department of Chemistry, College of Liberal Arts & Sciences
   Abstract Title: “Early Transition Metal Complexes as Molecular Rectifiers.”
   Advisor: Verani, Claudio

77. Willock, Aaron (Doctoral Student)
   Department of Computer Science, College of Engineering
   Abstract Title: “Engine Control: Calculating Worst-Case Demand via the Knapsack Problem.”
   Advisor: Fisher, Nathan

78. Willis, Tamarie (Doctoral Student)
   Department of Social Work, School of Social Work
   Abstract Title: “Individuals with Mental Illness Who Have Multiple Encounters with Law Enforcement.”
   Advisor: Comartin, Erin

79. Yan, Yan (Doctoral Student)
   Department of Biomedical Engineering, College of Engineering
   Abstract Title: “Multi-Parametric Acoustic Imaging for Collagen Remodeling to Indicate Cervical Insufficiency.”
   Advisor: Mehrmohammadi, Mohammad

80. Yin, Qin (Doctoral Student)
   Department of Psychology, College of Liberal Arts & Sciences
   Abstract Title: “Scene Complexity Visual Alpha Modulations Facilitate Memory Development.”
   Advisor: Ofen, Noa

81. Yu, Qiuye (Doctoral Student)
   Department of Electrical & Computer Engineering, College of Engineering
   Abstract Title: “Characterizing the Vibration Behavior in the Crack Vicinity in Sonic Infrared Imaging NDE.”
   Advisor: Han, Xiaoyan

82. Zafar, Mohsin (Doctoral Student)
   Department of Biomedical Engineering, College of Engineering
   Abstract Title: “Development of 16 Element Low Cost Photoacoustic Computed Tomography System.”
   Advisor: Avanaki, Mohammad

83. Zarb, Audrey (Doctoral Student)
   Department of Civil & Environmental Engineering, College of Engineering
   Abstract Title: “A Comparison of Standard Culture Versus Molecular Methods for Evaluating Microbial Biofilms in Residential Point-Of-Use Filters.”
   Advisor: McElmurry, Shawn

84. Zhang, Qian (Doctoral Student)
   Department of Pharmaceutical Sciences, Eugene Applebaum College of Pharmacy and Health Sciences
   Abstract Title: “Mdig Acts as an Antagonist for Repressive Histone Methylation Markers.”
   Advisor: Chen, Fei
85. Zhu, Ruimin (Doctoral Student)  
Department of Physiology, School of Medicine  
Abstract Title: “Proinsulin Misfolding Due to Defective ER Export in Pancreatic Beta Cells.”  
Advisor: Chen, Xuequn

86. Munasinghe, Hashini (Doctoral Student)  
Department of Chemistry, College of Liberal Arts & Sciences  
Abstract Title: “Bimetallic Trifluoroacetates as Single-Source Precursors for Alkali-Manganese Fluoroperovskites.”  
Advisor: Rabuffetti, Federico
3MT COMPETITION

1. Alali, Kawthar (Master’s Student)  
   Department of Pharmaceutical Sciences, Eugene Applebaum College of Pharmacy and Health Sciences  
   Presentation Title: “Marijuana Effects on Crash Avoidance Reaction Time.”  
   Advisor: Commissaris, Randall

2. Cameron, Alexandra (Doctoral Student)  
   Department of Social Work, School of Social Work  
   Presentation Title: “Social Suicide, Resilience, and the Mediating Factors Between Bullying and Suicidal Ideation.”  
   Advisor: Kral, Michael

3. Damschroder, Deena (Doctoral Student)  
   Department of Physiology, School of Medicine  
   Presentation Title: “Flies Running to the Rescue of Barth Syndrome Patients.”  
   Advisor: Wessells, Robert

4. Joshwa, Bincy (Doctoral Student)  
   Department of Nursing, College of Nursing  
   Presentation Title: “Determination of Fatigue in Dialysis Population: A Multidimensional Approach.”  
   Advisor: Vallerand, April

5. Meyer, Danielle (Doctoral Student)  
   Department of Pharmacology, School of Medicine  
   Presentation Title: “50 Grains of Sand: The Legacy Effects of Low-Level Chemical Exposures.”  
   Advisor: Baker, Tracie

6. Palazzolo, Thomas (Doctoral Student)  
   Department of Computer Science, College of Engineering  
   Presentation Title: “Performing Archaeology with Artificial Intelligence.”  
   Advisor: Reynolds, Robert

7. Perry, Erin (Doctoral Student)  
   Department of Communication, College of Fine, Performing & Communication Arts  
   Presentation Title: “How Do Journalist-Audience Relationships Online Affect the Perception of Journalists, News Products and the Profession?”  
   Advisor: Vultee, Fred

8. Piehl, Joshua (Doctoral Student)  
   Department of Mechanical Engineering, College of Engineering  
   Presentation Title: “Explosions: Understanding Catastrophic Events for Power Generation.”  
   Advisor: Samimi-Abianeh, Omid

9. Sharma, Akhil (Doctoral Student)  
   Department of Pharmaceutical Sciences, Eugene Applebaum College of Pharmacy and Health Sciences  
   Presentation Title: “Protein Parkin - A Promising Drug Target for Methamphetamine Addiction.”  
   Advisor: Moszczynska, Anna
ALUMNI PANEL DISCUSSION

Chuck Jackson is the president of Community Social Services of Wayne County (CSSWC). He earned a PhD in Sociology from Wayne State and brings nearly three decades of experience in human services organizations. Dr. Jackson started his career at Starr Commonwealth, where he rose from resident counselor to executive vice present and chief clinical officer. CSSWC has been providing a broad range of human services for 70 years in Southeast Michigan serving everyone from infants to senior citizens with the mission of rebuilding broken lives and restoring dignity.

Casandra Ulbrich is president of the State Board of Education. She was elected in 2006 and re-elected in 2014 to serve a second eight-year term expiring January 1, 2023. The first in her family to attend college, Dr. Ulbrich earned a PhD in communication from Wayne State. She has spent the majority of her career in higher education administration. Currently she is the Vice President for College Advancement and Community Relations at Macomb Community College, where she oversees the marketing and communications, public relations, cultural affairs and the foundation. Before joining Macomb Community College in 2011, Dr. Ulbrich worked at Wayne State University for over ten years. Earlier in her career, she was press secretary to former U.S. House Democratic Whip David Bonior, acting as the official spokesperson for the Congressman.

Marsha Parker is a learning and development leader at Ford Motor Company and currently leads the transformation of instructional design services for the Global Learning and Development (L&D) organization. With more than 10 years in the field of instructional design and analytics, she is an experienced performance strategist, designer, and coach. Dr. Parker is a thought leader in analyzing learning trends, creating data driven organizations, and building internal people capability. Having received her PhD from Wayne State University in Instructional Technology and Design, Dr. Parker is a recognized speaker within the human performance industry and serves as adjunct faculty at University of Phoenix – Adult Education & Training and LaSalle University -Graduate program in Analytics.

Gnanada Joshi joined the Department of Biology at the University of Detroit Mercy in 2016 as an instructor and was promoted to assistant professor in 2018. She teaches anatomy and physiology, comparative anatomy, applied nutrition, advanced human anatomy to pre-health professional students and general biology courses. She is interested in studying the effects of low dose x-irradiation exposures in fruit flies and understanding the underlying DNA repair mechanisms associated with these exposures. She earned her PhD in biology from Wayne State in 2014.
THE GRADUATE SCHOOL CONTRIBUTING ADMINISTRATION AND STAFF

Dr. Ingrid Guerra-Lopez, Interim Dean

Dr. Sharon Lean, Associate Dean, Student Services

Dr. Todd Leff, Associate Dean, Student Career Development

Dr. Sokol Todi, Associate Dean, Compliance and Postdoctoral Development

Kristy Case, Web Writer/Editor

Shantelle Cavin, Graduate Programs Outreach Specialist

Tricia Koufes, Manager, Dean’s Office

Terri Renaud, Program Project Assistant

KaRie Jorah Rood, Event Specialist

Karen Schramm, Manager, Ph.D. Awards and Events

Caterina Schueler, Executive Assistant to the Dean of the Graduate School

Natalie Walker, Graduate Student Assistant

Amanda Walter, Graduate Student Assistant/Symposium Coordinator

Mary Wood, Program Director

Special Thanks to Dr. Ambika Mathur, former Dean of the Graduate School
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