

Portfolio

9:00 a.m. - 9:10 a.m.	GR 080	Presentation
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 002	Multi-Head Attention in Single Cell Variational Autoencoders
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 003	Evaluating FEEDHHA from Commercial Fertilizers as an Electrolyte for an All-Iron Aqueous Redox Flow Battery
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 012	GIS Analysis and Mapping of Parking Reductions in Grand Rapids, MI
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 012	Assessing the Role of the Chaperone Protein TRAP1 on Modulating α -synuclein in the <i>Drosophila</i> Model of Parkinson's Disease
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 019	Be Mindful Juniors
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 020	Exploring Insulin Signaling Genes Across <i>Drosophila</i> Genomes: A Classroom Research Experience in Comparative Genomics using the PATHWAYS Project
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 025	Physiologic Effects of Beetroot on Pulmonary Arteries
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 033	Ethical Leadership in Relation to Perceived Organizational Support and Job Satisfaction
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 034	Understanding the Role of AI in Job Crafting - Literature Review and Proposed Model
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 035	Understanding How the Components of Perceived Overqualification Impact Job Satisfaction
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 036	Do Big-Five Personality Traits (Conscientiousness and Agreeableness) Predict Perceived Work Ability Above and Beyond Job Stress?
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 037	Effects of Oxidative Stress on the Generation of ATP by <i>Galleria mellonella</i>
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 040	Short-Term Changes in Soil Organic Carbon Fractions Due to Prescribed Sheep Grazing
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 042	Isoforms of GAP-43: Making Connections to Alzheimer's Disease
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 043	A Diatom Voucher Flora of Pierce Ponds
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 049	Animal Assisted Therapy Effects on Nursing Students' Test Anxiety
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 053	Debriefing Tools Within the Critical Care Setting
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 059	Suicidality in Autistic College Students
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 062	Transitioning New Graduate Nurses into the Emergency Department
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 085	Lanthanide and Actinide Coordination Chemistry Using Butyl-substituted Multidentate CPMO Compounds
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 086	The Identification of Phenotypes Associated with Mutations in the AANAT7 - γ Gene in <i>Drosophila melanogaster</i>
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 089	Breast Cancer Staging and the Importance of Early Detection
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 090	Advancing Microfossil Processing Techniques and Faunal Analysis from the Duchesne River Formation, Uinta Basin, Utah
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 096	Histological Analysis of <i>Macaca mulatta</i> Dura Mater Collagen Fiber Organization
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 097	The Motivations and Practices of West Michigan Anglers
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 100	Gremlin and Stress-Related Behavior Following Long-Term Alcohol Withdrawal
9:00 a.m. - 10:00 a.m.	HENRY HALL ATRIUM 101	A Student's Perspective on Nursing Scholarship: Exploring the Value and Impact of the DNP-prepared Nurse
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 033	Identifying Bat Species Through Fecal Samples
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 041	Observing the Causes and Effects of Scoliosis in an 80 Year-Old Female Cadaver
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 042	Acute Toxicity of Cadmium in Larvae of the Greater Wax Moth
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 043	Understanding Partner Social Dance: Motion Analysis of Salsa Dance
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 051	A Data-Driven Analysis of Health Informatics Graduate Education in the United States
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 056	Cooler Coastal Environments of the Oligocene US East Coast
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 061	Algal Responses to Nitrogen and Phosphorus Inputs in Wetlands of a Large River Mouth Ecosystem
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 065	Effects of ATG13 on <i>Schmidtea mediterranea</i> Regeneration
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 068	The Cat Gene and its Effect on <i>D. melanogaster</i>
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 080	Guided Nature Forest Therapy
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 091	Volunteer Management Perceptions and Sentiments About Court-Ordered Volunteers
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 092	Does the Way Candida auris Differs from Candida albicans in One Protein Family Relate to its Drug Resistance or Emergence as an Urgent Threat to Human Health?
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 093	Caffeine, Resistance Exercise, and the Cardiovascular Effects: A Review of the Literature
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 054	Core Muscle Activation During Lateral Trunk Rotation Using Core-Stix Resistance Poles
9:00 a.m. - 10:00 a.m.	KIRKHOFF CENTER GR 073	Identifying Evolvability-Enhancing Mutations via Computational Models
9:00 a.m. - 1:00 p.m.	HENRY HALL ATRIUM 048	U.S. Mental Maps of Northern Lower Peninsula Michiganders: Mapping Perceptions of the U.S. South
9:00 a.m. - 1:00 p.m.	KIRKHOFF CENTER GR 052	Utilizing High-Temperature Melting for Lanthanide Trichloride Complex Synthesis with dppmO ₂
9:00 a.m. - 1:00 p.m.	KIRKHOFF CENTER GR 095	Effects of Dry Needling, Craniosacral Therapy, and Sound Vibration on Brain Waves, Autonomic Regulation and Muscle Tension
9:00 a.m. - 2:00 p.m.	KIRKHOFF CENTER GR 003	Healing Through Creativity
9:00 a.m. - 3:00 p.m.	HENRY HALL ATRIUM 007	Habitat Hero: Community Science and Participatory GIS as a Framework for Urban Pollinator Habitat Restorations
9:00 a.m. - 3:00 p.m.	HENRY HALL ATRIUM 041	Exploring Selenium Chemistry: Synthesis and Characterization of Novel Organoselenium and Phosphorus Compounds
9:00 a.m. - 3:00 p.m.	HENRY HALL ATRIUM 065	From Curiosity to Discovery: Development of a Course-Based Research Experience
9:00 a.m. - 3:00 p.m.	HENRY HALL ATRIUM 093	Examination of How Expression of the dj-1beta Gene Impacts Oxidative Stress Levels and the Phenotype of the Adult Eye in <i>Drosophila melanogaster</i>
9:00 a.m. - 5:00 p.m.	HENRY HALL ATRIUM 075	Michigan Tri-Share Policy Analysis and Evaluation
9:00 a.m. - 5:00 p.m.	KIRKHOFF CENTER GR 016	Determining the Identity of Histamine Metabolites in the CNS of <i>Drosophila melanogaster</i> Using Mutations that Disrupt Histamine Metabolism
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 018	Scapular Stability Muscle Activation During Multiplanar Shoulder Exercise Using Fiberglass Resistance Poles
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 024	An Evaluation of Monocyte Distribution Width as a Sepsis Biomarker
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 026	Comparing Pelvic Dimensions of Precocial and Altricial Species to Investigate Human "Secondary Altriciality"
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 027	Environmental Necessities and Schools of Choice for Children Living in the Detroit Area
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 030	Using Next-Generation Gene Sequencing for Enhanced Surveillance and Treatment of Multi-Drug Resistant Microorganisms
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 039	Evaluation of Restoration Efforts on a Lake Superior Coastal Wetland
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 044	Advanced Practice Nursing Competencies, Roles and Outcomes: A Global Assessment
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 051	Investigating Sensory Processing: an In-Depth Look into the Synaptic Connection between Layer I Single Bouquet Cell (SBC) and Neurogliaform Cell (NGFC) and the Pyramidal Neurons They Target
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 061	Evaluating Preconditioner Performance of Quantum Many-Body Systems
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 067	Creating Chemistry Learning Materials for Use in CVSU Tutoring Centers
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 073	Exploring the Mechanisms of Neurogenesis in the Adult Pig Eye Using a Multiple Cell Culture System
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 073	Identifying the Key Amino Acids within DUSP8 Protein that Determine its Activity
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 076	Investigating Shared and Unique Associations on People-related Terms in School-aged Children and Large Language Models (LLMs - ChatGPT)
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 087	Literature Review of Bedside Report in the Nursing Role
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 088	Anatomical and Clinical Implications of an Eye Removal Surgery: A Case-Study
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 095	Impact of Mentoring and Intergenerational Programs at CVSU on Older Adults
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 098	Comparison of Pituitary Gonadotropin Concentrations Between Three Strains of Mice
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 101	Gremlin and Stress-Related Behavior Following Long-Term Alcohol Withdrawal
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 012	All Behavior is Communication: Trauma-Informed Classroom Strategies
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 016	Pick Me Up: A Chapbook of Poetry and Resources
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 017	Painting a Brighter Future: The Power of Creative Arts in Overcoming Childhood Trauma
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 025	The Impact of the Mediterranean Diet on Inflammation in Adults with Systemic Lupus Erythematosus (SLE)
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 027	Physical activity on depression in nurses
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 029	Alternative Splicing and MicroRNA Regulation in Thymoma
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 030	A Comparative Machine Learning Framework for Predicting Pharmacy Type Selection in the United States
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 053	A Replication and Comparison of 'Predisposing, Enabling, and Need Factors Driving Pharmacy Type Choice in The US' Using 2021 NCSCME-PR Data
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 055	Characterizing the Aggregation Process of the Functional Amyloid Kassinin
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 069	Quebec Wildfires 2023
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 078	Habitat Suitability of Eastern Massasauga Rattlesnakes in the Lower Peninsula of Michigan
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 079	Cannabinoid Influence on Eating Motivation in Rodents
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 083	Unlocking Memories: The Power of Mnemonics for Dementia Care
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 086	Recreational Therapy in Schools: Avenue to Holistic Learning
10:00 a.m. - 11:00 a.m.	KIRKHOFF CENTER GR 094	Glitches in the System: Are EHRs Putting Patients at Risk?
10:00 a.m. - 11:00 a.m.	HENRY HALL ATRIUM 060	Synthesis of a Biogenic Amine
10:00 a.m. - 12:00 p.m.	HENRY HALL ATRIUM 102	Does Rejection and Ignoring Impact an Individual's Feeling of Physical Safety?
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 035	An Investigation of Reactivity and Stereospecificity on the Epoxidation and Diels-Alder Reaction of Unique Chalcones
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 066	Effects of Oral Contraceptive Use and Cervical Cancer in Women
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 077	Can Photos Depict the Mental Health of Grand Valley State University Students?
10:00 a.m. - 1:00 p.m.	HENRY HALL ATRIUM 013	Raising the Steaks: Examining Cattle Exploitation at the Archaeological Site of Tel Dan, Israel
10:00 a.m. - 3:00 p.m.	KIRKHOFF CENTER GR 011	Insights into Myoburn Toxicity in an Invertebrate Model for Applications in Atherosclerotic Cardiovascular Disease
10:00 a.m. - 4:00 p.m.	HENRY HALL ATRIUM 092	Dancing Away Boredom: Evaluating the Impact of Dance Movement Therapy on Healthcare Workers' Well-being and Compassion Satisfaction
10:00 a.m. - 4:00 p.m.	HENRY HALL ATRIUM 092	Preoperational Thinking and Conspiratorial Belief
10:00 a.m. - 12:00 p.m.	HENRY HALL ATRIUM 074	Influence of Redox Species Identity on Analyte Particle Transport in Single Entity Electrochemical Collisions
10:00 a.m. - 12:00 p.m.	HENRY HALL ATRIUM 004	Defining the Herd: Using Virtual Anthropology to Distinguish Sheep and Goat at the Archaeological Site of Tel Dan, Israel
10:00 a.m. - 12:00 p.m.	HENRY HALL ATRIUM 004	The Company of Caprines: Applying Geometric Morphometrics to Animal Bone at the Archaeological Site of Tel Dan, Israel
10:00 a.m. - 12:00 p.m.	HENRY HALL ATRIUM 016	Bridging the Gap: Integrating Basic Needs Assessment in University Counseling Center Triage
10:00 a.m. - 12:00 p.m.	HENRY HALL ATRIUM 025	Exploring Insulin Signaling Genes Across <i>Drosophila</i> Genomes: A Classroom Research Experience in Comparative Genomics using the PATHWAYS Project
10:00 a.m. - 12:00 p.m.	HENRY HALL ATRIUM 029	The Role of Cross-Departmental Communication in Enhancing Clinical Laboratory Efficiency and Patient Outcomes, Diagnostic Error Reduction and Workflow Optimization
10:00 a.m. - 12:00 p.m.	HENRY HALL ATRIUM 031	Artificial Intelligence in Hematological Diagnostics: Advances and Challenges
10:00 a.m. - 12:00 p.m.	HENRY HALL ATRIUM 047	Influences of Unionoid Mussels on Aquatic Benthic Macroinvertebrate Community Structure at Confluences in the Lower Grand River
10:00 a.m. - 12:00 p.m.	HENRY HALL ATRIUM 052	Fog Intervention on Sleep Quality and Stress in Nurses
10:00 a.m. - 12:00 p.m.	HENRY HALL ATRIUM 063	Fine Dining Restaurants Market
10:00 a.m. - 12:00 p.m.	HENRY HALL ATRIUM 083	Alpha-Synuclein and Septin 1 in a <i>Drosophila</i> Ovarian Follicle Cells Model: Exploring Synucleins Beyond Neurodegeneration
10:00 a.m. - 12:00 p.m.	HENRY HALL ATRIUM 101	Gremlin and Stress-Related Behavior Following Long-Term Alcohol Withdrawal
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 005	The Role of Medical Laboratory Scientists: Staffing Challenges, Turnaround Times, and Impacts on Patient Care
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 020	Storage Optimization for Kidney Transplantation
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 037	Kinetic Characterization of ADC-73, a prevalent class C β -lactamase expressed in <i>A. baumannii</i>
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 038	Understanding the Relationship Between Different Dimensions of Social Exclusion and Perceived Physical Safety
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 044	The Essential Role of the Pkn Gene in <i>Drosophila melanogaster</i> : Insights into Developmental Defects and Wing Morphology
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 046	Exploring the Correlation Between Emotional Well-being and Academic Success in College Students Using AgileBrain
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 049	Isotachopheresis Spacer Ion Optimization for <i>Escherichia coli</i> and <i>Lactobacillus casei</i> Separation
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 051	Understanding Partner Social Dance: Motion Analysis of Salsa Dance
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 062	Comparison of Clumped Isotope, Raman Spectroscopy, and Calcite Microstructural Constraints on Burial and Exhumation of the Laventille Formation, Northern Range, Trinidad
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 081	Analysis of the Overexpression of Alpha-Synuclein on the Stathmin Gene and its Results on the Phenotype of the Ovary in <i>Drosophila melanogaster</i>
10:00 a.m. - 12:00 p.m.	KIRKHOFF CENTER GR 099	Edge Covers of Joint Tadpole Graphs
10:00 a.m. - 1:00 p.m.	HENRY HALL ATRIUM 011	Structural Weighted Stigma in Healthcare
10:00 a.m. - 1:00 p.m.	HENRY HALL ATRIUM 015	Sauna Bathing as a Cardiovascular Intervention: A Systematic Review
10:00 a.m. - 1:00 p.m.	KIRKHOFF CENTER GR 031	Targeting the Human Histamine H3 Receptor for Myelin Repair in Multiple Sclerosis: Computational Identification of Potential Small Molecule Inhibitors
10:00 a.m. - 1:00 p.m.	KIRKHOFF CENTER GR 096	Developing an Intervention Fidelity Measurement Plan: The Em-Power Study
10:00 a.m. - 2:00 p.m.	HENRY HALL ATRIUM 043	Isoforms of GAP-43: Making Connections to Alzheimer's Disease
10:00 a.m. - 2:00 p.m.	KIRKHOFF CENTER GR 040	Incidence of De Novo Arteriovenous Malformations After Mild or Severe Brain Injury: A Case Discussion and Analysis of Similar Reports
10:00 a.m. - 3:00 p.m.	KIRKHOFF CENTER GR 075	Coral Image Classification Using Underwater Image Enhancement
10:00 a.m. - 5:00 p.m.	HENRY HALL ATRIUM 045	Modeling Molten Lithium Carbonate
10:00 a.m. - 5:00 p.m.	KIRKHOFF CENTER GR 026	Synthesis and Microbiological Testing of Potential Tuberculosis Antibiotics
10:00 a.m. - 1:00 p.m.	KIRKHOFF CENTER ATRIUM 009	Identification of AANAT7- γ Expression Using the UAS-GAL4 System in <i>D. melanogaster</i> to Determine Where Histamine Acetylation is Occurring in vivo
10:00 a.m. - 1:00 p.m.	HENRY HALL ATRIUM 010	How Can I Learn About Gas Behavior? An Analysis of How YouTube Videos Help Support Students' Understanding of Gas Behavior
10:00 a.m. - 1:00 p.m.	HENRY HALL ATRIUM 021	Burnout and Compassion Fatigue in Healthcare Workers
10:00 a.m. - 1:00 p.m.	HENRY HALL ATRIUM 054	Impact of Physical Activity on Nursing Students' Mental Health
10:00 a.m. - 1:00 p.m.	HENRY HALL ATRIUM 066	Falcon to Falcon: Soaring Toward Peace with Peer Mediation
10:00 a.m. - 1:00 p.m.	HENRY HALL ATRIUM 069	An Investigation of Chalcone Reactivity on Synthesized Epoxides and Episulfides: Characterizing Stereospecificity
10:00 p.m. - 1:00 p.m.	HENRY HALL ATRIUM 071	Awe and Metaphor
10:00 p.m. - 1:00 p.m.	HENRY HALL ATRIUM 077	Characterization of ADC-218: Kinetic Profiling and Comparative Analysis with ADC-212
10:00 p.m. - 1:00 p.m.	HENRY HALL ATRIUM 084	Investigating Shared and Unique Associations on People-related Terms in School-aged Children and Large Language Models (LLMs - ChatGPT)
10:00 p.m. - 1:00 p.m.	KIRKHOFF CENTER GR 001	Icelandic Volcanic Eruptions 2019-2023 and Impacts on Respiratory Health
10:00 p.m. - 1:00 p.m.	KIRKHOFF CENTER GR 010	Neurodivergence: The Divergence of a Term
10:00 p.m. - 1:00 p.m.	KIRKHOFF CENTER GR 019	Design and Synthesis of Amides to Treat Tuberculosis
10:00 p.m. - 1:00 p.m.	KIRKHOFF CENTER GR 032	Nature's Truth Supplement Including Red Beetroot Induce Vasodilation in Porcine Coronary Arteries
10:00 p.m. - 1:00 p.m.	KIRKHOFF CENTER GR 035	Urban-Rural Disparities in Trust for Medication Information: Physicians vs. Pharmacists
10:00 p.m. - 1:00 p.m.	KIRKHOFF CENTER GR 035	Erector and Paraspinal Muscle Activation During Backward Torso Rotation Using Fiberglass Resistance Poles
10:00 p.m. - 1:00 p.m.	KIRKHOFF CENTER GR 057	Synthesis of Tuberculosis Antibiotics with Various Halogen Substitution
10:00 p.m. - 1:00 p.m.	KIRKHOFF CENTER GR 059	Designing Tuberculosis Drugs with Increasing Ester Chains
10:00 p.m. - 1:00 p.m.	KIRKHOFF CENTER GR 063	The Burden of Disease: Impacts on the Occupied Palestinian Territory
10:00 p.m. - 1:00 p.m.	KIRKHOFF CENTER GR 071	Exploring Geohydrological Challenges in Constructing Wetlands Using Monitoring Wells and Sedimentary Profiles at a Field Site in South Central Michigan
10:00 p.m. - 1:00 p.m.	KIRKHOFF CENTER GR 089	Structural and Functional Studies of Bacilliredoxins: Enzymes Involved in Redox Homeostasis in Gram-Positive Bacteria
10:00 p.m. - 1:00 p.m.	KIRKHOFF CENTER GR 098	"We must Cultivate Our Garden": Interpreting Voltaire's <i>Candide</i> (1759)
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 023	Health Literacy and Its Impact on Patient Compliance and Health Outcome
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 043	Isoforms of GAP-43: Making Connections to Alzheimer's Disease
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 080	Synthesis of TB Antibiotics: Cinnamamide Derivatives
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 084	PKC1 Knockdown in the Presence of Alpha-Synuclein in <i>Drosophila</i>
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 073	Improving Efficiency of Underlying Solvers for Quantum Scattering
10:00 p.m. - 3:00 p.m.	HENRY HALL ATRIUM 043	Isoforms of GAP-43: Making Connections to Alzheimer's Disease
10:00 p.m. - 3:00 p.m.	KIRKHOFF CENTER GR 058	Synthesis of TB Antibiotics with Naphthylene Substituted Amides
10:00 p.m. - 5:00 p.m.	KIRKHOFF CENTER GR 075	Assessing the Impact of Timber Harvesting on Soil Erosion and Sediment Transport in the Au Sabie Watershed
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 001	An Expanding Role of Protein Kinase N (Pkn) as a Rho1 Effector in <i>Drosophila melanogaster</i>
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 017	Unsheltered and Underserved: Increasing Access for the Most Vulnerable
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 022	Neglected Tropical Diseases as a Doorway to Discuss Science with Kids
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 025	Exploring Insulin Signaling Genes Across <i>Drosophila</i> Genomes: A Classroom Research Experience in Comparative Genomics using the PATHWAYS Project
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 032	The Impact of an ATG8-Like Gene on Regeneration in <i>Schmidtea mediterranea</i>
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 038	Rescuing <i>Candida albicans</i> Adhesion and Stress Resistance Defects in Yeast-Locked Strains
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 046	Diel Dissolved Oxygen Flucts in Littoral and Open-Water Habitats of Muskegon Lake
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 057	Predicting and Learning in the Chemistry Classroom
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 058	Effect of Polar Mutations in <i>Salmonella enterica</i> Serovar Typhimurium Specific Genes on Fitness and Biofilm Formation
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 064	Synthesis of Antibiotics to Treat Tuberculosis with Electron Donating Groups and Ester Substitutions
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 068	Promoting Paraphernalia in Peru
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 071	Awe and Metaphor
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 081	Synthesis and Analysis of Chalcones to Explore Potential Mechanisms in Epilulfide Formation
10:00 p.m. - 2:00 p.m.	HENRY HALL ATRIUM 082	Characterization of Luminescent Lanthanide Complexes Through Coordination Chemistry
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 002	Analysis of Drugability of Potential Tuberculosis Antibiotics Using Lipinski's Rule of Five
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 008	Understanding Bicuspid Aortic Valve: Global Prevalence, Genetic Factors, Long-Term Outcomes, Treatment Approaches and Knowledge Gaps
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 009	Mercury Analyses of <i>Chironomid</i> Larva and Sediment Within Two Western Michigan Lakes.
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 013	Using Chalcones to Explore Carbonyl Chemistry
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 021	Environmental Connectivity's Effect on Evolutionary Dynamics
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 028	Social Justice Begins with ME!
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 035	Erector and Paraspinal Muscle Activation During Backward Torso Rotation Using Fiberglass Resistance Poles
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 035	Biochemical Characterization of ADC-172, a Class C Beta Lactamase from <i>Acinetobacter baumannii</i>
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 047	Designing Tuberculosis Drugs with Increasing Ester Chains
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 067	The Burden of Disease: Impacts on the Occupied Palestinian Territory
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 074	Exploration of Vulnerabilities and Threat Mitigation of Service Function Chaining in Fog Computing
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 082	Mutational Analysis of Aminoglycoside Nucleotidyltransferase(6)-Ia from <i>Bacillus subtilis</i>
10:00 p.m. - 2:00 p.m.	KIRKHOFF CENTER GR 100	Relationship Between Mood and Cytokines in Treatment-Seeking Veterans.
10:00 p.m. - 3:00 p.m.	KIRKHOFF CENTER GR 035	Erector and Paraspinal Muscle Activation During Backward Torso Rotation Using Fiberglass Resistance Poles
10:00 p.m. - 3:00 p.m.	KIRKHOFF CENTER GR 036	Excavating Compromise: Repatriation and Museum Ethics
10:00 p.m. - 3:00 p.m.	KIRKHOFF CENTER GR 085	Single Entity Electrochemical Collisions of <i>S. saprophyticus</i> in Iodide Solutions at Au Ultramicroelectrodes
10:00 p.m. - 5:00 p.m.	KIRKHOFF CENTER GR 048	Testing a Mindful Intervention to Reduce Cell Phone Use in College Students
10:00 p.m. - 3:00 p.m.	HENRY HALL ATRIUM 025	Exploring Insulin Signaling Genes Across <i>Drosophila</i> Genomes: A Classroom Research Experience in Comparative Genomics using the PATHWAYS Project
10:00 p.m. - 3:00 p.m.	HENRY HALL ATRIUM 055	Macroinvertebrate Bate Diversity Across Wetlands in a Lake Michigan Freshwater Estuary
10:00 p.m. - 3:00 p.m.	HENRY HALL ATRIUM 064	Synthesis of Antibiotics to Treat Tuberculosis with Electron Donating Groups and Ester Substitutions
10:00 p.m. - 3:00 p.m.	HENRY HALL ATRIUM 071	Awe and Metaphor
10:00 p.m. - 3:00 p.m.	HENRY HALL ATRIUM 072	Investigating Shared and Unique Associations on People-related Terms in School-aged Children and Large Language Models (LLMs - ChatGPT)
10:00 p.m. - 3:00 p.m.	HENRY HALL ATRIUM 084	Transfer of Cellulolytic Gene Cel7a into <i>E</i>