

Health Concerns?

Kelli VanDyke

Henry Hall Atrium 104

Presentation	Time	Presenters
Welcome, Traveler	9:00 a.m. – 10:00 a.m.	Claire West

Henry Hall Atrium 106

Presentation	Time	Presenters
Using Normal Mode Analysis to Compare the Conformational Changes Induced by Diazepam and Flumenazil in the $\alpha 1$ - $\beta 2$ - $\gamma 2$ GABA(A) Receptor	12:00 p.m. – 1:00 p.m.	Amber Heist

Kirkhof Center GRR 004

Presentation	Time	Presenters
Detection of Near-Earth Asteroids Using the LISA Spacecraft	9:00 a.m. – 10:00 a.m.	Nicholas Ford

Kirkhof Center GRR 005

Presentation	Time	Presenters
The Use of Anxiolytic Drugs for Treatment of Anxiety in Adolescence Compared to Holistic Methods: A Systematic Review	9:00 a.m. – 10:00 a.m.	Jessica Dole John Gorzynski Terin Hieftje Hope Hopkins

Kirkhof Center GRR 006

Presentation	Time	Presenters
Biochemical and Structural Characterization of Aminoglycoside-O-Nucleotidyltransferase-6Ib from <i>Campylobacter fetus</i>	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Pranav Nalam

Kirkhof Center GRR 007

Presentation	Time	Presenters
Numerically Modeling the Penrose Process	11:00 a.m. – 12:00 p.m.	Ryan Childers

Kirkhof Center GRR 008

Presentation	Time	Presenters
Mindfulness Skills in the Classroom	4:00 p.m. – 5:00 p.m.	Taylor Howell

Kirkhof Center GRR 009

Presentation	Time	Presenters
Expanding Interfaces: A New Look for a New Application	11:00 a.m. – 12:00 p.m.	Hannah Cline

Kirkhof Center GRR 010

Presentation	Time	Presenters
An Exploration of Misophonia in the Literature	12:00 p.m. – 1:00 p.m.	Megan Singer

Kirkhof Center GRR 011

Presentation	Time	Presenters
Exploring Speech Language Pathologist's Practices Related to Acknowledging Stuttering with Preschoolers	10:00 a.m. – 11:00 a.m.	Maisley Kreger

Kirkhof Center GRR 012

Presentation	Time	Presenters
Acute Microvascular Changes in Lower Leg From Pedaling while Playing Video Games	2:00 p.m. – 3:00 p.m., 3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Madalyn Hickey

Kirkhof Center GRR 013

Presentation	Time	Presenters
Preserve or Modify? The Challenge of Accessible Outdoor Recreation	2:00 p.m. – 3:00 p.m.	Alexis Phillips

Kirkhof Center GRR 014

Presentation	Time	Presenters
Impact of Nuclear Level Densities on	10:00 a.m. – 11:00 a.m., 11:00	Grace Kessler

Kirkhof Center GRR 015

Presentation	Time	Presenters
Effect of Brief Pedaling Bouts During One Hour of Video Game Play on Popliteal Artery Diameter and Velocity	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m., 3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Macey Dunn Elizabeth Snelling

Kirkhof Center GRR 016

Presentation	Time	Presenters
Synthesis of Novel Antibiotics to Treat Tuberculosis	9:00 a.m. – 10:00 a.m.	Jonathan Bajko

Kirkhof Center GRR 017

Presentation	Time	Presenters
Whats on the Menu? Autonomy in Treatment Decision Making	1:00 p.m. – 2:00 p.m.	Jonathan McCabe

Kirkhof Center GRR 018

Presentation	Time	Presenters
Daily Physical Activity and Video Game and TV Time on Body Mass Index in Youth: National Youth Fitness Survey	1:00 p.m. – 2:00 p.m.	Meghan Imhoff

Kirkhof Center GRR 019

Presentation	Time	Presenters
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Polishing the Profession: Advances in
Dentistry During the French
Enlightenment

9:00 a.m. – 10:00 a.m.

Marta Grabowski

Kirkhof Center GRR 020

Presentation	Time	Presenters
Investigating the Effects of Light and Temperature on Light Regulating BTB (LRB) Proteins in <i>Arabidopsis thaliana</i>	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Samantha LaMantia

Kirkhof Center GRR 021

Presentation	Time	Presenters
Chronic Obstructive Pulmonary Disease	11:00 a.m. – 12:00 p.m.	Mckenna King

Kirkhof Center GRR 022

Presentation	Time	Presenters
HIV and AIDS: Past, Present, and Future Approach to Treatment and Understanding	11:00 a.m. – 12:00 p.m.	Alexandra Tenney

Kirkhof Center GRR 023

Presentation	Time	Presenters
Multimodal Classification of Single-cell Transcriptional State with Deep Neural Networks	11:00 a.m. – 12:00 p.m.	Hemalatha Sabbineni

Kirkhof Center GRR 024

Presentation	Time	Presenters
Book Bans and Diversity in Stories	12:00 p.m. – 1:00 p.m.	Miranda Willer

Kirkhof Center GRR 025

Presentation	Time	Presenters
How Improper Specimen Collection Effects Turnaround Time	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Briana Doll Jordan Harris Alexandra Montie Emily Voss

Kirkhof Center GRR 026

Presentation	Time	Presenters
ERK1 /2 Inhibition in Type 2 Diabetic Mice	11:00 a.m. – 12:00 p.m.	Joseph Coble

Kirkhof Center GRR 027

Presentation	Time	Presenters
Modeling Single-cell Perturbations through Fine-tuned Variational Autoencoding	1:00 p.m. – 2:00 p.m.	Jagger Denhof John Howland

Kirkhof Center GRR 028

Presentation	Time	Presenters
The IndieTrainer System: Using computerized text analysis to explore possible relationships between parental perceptions and children's phase of PWC skills learning	2:00 p.m. – 3:00 p.m.	Dominik Vanderest

Kirkhof Center GRR 029

Presentation	Time	Presenters
Value-Compressed Sparse Column (VCSC): Sparse Matrix Storage for Redundant Data	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Skyler Ruiters Seth Wolfgang

Kirkhof Center GRR 030

Presentation	Time	Presenters
Stream Team Field Guide	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m.	Jenna Kroft

Kirkhof Center GRR 031

Presentation	Time	Presenters
Cell Type Mixture Deconvolution for Single-cell Data with Deep Neural Networks	9:00 a.m. – 10:00 a.m.	Zsolt Palmer

Kirkhof Center GRR 032

Presentation	Time	Presenters
Associations About People in Young Children: A Distractability Analysis	12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m.	Julia Belinsky Daniel Freeland Melanie Hernandez

Kirkhof Center GRR 033

Presentation	Time	Presenters
Investigation of Silicon Anions: Additions to Alkenes and	12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m.	Keegan Kalisek

Kirkhof Center GRR 034

Presentation	Time	Presenters
Improving Blood Administration Documentation Across Clinical Units	9:00 a.m. – 10:00 a.m.	Megan Urbanick

Kirkhof Center GRR 035

Presentation	Time	Presenters
Effects of Resilience on Social Exclusion	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m., 3:00 p.m. – 4:00 p.m.	Katlyn Griessel Kathryn Karmanos

Kirkhof Center GRR 036

Presentation	Time	Presenters
<i>Salmonella enterica</i> serovar Typhimurium Mutations and Biofilm Formation Under Various Environmental Conditions	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Chelsea Aiken Olivia Camara Kiya Hammond

Kirkhof Center GRR 037

Presentation	Time	Presenters
A Geological Beach Dance: Sieving and Shaking Reveals Processes at Work in Florida's Coastal Sands	2:00 p.m. – 3:00 p.m., 3:00 p.m. – 4:00 p.m.	Kacey Frazier

Kirkhof Center GRR 039

Presentation	Time	Presenters
Status Seeking in Rock Climbing	4:00 p.m. – 5:00 p.m.	Jacob Maring

Kirkhof Center GRR 040

Presentation	Time	Presenters
Molecular Convergence in CAM and C4 Photosynthesis: A Study of Amino Acid Substitutions in Phosphoenolpyruvate Carboxylase Sequences	9:00 a.m. – 10:00 a.m.	Lucinda Eberly David Skidmore

Kirkhof Center GRR 041

Presentation	Time	Presenters
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Canadian Wildfires

9:00 a.m. – 10:00 a.m.

Bryan Heiss

Kirkhof Center GRR 042

Presentation	Time	Presenters
Synthesis of Diphenylurea Antibiotics with a Novel Amine Substitution	12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m.	Emily Agustin–Mazariegos Chloe Alverson Grace Connelly Sophie Wildemann

Kirkhof Center GRR 043

Presentation	Time	Presenters
Encouraging Realism and Mitigating Bias in Multimodal AI with Adversarial Feedback	9:00 a.m. – 10:00 a.m.	Jack Lukomski Dat Nguyen Cardell Taylor Linhao Yuan

Kirkhof Center GRR 044

Presentation	Time	Presenters
Architecting Generative AI for Cross-Generation Across Modalities	9:00 a.m. – 10:00 a.m.	Parker Bernreuter Anthony Boos Hamin Hong Jaiden Ortiz Kyle Scott

Kirkhof Center GRR 045

Presentation	Time	Presenters
Characterizing the Role of Mannitol and Other Sugars in the Aggregation Process of the Functional Amyloid Kassinin	11:00 a.m. – 12:00 p.m.	Lillie Waldron

Kirkhof Center GRR 046

Presentation	Time	Presenters
Analyzing the Fatty Acid Metabolism Gene Expression in Diabetic Mouse Hearts	10:00 a.m. – 11:00 a.m.	Annabel Maag

Kirkhof Center GRR 047

Presentation	Time	Presenters
Post-Mortem Examination of Esophageal Cancer Metastasis in Adult Patient	10:00 a.m. – 11:00 a.m.	Ronald Madrid

Kirkhof Center GRR 048

Presentation	Time	Presenters
Type I Diabetes: The Past, Present, and Future Approaches to its Understanding and Treatment	2:00 p.m. – 3:00 p.m.	Gabriella Vaz Trevisan

Kirkhof Center GRR 049

Presentation	Time	Presenters
Communication and Identity: A Study of Midwestern LGBTQIA+ College Student Experiences Navigating Spaces and Performing Identity	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m.	Bryce Thomas

Kirkhof Center GRR 050

Presentation	Time	Presenters
Synthesis of Diphenyl Ureas Antibiotics with Trifluoromethyl and tert-Butyl Substitutions	12:00 p.m. – 1:00 p.m.	Rachel Duford Hannah Hackett Owen Smythe Parker Van Ess

Kirkhof Center GRR 051

Presentation	Time	Presenters
Assay Validation for Heat Shock Protein (HSP) Measurement from Mammalian Feces	9:00 a.m. – 10:00 a.m.	Sawyer Barton

Kirkhof Center GRR 052

Presentation	Time	Presenters
Computational Studies Varying Metal Combinations in a Bimetallic Complex to Convert Carbon Monoxide into Carbon Dioxide	10:00 a.m. – 11:00 a.m.	Alyssa Hussey

Kirkhof Center GRR 053

Presentation	Time	Presenters
Comprehension of Belief Consistent and Inconsistent Information	9:00 a.m. – 10:00 a.m.	Abby DeSantis Rebecca Dewey Julia Stuckey

Kirkhof Center GRR 054

Presentation	Time	Presenters
Red Beetroot (<i>Beta vulgaris rubra</i>) and Vascular Reactivity in Porcine Coronary Arteries	9:00 a.m. – 10:00 a.m.	Carter Bechtel Matthew Engel Kyle Fish Grace Flanders Daniel Nichols Drew Smith

Kirkhof Center GRR 055

Presentation	Time	Presenters
Vertebrate Microfossil Screen Washing Investigation	12:00 p.m. – 1:00 p.m., 2:00 p.m. – 3:00 p.m.	Maxwell Bishop Dylan Ruitter Elise Voglewede

Kirkhof Center GRR 056

Presentation	Time	Presenters
Investigation of Lake Superior Erosion Rates on the Coast of Michigan's Upper Peninsula	10:00 a.m. – 11:00 a.m.	Michael Baldus Dylan Ruiter

Kirkhof Center GRR 057

Presentation	Time	Presenters
Determining Ideal Laboratory Conditions for <i>Epithemia</i> Growth	12:00 p.m. – 1:00 p.m.	Jade Dawson Haarika Hebbur Sofia Martinez Martinez Parker Miller Ryan Ruppert Olivia Sandman Brett Vincent

Kirkhof Center GRR 058

Presentation	Time	Presenters
Do Mutations that Disrupt the Arylalkylamine N-Acetyltransferase Like 7 (AANATL-7) Gene in <i>Drosophila melanogaster</i> Affect Histamine-like /immunoreactivity in the Larval Central Nervous System?	12:00 p.m. – 1:00 p.m.	Olivia Miller Bushra Rashrash Ashlyn Tyson

Kirkhof Center GRR 059

Presentation	Time	Presenters
Ice Coverage Trends in the Great Lakes Region	1:00 p.m. – 2:00 p.m.	Michael Baldus Dylan Ruiter Andrei Skelly

Kirkhof Center GRR 060

Presentation	Time	Presenters
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Stratigraphy, Petrography, and Carbon Isotope Variability Among Stromatolites During the 2.2 GA Lomagundi–Jatuli Event – 9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m. Maya Giannecchini

Kirkhof Center GRR 061

Presentation	Time	Presenters
Freshwater Algae: A Flora of Common Genera in West Michigan and an Experiment Revealing Interactions Between Diatoms and Cyanobacteria	9:00 a.m. – 10:00 a.m.	Davis Fray Sofia Martinez Martinez Ryan Ruppert

Kirkhof Center GRR 062

Presentation	Time	Presenters
Impact of Mentoring Programs on Older Adults	11:00 a.m. – 12:00 p.m.	Kaitlin Hendrickson

Kirkhof Center GRR 063

Presentation	Time	Presenters
Assessment of Undergraduate Peer-to-Peer Mentor Program Focused on Advising and Student Success: Mentees Satisfaction	2:00 p.m. – 3:00 p.m.	Emma Fairchild Megan Singer

Kirkhof Center GRR 064

Presentation	Time	Presenters
The Parental Perceptions of Adolescent Social Media Use and the Role they Play in Social Media Monitoring	4:00 p.m. – 5:00 p.m.	Kathryn Karmanos Grace LaDouceur

Kirkhof Center GRR 065

Presentation	Time	Presenters
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Assessment of Training Undergraduate
Peer-to Peer Mentors Focused on
Advising and Student Success 1:00 p.m. – 2:00 p.m.

Emma Fairchild
Megan Singer

Kirkhof Center GRR 066

Presentation	Time	Presenters
More Than a Logging Town: Student Perspectives of Two-Eyed Seeing in Blendon Landing	11:00 a.m. – 12:00 p.m.	Rose Chiodo Margaret Jastifer Michelle Oberlin

Kirkhof Center GRR 067

Presentation	Time	Presenters
The Impact of Low Intensity Pedaling versus Non-Pedaling on Gaming Performance	9:00 a.m. – 10:00 a.m.	Joshua Fernando

Kirkhof Center GRR 068

Presentation	Time	Presenters
Comparing Exposure to Pollution in and within Detroit and New Orleans	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m., 3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Griffin Thompson

Kirkhof Center GRR 069

Presentation	Time	Presenters
Exploring the Relationship Between Proximity to Hazardous Waste Treatment, Storage and Disposal Facilities on Life Expectancy in Wayne County	9:00 a.m. – 10:00 a.m., 12:00 p.m. – 1:00 p.m.	Alexander Baetz

Kirkhof Center GRR 070

Presentation	Time	Presenters
Investigation of The Stereoselective Synthesis of Alkenes Using Compounds Containing Phosphorane Functional Groups	11:00 a.m. – 12:00 p.m.	Sierra Papa Brandon Witham

Kirkhof Center GRR 071

Presentation	Time	Presenters
Investigation of Methods of (P=C) and (C=C) Bond Formation	12:00 p.m. – 1:00 p.m.	Jacquelyn Adema Jaden Baldwin Chloe Spradlin

Kirkhof Center GRR 072

Presentation	Time	Presenters
Exploring the Lexical-Semantic Networks of Words for People in School-Age Children Using Repeated Associations	10:00 a.m. – 11:00 a.m., 2:00 p.m. – 3:00 p.m.	Rebekah Cole Ramnit Saini

Kirkhof Center GRR 073

Presentation	Time	Presenters
Effects of Diabetes Education on African American Patients: A Systematic Review	9:00 a.m. – 10:00 a.m.	Isabella Grady

Kirkhof Center GRR 074

Presentation	Time	Presenters
Generational Perspectives of Denglisch in Contemporary Germany	12:00 p.m. – 1:00 p.m.	Kayla Coats Natalie VanAtta

Kirkhof Center GRR 075

Presentation	Time	Presenters
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Allosteric Inhibitors of Telomerase: 10:00 a.m. – 11:00 a.m. Noah Tudor
 Improving the Analysis of Protein–Ligand
 Docking Data with R

Kirkhof Center GRR 076

Presentation	Time	Presenters
The Relationship of the Coronavirus Pandemic on Children’s Social Behavior, Depression, and Anxiety	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m., 2:00 p.m. – 3:00 p.m., 3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Luke Gingras Nicholas Leo

Kirkhof Center GRR 077

Presentation	Time	Presenters
Synthesis of Diphenyl Urea Antibiotics with Chlorine Substitution	12:00 p.m. – 1:00 p.m.	Ian Abbott Morgan Gartland McKenzie Johnson Addison Whitten

Kirkhof Center GRR 078

Presentation	Time	Presenters
Breaking the Silence: Cultural Perspectives on Taboo Language	12:00 p.m. – 1:00 p.m.	Rachel McFall

Kirkhof Center GRR 079

Presentation	Time	Presenters
Down–regulation of Connexin43 (Cx43) in Human Adipose–Derived Stem Cells (hADSC) Preserves Cell Viability in Hypoxia	2:00 p.m. – 3:00 p.m., 3:00 p.m. – 4:00 p.m.	Madison Bohatuk Megan Bohatuk

Kirkhof Center GRR 080

Presentation	Time	Presenters
Supporting Individuals Aging in Place	9:00 a.m. – 10:00 a.m.	Allison Klimek

Kirkhof Center GRR 081

Presentation	Time	Presenters
Research Methods Used to Investigate the Pathophysiology of Parkinson's Disease	1:00 p.m. – 2:00 p.m.	Akash Ranabothu

Kirkhof Center GRR 082

Presentation	Time	Presenters
The Influence of Screen Time on Participation in Physical Activity for Children with a Physical Disability: A Literature Review	3:00 p.m. – 4:00 p.m.	Alexis Phillips

Kirkhof Center GRR 083

Presentation	Time	Presenters
Japanese Language and Dialogue with English Native Speakers	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m., 2:00 p.m. – 3:00 p.m., 4:00 p.m. – 5:00 p.m.	Y Hong Nhu Nguyen

Kirkhof Center GRR 084

Presentation	Time	Presenters
Exploring the Causal Relationship Between Lack of Control in One's Life and Conspiratorial Beliefs	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m., 3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Elias Ghazal Mya Hanna Joshua Kopich Tessa Kramer

Kirkhof Center GRR 085

Presentation	Time	Presenters
Synthesis of Potential Tuberculosis Antibiotics: A Comparison of Novel Diphenylureas	12:00 p.m. – 1:00 p.m.	Allison Doyon Annika Hawley Thien Anh Hoang Ciara Keenan

Kirkhof Center GRR 086

Presentation	Time	Presenters
Integrating Data and Unraveling the Tumor Microenvironment: Advancing Personalized Medicine Strategies in Triple-Negative Breast Cancer	10:00 a.m. – 11:00 a.m.	Subrahmanya Charitha Kodumagulla

Kirkhof Center GRR 087

Presentation	Time	Presenters
Reinvigorating Immune Function in High-risk Childhood Leukemia	11:00 a.m. – 12:00 p.m.	Vincent Sartori

Kirkhof Center GRR 088

Presentation	Time	Presenters
Peru: Solidarity over Charity	11:00 a.m. – 12:00 p.m.	Angie Leedy

Kirkhof Center GRR 089

Presentation	Time	Presenters
Cannabinoids Influence on Eating Motivation in Rodents	1:00 p.m. – 2:00 p.m.	Lauren Lefevre

Kirkhof Center GRR 090

Presentation	Time	Presenters
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Digital Health Literacy: Analyzing Patient Characteristics and Their Influence on Utilizing Online Platforms for Medication Information 10:00 a.m. – 11:00 a.m.

Venkata Jagadish Mandava

Kirkhof Center GRR 091

Presentation	Time	Presenters
The Effects of Acute Exposure to β (beta)-estradiol on Crayfish Behavior and Gonadal Structure	3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Alyson Furstenau

Kirkhof Center GRR 092

Presentation	Time	Presenters
Nuclear Magnetic Resonance Study of Caffeine Dimerization	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Savannah Dzumaryk

Kirkhof Center GRR 093

Presentation	Time	Presenters
Melatonin Effects on Cholinergic Modulation of Dopamine Signaling	9:00 a.m. – 10:00 a.m.	Sydney Zimmerman

Kirkhof Center GRR 094

Presentation	Time	Presenters
Revolutionizing Patient Access with Secure Single Sign-On: Leveraging C# and SQLite for Enhanced Password Management.	12:00 p.m. – 1:00 p.m.	Sundeep Gantyada

Kirkhof Center GRR 095

Presentation	Time	Presenters
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Examining the Association of Herbal
Supplement Usage with Cancer Incidence

2:00 p.m. – 3:00 p.m.

Bushra Rashrash

Kirkhof Center GRR 096

Presentation	Time	Presenters
Supporting Black Men's Mental Health at Grand Valley State University	9:00 a.m. – 10:00 a.m.	Breanna Wallace

Kirkhof Center GRR 097

Presentation	Time	Presenters
Disruption of Genes Necessary for Histamine Metabolism to Determine which Histamine Metabolite is Present in Male Accessory Glands of <i>Drosophila melanogaster</i>	11:00 a.m. – 12:00 p.m.	Marie Adinolfi

Kirkhof Center GRR 098

Presentation	Time	Presenters
Analyzing Animal Resources in the Archaeological Record: Zooarchaeology at the Site of Tel Dan, Israel	1:00 p.m. – 2:00 p.m.	Hannah Horvath

Kirkhof Center GRR 099

Presentation	Time	Presenters
Trait Mindfulness	2:00 p.m. – 3:00 p.m.	Julia Korol

Kirkhof Center GRR 100

Presentation	Time	Presenters
The Role of α -Synuclein in Parkinson's Disease	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m., 3:00 p.m. –	Arash Kordbacheh

4:00 p.m., 4:00 p.m. – 5:00 p.m.

Kirkhof Center GRR 101

Presentation	Time	Presenters
Using GIS To Analyze Seasonal and Temporal Changes in Algae Levels in Lakes in Ottawa County, MI	1:00 p.m. – 2:00 p.m.	Ashtyn Gluck Alexandra Jorns

Kirkhof Center GRR 102

Presentation	Time	Presenters
Synthesis of Antibiotics to Treat Tuberculosis with Electron Donating Groups.	1:00 p.m. – 2:00 p.m.	Brady Curtin Robert Dean Mitchell Goerge Jenna Gutting Grace Puckett

Kirkhof Center GRR 103

Presentation	Time	Presenters
A Case Study of Myofascial Pain Syndrome	2:00 p.m. – 3:00 p.m.	Kiera Welden

Kirkhof Center GRR 104

Presentation	Time	Presenters
Repercussions of Negative Aging Stereotypes	9:00 a.m. – 10:00 a.m.	Esther Belli

Kirkhof Center GRR 105

Presentation	Time	Presenters
Analyzing the Representation of Black Women in the <i>Black Panther</i> Films	1:00 p.m. – 2:00 p.m.	Shajuana Johnson

Kirkhof Center GRR 106

Presentation	Time	Presenters
Effects of Storage Conditions on Stability of Laboratory Specimens	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m.	Mariam Ayad Emily Baumeister Savannah Schwarzwalder

Kirkhof Center GRR 108

Presentation	Time	Presenters
The Clinical Effects of Gender Reassignment	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Ellise Bush Curtis Pek Tyler Staley

Kirkhof Center GRR 109

Presentation	Time	Presenters
Diabetic Testing Methodologies in Correlation with Patient Outcomes	12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m.	Skylar Brouwer Garrett Ebenhoh Maria Gasparotto