

This report is listing off all presentations (presenters, title, time), grouped and ordered by building/room location titles. This report is for SSD 2026 presentations held on April 8, 2026.

Henry Hall Atrium 001

Presentation	Time	Presenters
Examination of Bilateral Asymmetry for Movement Skills Before and After Feedback	9:00 a.m. – 10:00 a.m.	Moritz Hesse John Visnovsky

Henry Hall Atrium 002

Presentation	Time	Presenters
Planting Seeds of Hope: Horticultural Therapy and Depression	9:00 a.m. – 10:00 a.m.	Jaynie Seylhower

Henry Hall Atrium 003

Presentation	Time	Presenters
Effectiveness of Mind-Body Interventions for the Treatment of Anxiety	9:00 a.m. – 10:00 a.m.	Lauren Massa

Henry Hall Atrium 004

Presentation	Time	Presenters
The Use of Aquatic Therapy for Individuals with Parkinson's Disease	9:00 a.m. – 10:00 a.m.	Emily Hermanson

Henry Hall Atrium 005

Presentation	Time	Presenters
Galloping Toward Comfort	9:00 a.m. – 10:00 a.m.	Emily Robinson

Henry Hall Atrium 006

Presentation	Time	Presenters
The Role of Mindfulness for Adults With Eating Disorders	9:00 a.m. – 10:00 a.m.	Kylee Woodward

Henry Hall Atrium 007

Presentation	Time	Presenters
The Effect of pH on Arterial Responses to Cardiovascular Drugs	11:00 a.m. – 12:00 p.m.	Autumn Simms

Henry Hall Atrium 008

Presentation	Time	Presenters
Study of Alpha-Synuclein-Related MicroRNAs in a Parkinson's Disease Cell Model	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Malavika Ravuri Castro Walunywa

Henry Hall Atrium 009

Presentation	Time	Presenters
LeDreamer: Regularized Joint Embeddings for Training Agents Inside of World Models	9:00 a.m. – 10:00 a.m.	Jack Foreback

Henry Hall Atrium 010

Presentation	Time	Presenters
Collisions and Chemistry on Screen: Evaluating Kinetics Content on Youtube	10:00 a.m. – 11:00 a.m.	Mya Hastings

Henry Hall Atrium 011

Presentation	Time	Presenters
Parents' Experiences and Perceptions of Toddlers' Use of the Explorer Mini	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Luke Hulsman

Henry Hall Atrium 012

Presentation	Time	Presenters
Patient Satisfaction in Adult Prosthetic Users: Advanced Technology vs. Traditional Methods	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.	Sophie Biazza Nicholas Gibbons Madilyn Smith Riley Wells

Henry Hall Atrium 013

Presentation	Time	Presenters
Islamic Feminism in Iran	9:00 a.m. – 10:00 a.m.	Maire Noonan

Henry Hall Atrium 014

Presentation	Time	Presenters
RNAi Knockdown of the CDC20 Gene and Its Effect on Regeneration in Planaria	12:00 p.m. – 1:00 p.m.	Qasim Ali

Henry Hall Atrium 015

Presentation	Time	Presenters
ADC-217, a Cephalosporinase Variant from <i>Acinetobacter baumannii</i> that Hydrolyzes Cefepime	12:00 p.m. – 1:00 p.m.	Julianna Cornwell

Henry Hall Atrium 016

Presentation	Time	Presenters
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Implantation of a Medtronic Interstim X Device and the Criteria for Implementation

9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.

Aerolyn Posthumus
Rose Pulte

Henry Hall Atrium 017

Presentation	Time	Presenters
Using GIS to Analyze Isotopic Values for 39 Michigan Lakes	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Raychel Fennell

Henry Hall Atrium 018

Presentation	Time	Presenters
As You Are, Where You Are: A New Solution for Homeless Youth Outreach	9:00 a.m. – 10:00 a.m.	Matthew Hubers

Henry Hall Atrium 019

Presentation	Time	Presenters
Estimating Uncertainties in Neutron Capture Rates for Various Fe Nuclei with TALYS	11:00 a.m. – 12:00 p.m.	Lucas Chouinard

Henry Hall Atrium 020

Presentation	Time	Presenters
A Woman's Place in (West Michigan) Law	2:00 p.m. – 3:00 p.m., 3:00 p.m. – 4:00 p.m.	Hope DuBois Liam Magin Grace Sullivan Adam Walsworth Layne Weatherwax

Henry Hall Atrium 021

Presentation	Time	Presenters
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Grand Rapids Pride, Women's Activism,
and Local LGBTQ+ History

9:00 a.m. – 10:00 a.m., 11:00
a.m. – 12:00 p.m., 12:00 p.m.
– 1:00 p.m.

Christina Carriveau
Anthony Clark
Justin Fuller
Makenna Jones
Sofie Spitael

Henry Hall Atrium 022

Presentation	Time	Presenters
"Women Are Fighting Back": Impact of Women's Resource Centers in Michigan	9:00 a.m. – 10:00 a.m., 3:00 p.m. – 4:00 p.m.	Cassidy Benac Benjamin Crowe Jenna Hoving Grace Klein Julia Vucinaj

Henry Hall Atrium 023

Presentation	Time	Presenters
GVSU Ravine Trails	9:00 a.m. – 10:00 a.m.	Bryan Heiss

Henry Hall Atrium 024

Presentation	Time	Presenters
Music and Dementia	9:00 a.m. – 10:00 a.m.	Emily Sullivan

Henry Hall Atrium 025

Presentation	Time	Presenters
Removing the Mask: What Men Hide Beneath the Surface	9:00 a.m. – 10:00 a.m.	Brandon Melnyk

Henry Hall Atrium 026

Presentation	Time	Presenters
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Social Justice Begins with ME! Curriculum Development	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m., 4:00 p.m. – 5:00 p.m.	Nathan Broek Derek Portillo Adelaide Windsor
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Henry Hall Atrium 027

Presentation	Time	Presenters
Kent County Community Resource Guide	4:00 p.m. – 5:00 p.m.	Brittney Wade

Henry Hall Atrium 028

Presentation	Time	Presenters
Beyond Compliance: A Neuro-Affirming Adaptation of the Transtheoretical Model for Social Work	9:00 a.m. – 10:00 a.m.	Nicole Huber

Henry Hall Atrium 029

Presentation	Time	Presenters
Getting Hired 101	3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Taylor Budd Jordan Caples Katheryn Karas

Henry Hall Atrium 030

Presentation	Time	Presenters
Domestic Violence and Sexual Assault Support Group: A Curriculum	3:00 p.m. – 4:00 p.m.	Sarah Lewin

Henry Hall Atrium 031

Presentation	Time	Presenters
Forward Movement: Health Curriculum for Students with a Cognitive Impairment	4:00 p.m. – 5:00 p.m.	Sarah Cline

Henry Hall Atrium 032

Presentation	Time	Presenters
Preventing Therapist Burnout: A Research-Informed Digital Resource for Ethical and Sustainable Practice	10:00 a.m. – 11:00 a.m.	Shannon Jennings

Henry Hall Atrium 033

Presentation	Time	Presenters
Understanding Adolescent's Social-Emotional Development in the Aftermath of COVID-19 Lockdown	1:00 p.m. – 2:00 p.m.	Nicholas Stevenson

Henry Hall Atrium 034

Presentation	Time	Presenters
Próxima Generación Youth Workforce Development Program	1:00 p.m. – 2:00 p.m.	Christina Williams

Henry Hall Atrium 035

Presentation	Time	Presenters
Big Feelings Toolkit	2:00 p.m. – 3:00 p.m.	Lea Louie

Henry Hall Atrium 036

Presentation	Time	Presenters
The Advantage of Children's Books in Strengthening the Single Mom Household	1:00 p.m. – 2:00 p.m.	Kelli Hiwale

Henry Hall Atrium 037

Presentation	Time	Presenters
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Food Accessibility as a Human Right for
Youth Experiencing Homelessness

12:00 p.m. – 1:00 p.m.

Ella Kage

Henry Hall Atrium 038

Presentation	Time	Presenters
Peer to Peer Interventions: Mindset, Belonging, and Academic Outcomes; An Analysis of Student Experiences	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Teagan Bayne Angel Hughes

Henry Hall Atrium 039

Presentation	Time	Presenters
Synthesis of Phosphine Substituted Azo Dyes using Various Aromatic Compounds for use in Future Trace Metal Detection	11:00 a.m. – 12:00 p.m.	Annika Roy Owen Smythe

Henry Hall Atrium 040

Presentation	Time	Presenters
Improving Urban Pollinator Habitat Conservation Efforts in Grand Rapids, Michigan	10:00 a.m. – 11:00 a.m.	Liga Bergs

Henry Hall Atrium 041

Presentation	Time	Presenters
The SS Edmund Fitzgerald: A 51 Year Mystery	9:00 a.m. – 10:00 a.m.	Matthew Uthe

Henry Hall Atrium 042

Presentation	Time	Presenters
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Effects of Regular Exercise on
Dysmenorrhea in Menstruating Adults: A
Systematic Review

11:00 a.m. – 12:00 p.m.

Livia Ellison
Samantha Knight

Henry Hall Atrium 043

Presentation	Time	Presenters
Targeting Cruzain Using Compounds from the Global Health Priority Box for Drug Development in Chagas Disease	3:00 p.m. – 4:00 p.m.	Elena King

Henry Hall Atrium 044

Presentation	Time	Presenters
Effects of Physical Exercise on Approving Depressive Symptoms: A Systematic Review	3:00 p.m. – 4:00 p.m.	Maxwell Tussing

Henry Hall Atrium 045

Presentation	Time	Presenters
The Reception of Pelagianism and Original Sin in the Pre-Chalcedonian East	1:00 p.m. – 2:00 p.m.	Marcus Myers

Henry Hall Atrium 046

Presentation	Time	Presenters
How Faculty Engagment Impacts Student's Success	11:00 a.m. – 12:00 p.m.	Aamira Rogers Karly Roy

Henry Hall Atrium 047

Presentation	Time	Presenters
Nazi Propaganda in World War II	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Olivia Stepanek

Henry Hall Atrium 048

Presentation	Time	Presenters
How Campus Environment Impacts Emotional Engagment	11:00 a.m. – 12:00 p.m.	Nyla Vander Laan Emma Yonker

Henry Hall Atrium 049

Presentation	Time	Presenters
Bridging Success and Diversity: The Impact of High-Impact Practices on Student Engagement, Learning, and Cross-Cultural Connection	12:00 p.m. – 1:00 p.m.	Megan Bennett Lanesha Spencer

Henry Hall Atrium 050

Presentation	Time	Presenters
Em-Power: Power Wheelchair Skills Capacity Outcomes of Children with Cerebral Palsy	10:00 a.m. – 11:00 a.m., 3:00 p.m. – 4:00 p.m.	Alejandra Brenes

Henry Hall Atrium 051

Presentation	Time	Presenters
Mediated: A Thematic Visual History of Digital Connection	12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m., 3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Christina Bilko Anna McMartin Daniel Pavelich Wyatt Szarejko Kristi Weaver Miranda Willer

Henry Hall Atrium 052

Presentation	Time	Presenters
Sensory-Motor Neural Variability Predicts Social Behavior in Autism Spectrum Disorder	11:00 a.m. – 12:00 p.m.	Karis Gillen

Henry Hall Atrium 053

Presentation	Time	Presenters
Emotional Mysticism and Medieval Authority: Margery Kempe and Catherine of Siena in Comparative Perspective	12:00 p.m. – 1:00 p.m.	Hannah Duran

Henry Hall Atrium 054

Presentation	Time	Presenters
Trial and Error: Urban Redevelopment in Grand Rapids' Downtown and Neighborhoods from 1970 – 2000	2:00 p.m. – 3:00 p.m.	Ava Politi

Henry Hall Atrium 055

Presentation	Time	Presenters
Mass Rocks and Collective Memory of Irish Identity During Penal Laws in Ireland: 1675–1750	3:00 p.m. – 4:00 p.m.	Ava Politi

Henry Hall Atrium 056

Presentation	Time	Presenters
The Action and Complicity of Ordinary People and Officers in Ukraine and Crimea during the Holocaust	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.	Hannah Kaye

Henry Hall Atrium 057

Presentation	Time	Presenters
The Influence that Frightened an Autocrat	2:00 p.m. – 3:00 p.m., 3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Caiden Donnelly

Henry Hall Atrium 058

Presentation	Time	Presenters
History of Immigrant Labor in Detroit 1880–1900	9:00 a.m. – 10:00 a.m.	Liam Magin

Henry Hall Atrium 059

Presentation	Time	Presenters
Women's Labor During World War II	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m., 3:00 p.m. – 4:00 p.m.	Michael Decator

Henry Hall Atrium 060

Presentation	Time	Presenters
Renaissance Court Dance and the Formation of Ballet	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.	Kate Roelof

Henry Hall Atrium 061

Presentation	Time	Presenters
The Spanish Inquisition: Punishment in the Face of Emerging New Ideas	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Grace Sullivan

Henry Hall Atrium 062

Presentation	Time	Presenters
Mutational Analysis of Aminoglycoside Nucleotidyltransferase(6)–Ib from <i>Campylobacter fetus</i> subsp. <i>fetus</i>	1:00 p.m. – 2:00 p.m.	Catey Engel

Henry Hall Atrium 063

Presentation	Time	Presenters
Getting to Know West Michigan Anglers	12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m.	Joseph Cherechinsky Katie Davis Wyatt Merritt Madilyn Roy

Henry Hall Atrium 064

Presentation	Time	Presenters
Understanding the Chicano Movement: Youth Activism and the Fight for Educational Equality	9:00 a.m. – 10:00 a.m., 2:00 p.m. – 3:00 p.m.	Edith Juarez–Rodriguez

Henry Hall Atrium 065

Presentation	Time	Presenters
Receptor Tyrosine–Protein Phosphatase–Type D Gene Knockdown and Planarian Head Regeneration	2:00 p.m. – 3:00 p.m.	Logan Clausen

Henry Hall Atrium 066

Presentation	Time	Presenters
The Relationship Between Diabetes and Depression in Adults: A Systematic Review	11:00 a.m. – 12:00 p.m.	Logan Brusak Devon Roy

Henry Hall Atrium 067

Presentation	Time	Presenters
Novel Halogenated Antibiotic Compounds to Treat <i>Mycobacterium tuberculosis</i>	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Ryan Henk Samuel Petrovich Angel Zoulek

Henry Hall Atrium 068

Presentation	Time	Presenters
Single Crystal X-ray Structures of Lanthanide Triflate Complexes with Thienyl-Substituted Phosphine Oxides	11:00 a.m. – 12:00 p.m.	Evelyn Schab

Henry Hall Atrium 069

Presentation	Time	Presenters
Vision-Enhanced Closed-Loop Control System for Bioprinting	9:00 a.m. – 10:00 a.m.	John Chikwe

Henry Hall Atrium 070

Presentation	Time	Presenters
The Molecular Mechanism for the Degradation of Dual-specificity Phosphatase & Protein	3:00 p.m. – 4:00 p.m.	Lukas Macha

Henry Hall Atrium 071

Presentation	Time	Presenters
Diversity in Spacecraft Trajectories With Deep Reinforcement Learning	11:00 a.m. – 12:00 p.m.	Marcos Sanson

Henry Hall Atrium 072

Presentation	Time	Presenters
Is the Expression of Dual Specificity Phosphatase & Dependent on Mitogen-Activated Protein Kinase activity?	4:00 p.m. – 5:00 p.m.	Chloe Vo

Henry Hall Atrium 073

Presentation	Time	Presenters
Skills on Wheels at Home: Exploring the Effects of Short-term Pediatric Manual Wheelchair Skills Training in Everyday Contexts	10:00 a.m. – 11:00 a.m.	Kennedy Maynard

Henry Hall Atrium 074

Presentation	Time	Presenters
Can Consuming Red Beetroots Effectively Treat High Blood Pressure?	10:00 a.m. – 11:00 a.m., 12:00 p.m. – 1:00 p.m., 2:00 p.m. – 3:00 p.m.	Tejaswini Balla Landon Beiter Alyssa Hussey Faith Lutz Connor Orlando

Henry Hall Atrium 075

Presentation	Time	Presenters
Women's Labor and Cultural Identity in the Preservation of Food Traditions and Comfort Meals	4:00 p.m. – 5:00 p.m.	Hailey Hentz Bee Scannell

Henry Hall Atrium 076

Presentation	Time	Presenters
Exploring Dietary Effects on Renal Stone Formation in <i>Drosophila melanogaster</i>	1:00 p.m. – 2:00 p.m.	Brianna Rhodea

Henry Hall Atrium 077

Presentation	Time	Presenters
Assay Validation of Non-Invasive Heat-shock Protein (HSP) Measurement in Mammalian Feces	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Lauren Koski

Henry Hall Atrium 078

Presentation	Time	Presenters
Epitope Labeling of the AANATL-7 Protein Using CRISPR/Cas9-mediated Homology Directed Repair in <i>D. melanogaster</i>	10:00 a.m. – 11:00 a.m.	Stephanie Michmerhuizen

Henry Hall Atrium 079

Presentation	Time	Presenters
Bridging the Gap: Healthcare Disparities in Underserved American Communities	10:00 a.m. – 11:00 a.m.	Elizabeth Rafferty Josephine Sellenraad

Henry Hall Atrium 080

Presentation	Time	Presenters
Fear of Reporting: How Toxic Work Climates Predict the Willingness to Report Mistreatment at Work	9:00 a.m. – 10:00 a.m.	Zachary Spencer

Henry Hall Atrium 081

Presentation	Time	Presenters
Understanding How Machine Learning Can Reduce Medication Error	9:00 a.m. – 10:00 a.m.	Elise Tchieng

Henry Hall Atrium 082

Presentation	Time	Presenters
Does Perceived Overqualification Affect Interpersonal Deviance at Work, and Does Work Centrality Moderate this Effect?	9:00 a.m. – 10:00 a.m.	Kyra Toburen

Henry Hall Atrium 083

Presentation	Time	Presenters
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To What Extent do Civility Climate, Perceived Organizational Support, and Perceived Supervisor Support Influence Employee Burnout?

9:00 a.m. – 10:00 a.m.

Ava Cybulski

Henry Hall Atrium 084

Presentation	Time	Presenters
Understanding How Nutrition Can Affect Active Job Performance	10:00 a.m. – 11:00 a.m.	Noah Masen

Henry Hall Atrium 085

Presentation	Time	Presenters
Mapping Trends in Michigan AI Data Centers	10:00 a.m. – 11:00 a.m.	Joseph Portelli

Henry Hall Atrium 086

Presentation	Time	Presenters
Cross-Linguistic Influence and Rhotic Pronunciation in Additional Language Acquisition	3:00 p.m. – 4:00 p.m.	Ash Godin

Henry Hall Atrium 087

Presentation	Time	Presenters
Synthesis of Novel Amides with Halogens to Treat Tuberculosis	12:00 p.m. – 1:00 p.m.	Jacob Batha Andrew Medley Shawn Millner

Henry Hall Atrium 088

Presentation	Time	Presenters
Synthesis of Thienyl Phosphine Oxides as Multifunctional Antennas for Lanthanide	11:00 a.m. – 12:00 p.m.	Allison Doyon

Luminescence and $^1\text{O}_2$ Generation

Henry Hall Atrium 089

Presentation	Time	Presenters
Influence of Repeated Predator Odor on Anxiety-Like Behavior in Outbred Mice	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Arnica Sheaffer Liam Small

Henry Hall Atrium 090

Presentation	Time	Presenters
Effects of Breast Milk Feeding on Immune Function in Newborns Within the First Year of Life: A Systematic Review	9:00 a.m. – 10:00 a.m., 1:00 p.m. – 2:00 p.m.	Abigail Azarovitz Marissa Diotte Jacklyn Kimball Carly Krohn

Henry Hall Atrium 091

Presentation	Time	Presenters
Exploration of Resonance in Vinyl Silyl Anions	1:00 p.m. – 2:00 p.m.	Ciara Keenan

Henry Hall Atrium 092

Presentation	Time	Presenters
Scapular Stability Muscle Activation During Multiplanar Shoulder Exercise Using Fiberglass Resistance Poles	10:00 a.m. – 11:00 a.m., 12:00 p.m. – 1:00 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.	Devin Ackerson Avery Blair Connor Brunskole Savannah Carver Andrew Clarent Annalise Eppolito Ella Gaylord Riley Greene Noah Hadley Logan Kirkwood Makenna Kuczynski Morgan Righter Alayna Shores Elia Tasco Zackarey Williams

Henry Hall Atrium 093

Presentation	Time	Presenters
Nursing Healthcare Staffing	4:00 p.m. – 5:00 p.m.	Natalie Nichols Angelica Quiroz Kheyla Rose

Henry Hall Atrium 094

Presentation	Time	Presenters
Sleeps Affect on University Students Performance	9:00 a.m. – 10:00 a.m.	Matthew Brand Olivia Clark Faith DeHoop Cora Elkins

Henry Hall Atrium 095

Presentation	Time	Presenters
Does Yoga Relieve Stress in Nursing Students?	10:00 a.m. – 11:00 a.m.	Grace Geiger Charlotte Hartges Avery Tolstyka Ava Verkeyn

Henry Hall Atrium 096

Presentation	Time	Presenters
The Effects of Animal-Assisted Therapy on Nursing Students' Anxiety Levels	3:00 p.m. – 4:00 p.m.	Avery Huisman Baylee Koski Shania Womack

Henry Hall Atrium 097

Presentation	Time	Presenters
Nurses in Motion	11:00 a.m. – 12:00 p.m.	Abigail Jones Marie Limo Kaitlyn McKinney

Henry Hall Atrium 098

Presentation	Time	Presenters
The Emotional Weight of Caring in Leadership: An Integrative Literature Review of Clinical and Social Work Populations	11:00 a.m. – 12:00 p.m.	Zachary Spencer

Henry Hall Atrium 099

Presentation	Time	Presenters
Visualization of the AANATL7 Protein in the Male Accessory Gland through Generation of a <i>AANALT-7::mCherry</i> Gene Fusion Using a co-CRISPR HDR Gene Conversion Approach	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m.	Joshua Eapen Emily Patterson Susanna Tsueda

Henry Hall Atrium 100

Presentation	Time	Presenters
Impact of M223S Mutation on Catalysis, Structure and Inhibition of OXA-24 Beta-lactamase	2:00 p.m. – 3:00 p.m.	Ashpreet Kaur

Henry Hall Atrium 101

Presentation	Time	Presenters
The Role of Mindfulness in Processing Threatening Health Information Regarding Cellphone Use	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.	Alyssa Noneman Emily Shane

Henry Hall Atrium 102

Presentation	Time	Presenters
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Molecular Collision Modeling: Evaluating Convergence Behavior in the LD-Kohn Approach 2:00 p.m. – 3:00 p.m. Grady Miller

Henry Hall Atrium 103

Presentation	Time	Presenters
Predictive Algorithm Bias Detection Through Unsupervised Learning	12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m.	Brian Rowe

Henry Hall Atrium 105

Presentation	Time	Presenters
The Controversial Jurassic Red Beds of the Michigan Basin	9:00 a.m. – 10:00 a.m.	Jennifer Jones

Henry Hall Atrium 106

Presentation	Time	Presenters
Designing a Sustainable City Center for Allendale, Michigan	1:00 p.m. – 2:00 p.m., 3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Amanda Daniels

Henry Hall Atrium 107

Presentation	Time	Presenters
Functional Dynamics of 1,3-Beta-Glucan Synthase Using Normal Mode Analysis	3:00 p.m. – 4:00 p.m.	Katherine Waker

Henry Hall Atrium 108

Presentation	Time	Presenters
Game or Gambling: Discourse Analysis Surrounding Daily Streaks and Reward Systems	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Nicholas Barberio

Henry Hall Atrium 109

Presentation	Time	Presenters
Relativistic Effects on GPS for an Arbitrary Planet	9:00 a.m. – 10:00 a.m., 11:00 a.m. – 12:00 p.m.	William Adkins

Henry Hall Atrium 110

Presentation	Time	Presenters
Using GIS to Evaluate the Impacts of Mercury Contamination Near Energy Plants in Michigan	3:00 p.m. – 4:00 p.m.	Caleb Hasapis

Kirkhof Center GRR 001

Presentation	Time	Presenters
Sediment Deposition and Benthic Uptake of Mercury in Muskegon Lake	12:00 p.m. – 1:00 p.m.	Emma Van Eerden

Kirkhof Center GRR 002

Presentation	Time	Presenters
An Overview of Rheumatoid Arthritis	9:00 a.m. – 10:00 a.m.	Emma Walker

Kirkhof Center GRR 003

Presentation	Time	Presenters
Characterization of β -lactamase ADC-172 Exhibiting Increased Cephalosporinase Activity with Novel BATSI Inhibitors	12:00 p.m. – 1:00 p.m.	Sophie Wildemann

Kirkhof Center GRR 004

Presentation	Time	Presenters
Measuring Redox Activity of Individual <i>S. saprophyticus</i> in Iodide Solutions Using Single-Entity Electrochemical Collisions	12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m.	Grace Connelly

Kirkhof Center GRR 005

Presentation	Time	Presenters
Hidden Costs of the Game: Trauma, Coaching Practices, and Adolescent Athletes	10:00 a.m. – 11:00 a.m., 3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Nevaeh Hemmes-Palms

Kirkhof Center GRR 006

Presentation	Time	Presenters
Opening the Black-Box of Mental Disorders: An Actor-Network Theory Analysis of Schizophrenia	2:00 p.m. – 3:00 p.m.	Brandalyn Morris

Kirkhof Center GRR 007

Presentation	Time	Presenters
Assessing Seedbank Composition to Support Ecological Restoration of Degraded Oak Savannas in West Michigan	2:00 p.m. – 3:00 p.m.	Chelsea Krum

Kirkhof Center GRR 008

Presentation	Time	Presenters
The West Michigan Index: Understanding its Composition and Evaluating Performance	10:00 a.m. – 11:00 a.m.	Sarah Cole

Kirkhof Center GRR 009

Presentation	Time	Presenters
Association Between Hormonal Birth Control and Alcohol	1:00 p.m. – 2:00 p.m.	Natasha Vaughn

Kirkhof Center GRR 010

Presentation	Time	Presenters
Empowering Teachers and Students to Use a Real-Time Sensing Platform in their After School Programs to Integrate Computational Thinking	10:00 a.m. – 11:00 a.m.	Colin Nagley

Kirkhof Center GRR 011

Presentation	Time	Presenters
Modular Approaches Towards the Synthesis of Ergot Alkaloids and Novel Reference Materials	12:00 p.m. – 1:00 p.m.	Gracie Willett

Kirkhof Center GRR 012

Presentation	Time	Presenters
Scoping Review on Practice-Based Pedagogy in Speech-Language Pathology Education	4:00 p.m. – 5:00 p.m.	Alana Maffesoli

Kirkhof Center GRR 013

Presentation	Time	Presenters
“We Must Cultivate Our Garden”: Interpreting Voltaire’s <i>Candide</i> (1759)	9:00 a.m. – 10:00 a.m.	Aner Schuyler

Kirkhof Center GRR 014

Presentation	Time	Presenters
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The Books that Made you are Illegal

10:00 a.m. – 11:00 a.m.

Aner Schuyler

Kirkhof Center GRR 015

Presentation	Time	Presenters
Do Financial Literacy Programs Advance College Accessibility?	12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Landon Abbott

Kirkhof Center GRR 016

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.	Arash Kordbacheh

Kirkhof Center GRR 017

Presentation	Time	Presenters
Female Pelvic Organ Prolapse (POP)	12:00 p.m. – 1:00 p.m.	Molly Konzen

Kirkhof Center GRR 018

Presentation	Time	Presenters
Planarian Head Regeneration Following Silencing of Receptor Tyrosine-Protein Phosphatase-Type F Gene	9:00 a.m. – 10:00 a.m.	Hope Palmer

Kirkhof Center GRR 019

Presentation	Time	Presenters
Exploring the Relationship Between Hyperlipidemia and the Distribution of Adipose Tissues Throughout the Body	1:00 p.m. – 2:00 p.m.	Van Dim

Kirkhof Center GRR 020

Presentation	Time	Presenters
Relative Energy Deficiency in Sport in Postpartum Populations	9:00 a.m. – 10:00 a.m.	Samantha Purifoy

Kirkhof Center GRR 021

Presentation	Time	Presenters
What Effect Does Early Prescribing of Birth Control Have on Fertility?	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.	Kyndal–Rai Suber Cleary Welsh

Kirkhof Center GRR 022

Presentation	Time	Presenters
Rescuing <i>Candida albicans</i> Adhesion and Stress Resistance Defects in <i>brg1</i> and <i>tet</i> - <i>NRG1</i> Strains	12:00 p.m. – 1:00 p.m., 2:00 p.m. – 3:00 p.m.	Chad Britton

Kirkhof Center GRR 023

Presentation	Time	Presenters
A Comparative Study of Cadaveric Lungs Affected by Chronic Lung Disease and Lung Cancer	10:00 a.m. – 11:00 a.m.	Alyssa Hussey

Kirkhof Center GRR 024

Presentation	Time	Presenters
Hyperbilirubinemia Point of Care Testing in Infants: Reliability, Accuracy, and Promise	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Austin Clink Annika Julcher Joshua Patterson

Kirkhof Center GRR 025

Presentation	Time	Presenters
Driving Change: Fidelity Measurement in Pediatric Powered Wheelchair Skills Training	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Sawyer Crum

Kirkhof Center GRR 026

Presentation	Time	Presenters
Impact of Intrauterine Device Contraceptive Use on Bacterial Vaginosis	12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m.	Hannah Diamond Jessica Dole Adrienne Parker

Kirkhof Center GRR 027

Presentation	Time	Presenters
Using Environmental DNA from Spiderwebs to Monitor At-risk Eastern Hemlocks (<i>Tsuga canadensis</i>) for Hemlock Woolly Adelgid (<i>Adelges tsugae</i>) in Northern Michigan	10:00 a.m. – 11:00 a.m.	Zoe Gondeck James Switzer-Moe

Kirkhof Center GRR 028

Presentation	Time	Presenters
Measuring Student Engagement and Scientific Literacy by Developing and Publishing an Open-access Immunology Laboratory Manual	11:00 a.m. – 12:00 p.m.	Lucy Groothuis

Kirkhof Center GRR 029

Presentation	Time	Presenters
Design and Validation of an Instrumented Lab-Scale Composting Test Bed to Quantify the Effect of Forced Aeration	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Samantha Seneker

Kirkhof Center GRR 030

Presentation	Time	Presenters
Securing the Decentralized Edge: An Integrated Approach to Zero Trust and Endpoint Security Monitoring	10:00 a.m. – 11:00 a.m.	Victor Bungei

Kirkhof Center GRR 031

Presentation	Time	Presenters
Anti-TB Drugs with Polar Groups	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.	Brandon Lopez-Rebolledo Lily Parsons Abbey Ruby Emily Vu

Kirkhof Center GRR 032

Presentation	Time	Presenters
MedMCP: The First Model Context Protocol Framework Purpose-Built for AI-Augmented Pharmacovigilance and Medication Safety in Co-Occurring Substance Use and Mental Health Populations	2:00 p.m. – 3:00 p.m.	Ken Muchira

Kirkhof Center GRR 033

Presentation	Time	Presenters
Social Media Addiction: A Neuroanatomical and Behavioral Perspective	9:00 a.m. – 10:00 a.m., 11:00 a.m. – 12:00 p.m., 1:00 p.m. – 2:00 p.m.	Kates Krasin

Kirkhof Center GRR 034

Presentation	Time	Presenters
Flying through the Oxidative Stress Pathway: Orthologue Identification in the	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m.	Jade Dawson Babasola Fateye

Course, "Introduction to Drosophila
Genomics Research"

– 12:00 p.m., 12:00 p.m. –
1:00 p.m.

Alena Rolo
Alondra Soto

Kirkhof Center GRR 035

Presentation	Time	Presenters
Impact of Receptor Tyrosine-Protein Phosphatase-Type V Gene Silencing on Planarian Head Regeneration	10:00 a.m. – 11:00 a.m.	Sadie Buell

Kirkhof Center GRR 036

Presentation	Time	Presenters
Quick Disarm: Reasearching the Chemical Weapons Convention of 1992	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Andrew Medley

Kirkhof Center GRR 037

Presentation	Time	Presenters
Improvisation, Active Procrastination and Agility: How to Make Decisions When Plans Fail	9:00 a.m. – 10:00 a.m.	Annie Patel

Kirkhof Center GRR 038

Presentation	Time	Presenters
Modeling Multi-messenger White Dwarf Binaries Within the Milky Way	11:00 a.m. – 12:00 p.m.	Ryan Beam

Kirkhof Center GRR 039

Presentation	Time	Presenters
Microfluidic Technology for Rapid Antimicrobial Susceptibility Testing in Clinical Microbiology	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m.	Brodey Falbe Damilola Oyewole Hannah Royston

Kirkhof Center GRR 040

Presentation	Time	Presenters
Screening MMV Compounds as Chagas Disease Drug Candidates	10:00 a.m. – 11:00 a.m.	Brookelyn Rought

Kirkhof Center GRR 041

Presentation	Time	Presenters
Impact of Oxygenated Substituents on Tuberculosis Treatments	12:00 p.m. – 1:00 p.m.	Katie Coles Natalie Manzo Erynn Moloney

Kirkhof Center GRR 042

Presentation	Time	Presenters
Viability, Apoptosis and Cell Cycle Position of Cultured Endothelial Cells Grown in Media with Reduced FBS and Glucose	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m.	Koby Fraaza Emily Seaman

Kirkhof Center GRR 043

Presentation	Time	Presenters
Synthesis of Potential Drugs to Treat Tuberculosis: The Impact of Electron Donating/Withdrawing Groups	9:00 a.m. – 10:00 a.m., 1:00 p.m. – 2:00 p.m.	Jacob Henk Julia Meyer Sarah Vuong Aidan Zarou

Kirkhof Center GRR 044

Presentation	Time	Presenters
The Role of Several <i>Candida albicans</i> Genes in Multidrug-resistant <i>Candida auris</i>	1:00 p.m. – 2:00 p.m.	Makenna May

Kirkhof Center GRR 045

Presentation	Time	Presenters
Beyond the Diagnosis: The Effects of ADHD on Self-Esteem in Adolescents	12:00 p.m. – 1:00 p.m.	Ava Genschaw

Kirkhof Center GRR 046

Presentation	Time	Presenters
Does an Allosteric Inhibitor, BIBR-1532, Bind similarly to Beetle and Human Telomerases? – Implications for Anti-Cancer Therapies Targeting Human Telomerase	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Angel Zoulek

Kirkhof Center GRR 047

Presentation	Time	Presenters
Dietary Influence and Neurodegenerative Disease Risk: Insight from Alzheimer's and Parkinson's Disease	10:00 a.m. – 11:00 a.m.	Madison Wirt

Kirkhof Center GRR 048

Presentation	Time	Presenters
Prospect-Refuge Theory and Social Belonging	12:00 p.m. – 1:00 p.m.	Kadin Beck Rikki Hein

Kirkhof Center GRR 049

Presentation	Time	Presenters
Physiological Mechanisms and Management of Vasovagal Syncope	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Lilly Helsel

Kirkhof Center GRR 050

Presentation	Time	Presenters
How Language Affects Patient Provider Relationships	1:00 p.m. – 2:00 p.m.	Alondra Soto

Kirkhof Center GRR 051

Presentation	Time	Presenters
Synthesis of Anilines with Mono-Deactivating and Di-Deactivating Substituents	4:00 p.m. – 5:00 p.m.	Kayla Shook

Kirkhof Center GRR 052

Presentation	Time	Presenters
Synthesis of Phosphorane Reagents from 2-Nitro-aniline and 2-Cyano-3-chloroaniline	4:00 p.m. – 5:00 p.m.	Samantha Bilicki Kayla Shook

Kirkhof Center GRR 053

Presentation	Time	Presenters
The Effect of Aromatherapy on Stress and Anxiety in Nursing Students	10:00 a.m. – 11:00 a.m.	Megan Malkowski Allison Postema Jewlia Valeri

Kirkhof Center GRR 054

Presentation	Time	Presenters
The Effect of Meditation on Nurses' Sleep Quality	9:00 a.m. – 10:00 a.m.	Emma Elmore Daniella LoPiccolo Abigail Streight Page Yancey

Kirkhof Center GRR 055

Presentation	Time	Presenters
How do Exercise and Physical Activity Affect Depression Rates in University Students?	9:00 a.m. – 10:00 a.m.	Mary Dodaj Johnathan Haefner Kasey Jarrett Grace Knoblock

Kirkhof Center GRR 056

Presentation	Time	Presenters
Successive Syntheses to Study Trifluoromethyl and Cyano N-Phenyl Maleimide Alkene Products	1:00 p.m. – 2:00 p.m.	Madeline Arthur Alyvia Long

Kirkhof Center GRR 057

Presentation	Time	Presenters
Does Kin Selection Explain Food Transfer Behavior in White-faced Saki Monkeys (<i>Pithecia pithecia</i>)?	12:00 p.m. – 1:00 p.m.	Sophia Bixler

Kirkhof Center GRR 058

Presentation	Time	Presenters
Synthesis of Alkene Compounds through the (P=C) Phosphorane Intermediate	9:00 a.m. – 10:00 a.m.	Noah Bishop Quinn Burgei

Kirkhof Center GRR 059

Presentation	Time	Presenters
Sustainability in Action	1:00 p.m. – 2:00 p.m.	Paetyn Bentley

Kirkhof Center GRR 060

Presentation	Time	Presenters
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Adaptive Management of Grand River Park for North American Beaver (*Castor canadensis*) 10:00 a.m. – 11:00 a.m., 11:00 Delaney Morrin a.m. – 12:00 p.m.

Kirkhof Center GRR 061

Presentation	Time	Presenters
Clinical Associations of "Death Crystals" in Peripheral Blood Smears	12:00 p.m. – 1:00 p.m.	Madelyn Haldane Claire Peyerk

Kirkhof Center GRR 062

Presentation	Time	Presenters
Synthesis of New Alkene Products Utilizing Ortho-Substituted Phosphorane Compounds	1:00 p.m. – 2:00 p.m.	Natalia Bouwens Paul Towler

Kirkhof Center GRR 063

Presentation	Time	Presenters
Exploring the Effectiveness of AI Avatar-Mediated Therapy in Virtual Reality: A Mixed-Methods Comparative Study	10:00 a.m. – 11:00 a.m.	Tyler Fedototszkin

Kirkhof Center GRR 064

Presentation	Time	Presenters
Substance Use and Mental Health Across the COVID-19 Arc: A Five-Year Analysis of NSDUH Data (2020-2024) with NLP-Augmented Social Media Validation	10:00 a.m. – 11:00 a.m.	Sandra Osei

Kirkhof Center GRR 065

Presentation	Time	Presenters
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Ghrelin Receptor Regulation of Anxiety-
and Depression-Related
Behaviors Following Long-Term Alcohol
Withdrawal

9:00 a.m. – 10:00 a.m., 10:00
a.m. – 11:00 a.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.

Sophia Bixler
Samantha Conn
Liam Knisley
Arnica Sheaffer
Ciara Young

Kirkhof Center GRR 066

Presentation	Time	Presenters
Enhancements of Radiologic Imaging Using Artificial Intelligence	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m.	Sophie Biazza

Kirkhof Center GRR 067

Presentation	Time	Presenters
Analyzing the Dusp8 Gene Expression in the Diabetic Mouse Tissues	11:00 a.m. – 12:00 p.m.	Mia Swartz

Kirkhof Center GRR 068

Presentation	Time	Presenters
Waterbirth Outcomes: A Focused Literature Review	9:00 a.m. – 10:00 a.m.	Anna Whipple

Kirkhof Center GRR 069

Presentation	Time	Presenters
Effects of Ketogenic Diet on Reproductive Parameters in Female Obese Mice	10:00 a.m. – 11:00 a.m.	Cecilia Badalamenti

Kirkhof Center GRR 070

Presentation	Time	Presenters
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Investigation of the Relationship Between Ocean Tide Changes and Water Chemistry in Lighthouse Cave 10:00 a.m. – 11:00 a.m.

Hannah Krause
Mollie Strunk

Kirkhof Center GRR 071

Presentation	Time	Presenters
Spatial Variability of Chemical and Biological Components in an Experimental Filtration Well	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.	Gabriel Essich Olivia Steeves

Kirkhof Center GRR 072

Presentation	Time	Presenters
Assessing the Potential of the Laser Interferometer Space Antenna for Simulated Near-Earth Object Detection	9:00 a.m. – 10:00 a.m.	Pablo Kohlmann Garcia

Kirkhof Center GRR 073

Presentation	Time	Presenters
Study of Structural Changes in Bone from Osteogenesis Imperfecta Using Positron Annihilation Lifetime Spectroscopy	2:00 p.m. – 3:00 p.m.	Pablo Kohlmann Garcia

Kirkhof Center GRR 074

Presentation	Time	Presenters
FloARa	9:00 a.m. – 10:00 a.m., 3:00 p.m. – 4:00 p.m.	Keely Carlson

Kirkhof Center GRR 075

Presentation	Time	Presenters
Stroke Sign Awareness on Campus: Knowledge and Impact of Visual Interventions	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Austin Lincoln

Kirkhof Center GRR 076

Presentation	Time	Presenters
Separation and Detection of <i>Escherichia coli</i> and <i>Lactobacillus casei</i> in Mixed Cultures Utilizing Capillary Isotachopheresis	10:00 a.m. – 11:00 a.m.	Addison Whitten

Kirkhof Center GRR 077

Presentation	Time	Presenters
From Prescription to Pollution: Investigating Carbamazepine and Crayfish Behavior	4:00 p.m. – 5:00 p.m.	Jalen Aftimos Romy Kus Grace Smith

Kirkhof Center GRR 078

Presentation	Time	Presenters
Riverscape Heterogeneity in Hg Concentrations: Relative Influences of Habitat and Trophic Position in a Macroinvertebrate Food Web	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Erika Smyth

Kirkhof Center GRR 079

Presentation	Time	Presenters
Collaborative Event Segmentation and its Effects on Event Memory	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.	Levi Gatza Liam Knisley

Kirkhof Center GRR 080

Presentation	Time	Presenters
Observing the Effects of High NaCl Intake and α -Synuclein in Gut Cell Nuclei of <i>Drosophila melanogaster</i>	12:00 p.m. – 1:00 p.m.	Elena Romero

Kirkhof Center GRR 081

Presentation	Time	Presenters
A GIS Analysis of Ravine Systems Along the Illinois River in Illinois and the Grand River in Michigan	1:00 p.m. – 2:00 p.m.	Ashley Amirault Maria Gonsch

Kirkhof Center GRR 082

Presentation	Time	Presenters
When Staffing Falls Short: Nurse Shortages' Impact on Adult Patients in Acute Care	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m.	Amy La Fleur Jonathan Partida Kora Wakefield

Kirkhof Center GRR 083

Presentation	Time	Presenters
Effects of Parental Substance Abuse on a Child's Cognitive and Behavioral Development	12:00 p.m. – 1:00 p.m.	Ella Glenn Karlie Schlaud

Kirkhof Center GRR 084

Presentation	Time	Presenters
Using GIS to Analyze Spatial and Temporal Correlation between Wetland Loss and Endangered Species in Southwest Michigan	9:00 a.m. – 10:00 a.m.	Sadie Brown Alena O'Connor

Kirkhof Center GRR 085

Presentation	Time	Presenters
GIS Analysis of the Shape, Size and Distribution of Inland Lakes in Michigan's Upper and Lower Peninsula	10:00 a.m. – 11:00 a.m., 4:00 p.m. – 5:00 p.m.	Noah Tenhagen Noah Valentine

Kirkhof Center GRR 086

Presentation	Time	Presenters
Canopy Density and Growth Habit Distribution of <i>Encyclia altissima</i> on San Salvador Island	10:00 a.m. – 11:00 a.m., 12:00 p.m. – 1:00 p.m.	Olivia Constantino Grace Kloeckner Bee Scannell Ayla Zambrano

Kirkhof Center GRR 087

Presentation	Time	Presenters
Study of How Climate Change Impacts Weather Patterns	11:00 a.m. – 12:00 p.m.	Cole Oliver

Kirkhof Center GRR 088

Presentation	Time	Presenters
Stress Induced Flowering in Viviparous <i>Rhizophora mangle</i> on San Salvador Island, Bahamas	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Anna Fowler Olivia Schneider Hayden Troyer

Kirkhof Center GRR 089

Presentation	Time	Presenters
The Impact of PCR on Weak and Variant Blood Group Antigen Identification	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Jessie Kailing Luke Markley Allison Miller

Kirkhof Center GRR 090

Presentation	Time	Presenters
West Michigan Urgent Care Capabilities And Its Effect On Emergency Department Overcrowding	3:00 p.m. – 4:00 p.m.	Jonathon Deal

Kirkhof Center GRR 091

Presentation	Time	Presenters
Using Geographic Information Systems to Predict Solar Energy Potential in Six Central Michigan Counties	10:00 a.m. – 11:00 a.m.	Julia Eiler

Kirkhof Center GRR 092

Presentation	Time	Presenters
Cheap, Trendy Clothing Driving Overconsumption: Fast Fashion on TikTok	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m.	Victoria Biadala

Kirkhof Center GRR 094

Presentation	Time	Presenters
Voices of Legacy: Black Women's Oral Histories and the Communication of Family Heritage Across the African Diaspora	10:00 a.m. – 11:00 a.m.	Hannah Markham

Kirkhof Center GRR 095

Presentation	Time	Presenters
Polyglutamine Peptide Aggregation and Disaggregation	11:00 a.m. – 12:00 p.m.	Corine Elian

Kirkhof Center GRR 096

Presentation	Time	Presenters
Soccer in London: Where Football is "Life"	9:00 a.m. – 10:00 a.m.	Francesca Petrucci

Kirkhof Center GRR 097

Presentation	Time	Presenters
Anatomical and Clinical Considerations in a Cadaver with Ostomy Diversions	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.	Sofiia Svyryd

Kirkhof Center GRR 098

Presentation	Time	Presenters
Sleep Deep: The Role of Magnesium in Adults Aged 18–40	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Mackenzie Ford

Kirkhof Center GRR 099

Presentation	Time	Presenters
Descriptions of Gender Identity in Transgender Individuals	9:00 a.m. – 10:00 a.m.	Tyler Peery

Kirkhof Center GRR 100

Presentation	Time	Presenters
The Impact of Eating Disorder Therapy on Anxiety in Individuals with Anorexia Nervosa: A Systematic Review	10:00 a.m. – 11:00 a.m.	Devon Roy

Kirkhof Center GRR 101

Presentation	Time	Presenters
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Investigating the Fas Apoptosis Inhibitory 9:00 a.m. – 10:00 a.m.
Molecule (FAIM) in *Drosophila*
melanogaster

Edgar Cedillo Aguilar

Kirkhof Center GRR 102

Presentation	Time	Presenters
Fear of Immigration Enforcement as a Barrier to Homelessness Services in Michigan	3:00 p.m. – 4:00 p.m.	Elisabeth Grinder

Kirkhof Center GRR 103

Presentation	Time	Presenters
Green Infrastructure	12:00 p.m. – 1:00 p.m.	Sarah Sexton

Kirkhof Center GRR 104

Presentation	Time	Presenters
Screening the Global Health Priority Box for Chagas Disease Drug Candidates	11:00 a.m. – 12:00 p.m.	Jai Escobar

Kirkhof Center GRR 105

Presentation	Time	Presenters
Development of Noncommunicable Diseases in College-Aged People: Diets High in Ultra-Processed Foods	11:00 a.m. – 12:00 p.m.	Haidyn Adams

Kirkhof Center GRR 106

Presentation	Time	Presenters
Synthesis and Antimicrobial Susceptibility Testing of (2E)-1,3-Bis(4-hydroxyphenyl)-2-propen-1-one	12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m.	Rose Pulte

Kirkhof Center GRR 107

Presentation	Time	Presenters
A Spatial Analysis of PFAS Pollution in Michigan	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Nancy Odhiambo

Kirkhof Center GRR 108

Presentation	Time	Presenters
Changing Portrayals of LGB Sexual Orientations in Sex and Gender Textbooks	11:00 a.m. – 12:00 p.m.	Samantha Makowski

Kirkhof Center GRR 109

Presentation	Time	Presenters
CURE the Adults: An Autoethnographic Reflection of an Adult Student's Experience in CMB 400, a STEM Course-based Undergraduate Research Experience	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Babasola Fateye

Kirkhof Center GRR 110

Presentation	Time	Presenters
Refined Green Synthesis of Coumarins for College Laboratory Use	2:00 p.m. – 3:00 p.m.	Gabrielle Lampe

Kirkhof Center GRR 111

Presentation	Time	Presenters
How is the Immune System Function Impacted by Physical Activity or Exercise in Young Adults?	11:00 a.m. – 12:00 p.m.	Olivia Brodie

Kirkhof Center GRR 112

Presentation	Time	Presenters
Reshaping Research: Ongoing Refinements in a Course-Based Undergraduate Research Experience	1:00 p.m. – 2:00 p.m.	Samantha Muzia

Kirkhof Center GRR 113

Presentation	Time	Presenters
Morphology of Orchid Mycorrhizal Associations in Ram's-head Lady's-slipper Orchid (<i>Cypripedium arietinum</i>)	11:00 a.m. – 12:00 p.m.	Lucy Heim

Kirkhof Center GRR 114

Presentation	Time	Presenters
The Impact of Night Shift Work on the Risk of Diabetes and the Cardio System	2:00 p.m. – 3:00 p.m.	Austin Klein

Kirkhof Center GRR 115

Presentation	Time	Presenters
Awake at Night: The Effects of Caffeine on Sleep	3:00 p.m. – 4:00 p.m.	Audrey Darling Caden Ladd

Kirkhof Center GRR 116

Presentation	Time	Presenters
Probing the Superconducting Gap in BSCCO with a Low-Cost Cryogenic Z-Axis Tunneling Microscope	9:00 a.m. – 10:00 a.m.	Archer Sagaskie

Kirkhof Center GRR 117

Presentation	Time	Presenters
Synthesis of (2E)-3-(4-Hydroxyphenyl)-1-phenyl-2-propen-1-one (4-Hydroxychalcone) and Derivatives with Antimicrobial Evaluation	1:00 p.m. – 2:00 p.m.	Molly Jerome

Kirkhof Center GRR 118

Presentation	Time	Presenters
Synthesis and Antimicrobial Susceptibility Testing of (2E)-3-(4-fluorophenyl)-1-(4-methoxyphenyl)prop-2-en-1-one and (2E)-3-(2,4-methoxyphenyl)-1-(4-fluorophenyl)prop-2-en-1-one	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 4:00 p.m. – 5:00 p.m.	Jessica Lukins

Kirkhof Center GRR 119

Presentation	Time	Presenters
Enhanced Sensitivity of Fast Scan Cyclic Voltammetry	1:00 p.m. – 2:00 p.m.	Celia Kingscott Sadie McCann

Kirkhof Center GRR 120

Presentation	Time	Presenters
Analyzing Abortion Legislation across the United States as it Correlates to Educational Attainment	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Olivia Brown

Kirkhof Center GRR 121

Presentation	Time	Presenters
Using Geographic Information Systems to Identify Potential Sites for Wetland Restoration and Feasibility in Five West Michigan Counties	1:00 p.m. – 2:00 p.m.	Emma Thompson

Kirkhof Center GRR 122

Presentation	Time	Presenters
Characterizing the Effects of Sampling in Digital Evolutionary Replay Experiments	9:00 a.m. – 10:00 a.m.	Nikolai Escondo

Kirkhof Center GRR 123

Presentation	Time	Presenters
Examining the Impact of Resveratrol on Aggregation of α -synuclein in <i>Drosophila</i> Testes	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Kasey Loudermilk

Kirkhof Center GRR 124

Presentation	Time	Presenters
Climate Reconstruction of Last-Interglacial South Carolina Using Carbonate Clumped Isotope Thermometry	9:00 a.m. – 10:00 a.m.	Samuel Schwarze

Kirkhof Center GRR 125

Presentation	Time	Presenters
Modern Triple Oxygen Isotope Constraints on a Lake Mass-Balance in Big Pine Island Lake, Michigan	9:00 a.m. – 10:00 a.m.	Delaney Novach

Kirkhof Center GRR 126

Presentation	Time	Presenters
Examining the Prevalence, Incidents, and Characteristics of Domestic Violence in the State of Michigan: A Descriptive Study	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Jaelyn West

Kirkhof Center GRR 127

Presentation	Time	Presenters
A Glimpse at the Upper Harz Dialect in Germany	11:00 a.m. – 12:00 p.m.	Kayla Coats

Kirkhof Center GRR 128

Presentation	Time	Presenters
Accessibility in Video Games: A Framework for Developers	10:00 a.m. – 11:00 a.m.	Tara Barnett

Kirkhof Center GRR 129

Presentation	Time	Presenters
Understanding the Effects of the COVID-19 Pandemic on Nurse Understaffing	9:00 a.m. – 10:00 a.m.	Braden Patton Christian Wagen

Kirkhof Center GRR 130

Presentation	Time	Presenters
Does Grand Rapids Provide Adequate Housing for its Residents Living in Historically Redlined Neighborhoods?	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.	Xavier Clark Madelyn Graham Chloe Martin

Kirkhof Center GRR 131

Presentation	Time	Presenters
Attachment Style and Conspiratorial Beliefs	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m., 4:00 p.m. – 5:00 p.m.	Karis Gillen Mya Hanna Tessa Kramer Dylan McGrath Carley Mohney

Kirkhof Center GRR 132

Presentation	Time	Presenters
Biological Processes Influence Shell Formation in Planktonic Foraminifera: Is This a Climate Proxy Issue?	12:00 p.m. – 1:00 p.m.	Abraham Parsons

Kirkhof Center GRR 133

Presentation	Time	Presenters
Kent County Waste to Energy Incinerator Emissions	9:00 a.m. – 10:00 a.m.	Amanda Sexton

Kirkhof Center GRR 134

Presentation	Time	Presenters
School Phone Bans and Adolescent Outcomes: A Review of Emerging Evidence	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m., 4:00 p.m. – 5:00 p.m.	Madeline Armanini Abigail Austin Nevaeh Hemmes-Palms Sarah Milam

Kirkhof Center GRR 135

Presentation	Time	Presenters
Potential Protective Effects of the Individual and Combined Effects of EHT and Caffeine on Parkinson's Disease	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.	Allison Doran Sydney Kekel

Kirkhof Center GRR 136

Presentation	Time	Presenters
Literature Review: Creativity as a Key to Health in Old Age	4:00 p.m. – 5:00 p.m.	Malarie Johnson

Kirkhof Center GRR 137

Presentation	Time	Presenters
Assessing Traffic Associated Health Risks: Volume, Accidents, Pollution Exposure, and Asthma Rates in Grand Rapids, Michigan	12:00 p.m. – 1:00 p.m.	Nicholas Lanting

Kirkhof Center GRR 138

Presentation	Time	Presenters
Takotsubo Cardiomyopathy	9:00 a.m. – 10:00 a.m.	Khrystine Weesner

Kirkhof Center GRR 139

Presentation	Time	Presenters
Neurogenesis of Retinal Cells Using a 2-step Culture System: Effects of Selective Nicotinic Compounds on RPE vs. Retinal Cells	12:00 p.m. – 1:00 p.m.	Nia Aboalsaman Stephen Warner

Kirkhof Center GRR 140

Presentation	Time	Presenters
Synthesis, Purification and Antimicrobial Susceptibility Testing of (2E)-3-(4-Hydroxyphenyl)-1-(4-methoxyphenyl)-2-propen-1-one (4-methoxy-4-hydroxychalcone)	1:00 p.m. – 2:00 p.m.	Lizette Solorio

Kirkhof Center GRR 141

Presentation	Time	Presenters
Microfossil Analysis and Interpretations of Rare Aquatic Localities from the Uinta Basin, Utah	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m., 3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Sophia Bailey Selah Bollinger Jessica Frielink Layla Hurst Kristin Krink Dylan Ruitter Olivia Szewczyk

Kirkhof Center GRR 142

Presentation	Time	Presenters
Developing Methodology To Analyze the Impact of Stream Restoration Using LiDAR	9:00 a.m. – 10:00 a.m.	Anna Griessel

Kirkhof Center GRR 143

Presentation	Time	Presenters
Investigation of the Relationship Between Sediment Type and Plant Species Composition on San Salvador Island, Bahamas	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Ava Brownfield Dustin Kosbar Jordan Lorencz Amanda Sexton Temmy Williams

Kirkhof Center GRR 144

Presentation	Time	Presenters
Design and Synthesis of Potential Antibiotics with Polar Functional Groups	11:00 a.m. – 12:00 p.m.	Jacquelyn Adema Isabella Moreno

Kirkhof Center GRR 145

Presentation	Time	Presenters
Does Baby Aspirin Help or Harm? A Review of Reproductive Outcomes	10:00 a.m. – 11:00 a.m.	Mitzi Morgan

Kirkhof Center GRR 146

Presentation	Time	Presenters
Geology, Stratigraphy, and Paleoenvironment of San Salvador Island (Bahamas) Informs Pleistocene–Holocene Global Climate Peaks	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Abraham Parsons Grant Potter

Kirkhof Center GRR 147

Presentation	Time	Presenters
Mutualism Can Constrain the Evolution of Complexity in Hosts	2:00 p.m. – 3:00 p.m.	Owen Hillary Delaney Kelley

Kirkhof Center GRR 148

Presentation	Time	Presenters
Caffeine Consumption and Its Association with Sleep Quality and Mental Health Among College Students	10:00 a.m. – 11:00 a.m.	Ava O'Brien

Kirkhof Center GRR 149

Presentation	Time	Presenters
A Comparative Analysis of Oral and Subcutaneous Semaglutide on HbA1c Reduction in Type 2 Diabetes	12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m.	Avery Kline Zoe Korson Gwendolyn Russell

Kirkhof Center GRR 150

Presentation	Time	Presenters
Telehealth Patient Satisfaction	9:00 a.m. – 10:00 a.m., 1:00 p.m. – 2:00 p.m.	Andrew Baker Haley Grobe Emily Redman Emme Van Poppel

Kirkhof Center GRR 151

Presentation	Time	Presenters
Exploring the Visibility and Accessibility of Down Syndrome Medical Care Centers in the U.S.: A Content Analysis	1:00 p.m. – 2:00 p.m.	Nia Aboolsaman

Kirkhof Center GRR 152

Presentation	Time	Presenters
Emerging Resistance of Pesticide Treatments in <i>Pediculus humanus capitis</i>	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Kaitlin Banaszak Anh Tran Christine Tran

Kirkhof Center GRR 153

Presentation	Time	Presenters
When Ratios Rise, Survival Falls: The Impact of Nurse Staffing in the ICU	10:00 a.m. – 11:00 a.m.	Meagan Balenda Phaedra Melinn

Kirkhof Center GRR 154

Presentation	Time	Presenters
Examining Micro-, Mezzo-, and Macro-Level Variables Associated with Burnout in Law Enforcement Officers	11:00 a.m. – 12:00 p.m.	Laura Andres

Kirkhof Center GRR 155

Presentation	Time	Presenters
Implementing an Interactive Exit Ticket System to Enhance Learning in Engineering and Computing Education	11:00 a.m. – 12:00 p.m.	Tapanga Witt

Kirkhof Center GRR 156

Presentation	Time	Presenters
Extraction of Potential Vasoactive Proteins in Commercial Red Beet Powders	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Matthew Engel Thu Le Stephen Mclenithan Caleb Porter Logan Tracia

Kirkhof Center GRR 157

Presentation	Time	Presenters
Classical Modeling of CO-N ₂ Collisions and Their Effects on CO Spectral Line Broadening	10:00 a.m. – 11:00 a.m.	Delaney Griffioen

Kirkhof Center GRR 158

Presentation	Time	Presenters
Mapping the Landscape of Artificial Intelligence Applications in Hemophilia: A Systematic Review of Clinical Readiness in a Rare Disease Context	11:00 a.m. – 12:00 p.m.	Swarna Bharathi Kathi

Kirkhof Center GRR 159

Presentation	Time	Presenters
Docking of Echinocandins to the FKS1 Wild-Type and Resistant Mutant Reveals Binding Interactions with Hotspot Regions	12:00 p.m. – 1:00 p.m.	Devin Chung

Kirkhof Center GRR 160

Presentation	Time	Presenters
Algorithmic Audit of Artificial Intelligence in Hemophilia: Assessing Methodological Integrity and Clinical Safety in Rare Disease Care	3:00 p.m. – 4:00 p.m.	Pravallika Manchu

Kirkhof Center GRR 161

Presentation	Time	Presenters
Additional Roles for Moesin- PKN Interactions in <i>Drosophila</i> Oogenesis	12:00 p.m. – 1:00 p.m.	Emilee Smith

Kirkhof Center GRR 162

Presentation	Time	Presenters
Assessment of HPV Biomarkers and Screening Practices to Improve Cervical Cancer Detection in Underserved Communities	9:00 a.m. – 10:00 a.m.	Sequoia Drilling

Kirkhof Center GRR 163

Presentation	Time	Presenters
Planning from a School's Perspective: Providing Geospatial Data Driven Planning for Wayland Union Schools	2:00 p.m. – 3:00 p.m., 3:00 p.m. – 4:00 p.m.	Evan McGhee

Kirkhof Center GRR 164

Presentation	Time	Presenters
Epiphyte-Host Plant-Environment Interactions within the San Salvador Island Ecosystem	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Catherine Chappell Lauren Gray Elizabeth Oldenberg Emma Smolek

Kirkhof Center GRR 165

Presentation	Time	Presenters
Seed Bank Assay to Inform Restoration of a Lake Superior Coastal Marsh	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Zachary Danevicz Nadia Jones

Kirkhof Center GRR 166

Presentation	Time	Presenters
A Review of New Developments in Detection of Lyme Disease in Acute Stage Borreliosis	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Daniel Heeren Keaton Kval Israel Ruiz

Kirkhof Center GRR 167

Presentation	Time	Presenters
Do Similar Phosphatases Act on the Same Substrate?	10:00 a.m. – 11:00 a.m.	Brady Curtin

Kirkhof Center GRR 168

Presentation	Time	Presenters
Do Size and Plumage Dimorphism Correlate with High Territoriality in Female Kingfishers?	1:00 p.m. – 2:00 p.m.	Paige Hollander

Kirkhof Center GRR 169

Presentation	Time	Presenters
Effects of Dietary Sodium Butyrate on α -Synuclein Aggregation in Enteric Neurons in a <i>Drosophila</i> Model of Parkinson's Disease	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Haley Powers

Kirkhof Center GRR 170

Presentation	Time	Presenters
Computationally Modeling the Evolutionary Dynamics and Long-Term Spread of Patch-Based Invasive Species	3:00 p.m. – 4:00 p.m.	Marcus Abad-Dominguez

Kirkhof Center GRR 171

Presentation	Time	Presenters
Adaptive Preconditioners in Iterative Solvers for Systems of Linear Equations	2:00 p.m. – 3:00 p.m.	Adam Opperman

Kirkhof Center GRR 173

Presentation	Time	Presenters
Investigation of Phosphorane Formations with N-Phenyl Maleimides from 2,4-Dibromoaniline and 2-Iodoaniline	1:00 p.m. – 2:00 p.m.	Alyssa Rivette Nicole Vyse