

This report is listing off all presentations (presenters, title, time), grouped and ordered by building/room location titles. This report is for SSD 2023 presentations held on April 12, 2023.

Henry Hall Atrium 001

Presentation	Time	Presenters
Investigating Best Practices for Engaging Chemistry Students in Online Learning	4:00 p.m. – 5:00 p.m.	Megan Smith

Henry Hall Atrium 002

Presentation	Time	Presenters
'Ruff Start': Animal-Assisted Therapy in Juvenile Corrections	11:00 a.m. – 12:00 p.m.	Makenzie Griffin

Henry Hall Atrium 003

Presentation	Time	Presenters
Family Education and Autism Spectrum Disorder– How Recreational Therapy can be the Bridge	10:00 a.m. – 11:00 a.m.	Kathryn Thornton

Henry Hall Atrium 004

Presentation	Time	Presenters
Are We Done Yet?	10:00 a.m. – 11:00 a.m.	Zoe DeHaan

Henry Hall Atrium 005

Presentation	Time	Presenters
A Daily Dose of Iron	10:00 a.m. – 11:00 a.m.	Emily Shaffer

Henry Hall Atrium 006

Presentation	Time	Presenters
Family Education, Acquired Disabilities, and Recreational Therapy: The Triangle of Success	10:00 a.m. – 11:00 a.m.	Madisyn Bunke

Henry Hall Atrium 007

Presentation	Time	Presenters
Teachers and Trauma Informed Care Education	12:00 p.m. – 1:00 p.m.	Citlali Morales

Henry Hall Atrium 008

Presentation	Time	Presenters
Sphere of Influence: Batteries	2:00 p.m. – 3:00 p.m.	Seth Lucas

Henry Hall Atrium 009

Presentation	Time	Presenters
Is Body Modification Related to Deliberate Self-Harm? A Meta-Analytic Review	12:00 p.m. – 1:00 p.m.	MJ Hosep

Henry Hall Atrium 010

Presentation	Time	Presenters
Committing to Reducing Macroplastic Pollution in the Great Lakes	9:00 a.m. – 10:00 a.m.	Noah Gerhard

Henry Hall Atrium 011

Presentation	Time	Presenters
Effects of Postpartum Depression on a Child's Emotional and Cognitive Development: A Systematic Review	9:00 a.m. – 10:00 a.m.	Tessa Baker Emma Ann Miller

Henry Hall Atrium 012

Presentation	Time	Presenters
Comparing Pubic Arch Width and Gut Volume	11:00 a.m. – 12:00 p.m.	Emma Long

Henry Hall Atrium 013

Presentation	Time	Presenters
Aging Effects on Articular Cartilage at the Knee Joint	3:00 p.m. – 4:00 p.m.	Mckenna King

Henry Hall Atrium 014

Presentation	Time	Presenters
Power of Communcation	3:00 p.m. – 4:00 p.m.	Allison McGinnis

Henry Hall Atrium 015

Presentation	Time	Presenters
Pain Management in Neonates and Newborns: Circumcision	11:00 a.m. – 12:00 p.m.	Mikaela Crute

Henry Hall Atrium 016

Presentation	Time	Presenters
Instagram Influencers: Self-esteem, Well-being and Women's Sexualization	10:00 a.m. – 11:00 a.m.	Stephanie Warren

Henry Hall Atrium 017

Presentation	Time	Presenters
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Henry Hall Atrium 018

Presentation	Time	Presenters
NRP–cDcD: Outpacing Ethical Considerations	9:00 a.m. – 10:00 a.m.	Jonathan McCabe

Henry Hall Atrium 019

Presentation	Time	Presenters
Case Study of a Previously Healthy Patient After Acute Onset Seizure Resulting from Intracranial Hemorrhage Originating From Dural Arteriovenous Malformation Rupture: An Overview and Evaluation of Presentation and Recovery	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Connor Veen

Henry Hall Atrium 020

Presentation	Time	Presenters
Mutational Analysis of Aminoglycoside Nucleotidyltransferase–6 (ANT–6Ia) from <i>Bacillus subtilis</i>	2:00 p.m. – 3:00 p.m.	Sofia Mansoor

Henry Hall Atrium 021

Presentation	Time	Presenters
Serotonin and Its Effects on the Chronic Stress Response in Crayfish Following Nonylphenol Exposure	12:00 p.m. – 1:00 p.m.	Nina Alpers Madelyn Maurer Tara Olen

Henry Hall Atrium 022

Presentation	Time	Presenters
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Popliteal Artery Responses from Pedaling 9:00 a.m. – 10:00 a.m.
Interruptions During One Hour of Seated
Video Games

Garrett Falk
Madalyn Hickey
Gabriele Peters

Henry Hall Atrium 023

Presentation	Time	Presenters
Measuring Microbialite Contributions to Lake Bottom Sedimentation in Fish Lake, Michigan, with Stable Isotopes	12:00 p.m. – 1:00 p.m.	Adam Greve

Henry Hall Atrium 024

Presentation	Time	Presenters
Equity in the Classroom for Individuals with Disabilities at Grand Valley State University	9:00 a.m. – 10:00 a.m., 3:00 p.m. – 4:00 p.m.	Abigail Boyd

Henry Hall Atrium 025

Presentation	Time	Presenters
Elevated ERK1/2 Activity in a Hyperglycemic H9c2 Cell Lin	9:00 a.m. – 10:00 a.m.	Jefferson Cano

Henry Hall Atrium 026

Presentation	Time	Presenters
Raspberry Pi Based Computing Prototypes: Design, Implementation and Performance Analysis	4:00 p.m. – 5:00 p.m.	Seth Wolfgang

Henry Hall Atrium 027

Presentation	Time	Presenters
Small Solutions for Big Data: Compressed	3:00 p.m. – 4:00 p.m.	Skyler Ruiter

Henry Hall Atrium 028

Presentation	Time	Presenters
Social Justice Begins With Me! Gender Equity	10:00 a.m. – 11:00 a.m.	Jennifer Brugger D'Angelo Starks

Henry Hall Atrium 029

Presentation	Time	Presenters
Social Justice Begin With Me Book Club: Immigration	4:00 p.m. – 5:00 p.m.	Terra Owsley Haley Page

Henry Hall Atrium 030

Presentation	Time	Presenters
In the Care of Others: Alzheimer's and Dementia Education	3:00 p.m. – 4:00 p.m.	Michaela Owen

Henry Hall Atrium 031

Presentation	Time	Presenters
Social and Emotional Learning for Cognitively Impaired Youth	3:00 p.m. – 4:00 p.m.	Katelyn Fauska

Henry Hall Atrium 032

Presentation	Time	Presenters
The Stability and Physical Properties of Compartment Models Through Liquid-Liquid Phase Separation	2:00 p.m. – 3:00 p.m.	Julia Malysh

Henry Hall Atrium 033

Presentation	Time	Presenters
Coping Skills for Youth at Risk	10:00 a.m. – 11:00 a.m.	Emma Peake

Henry Hall Atrium 034

Presentation	Time	Presenters
Microwave Assisted Installment of Bis-acetal Protecting Groups onto Diols	11:00 a.m. – 12:00 p.m., 1:00 p.m. – 2:00 p.m.	Deacon Darling

Henry Hall Atrium 035

Presentation	Time	Presenters
Assessing the Aggregation Rate and Types of Aggregates Formed by the Functional Amyloid Kassinin	11:00 a.m. – 12:00 p.m.	Lillie Waldron

Henry Hall Atrium 036

Presentation	Time	Presenters
Computational Insight into Cyclopropanation Catalyzed by Bis-Alkoxide Fe Carbene Complexes: Novel Carbene Coordination with Methyl Ester Substituents	2:00 p.m. – 3:00 p.m.	Edison Browne

Henry Hall Atrium 037

Presentation	Time	Presenters
Synthesis of Novel Antibiotics to Treat Tuberculosis	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m.	Jonathan Bajko

Henry Hall Atrium 038

Presentation	Time	Presenters
Exploring Cross-class Inhibition of Key Antibiotic Resistance Targets in the Multidrug Resistant Pathogen <i>Acinetobacter baumannii</i>	12:00 p.m. – 1:00 p.m.	Mary Fergus

Henry Hall Atrium 039

Presentation	Time	Presenters
Addiction Support	11:00 a.m. – 12:00 p.m.	Allison Salas

Henry Hall Atrium 040

Presentation	Time	Presenters
Multi-GPU Accelerated Nonnegative Matrix Factorization	10:00 a.m. – 11:00 a.m., 1:00 p.m. – 2:00 p.m.	Marc Tunnell

Henry Hall Atrium 041

Presentation	Time	Presenters
Analyzing the Effects of Myocardial Infarction through Spatially-Resolved Single Cell Transcriptomics using Machine Learning Methods	12:00 p.m. – 1:00 p.m.	Olivia Brumar

Henry Hall Atrium 042

Presentation	Time	Presenters
Affective Lability Among College Students	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Erin Mangan

Henry Hall Atrium 043

Presentation	Time	Presenters
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CAR T-cell Therapy Advances in Acute
Lymphoblastic Leukemia

10:00 a.m. – 11:00 a.m.

Ava Miller

Henry Hall Atrium 044

Presentation	Time	Presenters
Infant Primate Cranial Measurements	3:00 p.m. – 4:00 p.m.	Rylei Helder

Henry Hall Atrium 045

Presentation	Time	Presenters
The Relationship Between Pubic Symphysis Width and Parity	12:00 p.m. – 1:00 p.m.	Emma Piasecki

Henry Hall Atrium 046

Presentation	Time	Presenters
Visualizing Progress Toward Course Objectives	12:00 p.m. – 1:00 p.m.	Anna Carvalho

Henry Hall Atrium 047

Presentation	Time	Presenters
Perception of Student Debt Crisis in the United States	3:00 p.m. – 4:00 p.m.	Piper Johnson

Henry Hall Atrium 048

Presentation	Time	Presenters
Structural Analysis of Class D β -lactamases and the Inhibitory Effects of Novel Boronic Acids	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Leah Pierce

Henry Hall Atrium 049

Presentation	Time	Presenters
Non-Traditional Interventions for Perinatal Mood and Anxiety Disorders: A Program Evaluation	9:00 a.m. – 10:00 a.m.	Emily Bemben

Henry Hall Atrium 050

Presentation	Time	Presenters
Role Of Health Policy in Achieving <i>Healthy People 2030</i> Health Care Access & Quality Objectives	1:00 p.m. – 2:00 p.m.	Sheila Mwanda

Henry Hall Atrium 051

Presentation	Time	Presenters
Conspiratorial Mindsets	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.	Emily Hill Joshua Kopich Diana Longstreet Nicholas Reddy

Henry Hall Atrium 052

Presentation	Time	Presenters
FNMR on Antibiotic Resistant Protein OXA-066 with Fluorinated Protein Residues	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m., 1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Oliver Reyes

Henry Hall Atrium 053

Presentation	Time	Presenters
Crockery Creek Speaks	1:00 p.m. – 2:00 p.m.	Alexis Phillips

Henry Hall Atrium 054

Presentation	Time	Presenters
The Impact of Mechanical Injury and Nociception on the Foraging Behavior of Crayfish	9:00 a.m. – 10:00 a.m., 12:00 p.m. – 1:00 p.m., 3:00 p.m. – 4:00 p.m.	Patrick Baumann Colin Carter Lauren DeHerder Madelyn Maurer Jonathan McCabe Naiya Summerville

Henry Hall Atrium 055

Presentation	Time	Presenters
Understanding the Foundations of Nanocharacterization Tools Using Simulation-Based App	4:00 p.m. – 5:00 p.m.	Ian Lilly

Henry Hall Atrium 056

Presentation	Time	Presenters
Gorillas' Gestural Communication	4:00 p.m. – 5:00 p.m.	Abigail De Meo

Henry Hall Atrium 057

Presentation	Time	Presenters
Numerical Analysis of the Ising Model Using Monte Carlo Techniques	12:00 p.m. – 1:00 p.m.	Shane Armstrong

Henry Hall Atrium 058

Presentation	Time	Presenters
Crop Diversity Loss	10:00 a.m. – 11:00 a.m.	Hayden Welindt

Henry Hall Atrium 059

Presentation	Time	Presenters
Regeneration of Neurons in Human Brain Tissue: A Revolutionary Concept with Therapeutic Potential	10:00 a.m. – 11:00 a.m.	Mackenzie Dunn

Henry Hall Atrium 060

Presentation	Time	Presenters
Mental Health of University Nursing Students: A Literature Review	3:00 p.m. – 4:00 p.m.	Makenzie Carpenter

Henry Hall Atrium 061

Presentation	Time	Presenters
The Effect of Alpha-synuclein-related MicroRNA Mimics on Alpha-synuclein and Tyrosine Hydroxylase Protein Expression in Parkinson-like Neuronal Cells.	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m.	Alona Chekalina Dahlya Kamarudin

Henry Hall Atrium 062

Presentation	Time	Presenters
The Lumbosacral Angle: Comparison of Two Software Programs	11:00 a.m. – 12:00 p.m.	Carly Stoops

Henry Hall Atrium 063

Presentation	Time	Presenters
Mechanosensing and Anesthesia of Single Internodal Cells of Chara	10:00 a.m. – 11:00 a.m.	Manya Rodgers

Henry Hall Atrium 064

Presentation	Time	Presenters
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Using an In-situ Sand Filter and a
Schmutzdecke to Remove Coliforms from
Ground Water

3:00 p.m. – 4:00 p.m.

Isabelle Hammond

Henry Hall Atrium 065

Presentation	Time	Presenters
Limnological Assessment of Lake 16, Allegan, MI	3:00 p.m. – 4:00 p.m.	Isabelle Hammond

Henry Hall Atrium 066

Presentation	Time	Presenters
Food Insecurity and BMI Impact on US and African Children: A Literature Comparison	10:00 a.m. – 11:00 a.m.	Dayna Borregard Josef Kleitch

Henry Hall Atrium 067

Presentation	Time	Presenters
Can Increasing the Density of External Media Mimic Microgravity?	11:00 a.m. – 12:00 p.m.	Grace Miller

Henry Hall Atrium 068

Presentation	Time	Presenters
Determining the Optimal Method of Inhibiting ERK1/2 Enzymatic Activity in Mice	9:00 a.m. – 10:00 a.m.	Caroline De Roo Erin McLean

Henry Hall Atrium 069

Presentation	Time	Presenters
Intercellular Communication via Gap Junctions Influences Cell Survival During Hypoxia	9:00 a.m. – 10:00 a.m.	Lauren Harmon

Henry Hall Atrium 070

Presentation	Time	Presenters
Tracking Traffickers: Investigating the Relationship Between Human Trafficking and Ports of Entry	11:00 a.m. – 12:00 p.m.	Connor Wardrop

Henry Hall Atrium 071

Presentation	Time	Presenters
Characterizing DUSP6, DUSP8, and ERK1/2 Expression Levels in Diabetic Mouse Hearts	12:00 p.m. – 1:00 p.m.	Joshua Kurlinski

Henry Hall Atrium 072

Presentation	Time	Presenters
Testing the Expression of β 2-adrenergic Receptor DNA in HEK293 Cells	1:00 p.m. – 2:00 p.m.	Joshua Kurlinski

Henry Hall Atrium 073

Presentation	Time	Presenters
Sphere of Influence: PFAS	11:00 a.m. – 12:00 p.m.	Mitchell Fedewa

Henry Hall Atrium 074

Presentation	Time	Presenters
Alignment of DNP Degree Competencies with Employer Perspectives: The Value of Academic–Practice Partnerships	9:00 a.m. – 10:00 a.m.	Madison Niederer

Henry Hall Atrium 075

Presentation	Time	Presenters
Modeling Spring Systems on Spherical Geometries	11:00 a.m. – 12:00 p.m.	Robert Dolan

Henry Hall Atrium 076

Presentation	Time	Presenters
The Effects of β (beta)-estradiol on Crayfish Behavior and Gonadal Structure	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.	Alyson Furstenau Megan Gasparaitis Kayla Shields Hannah Shull Lily Weber-Bailey Lauren Wilmore

Henry Hall Atrium 077

Presentation	Time	Presenters
Determining the Optimal Method of Inhibiting ERK1/2 Enzymatic Activity in Mice	9:00 a.m. – 10:00 a.m.	Caroline De Roo Erin McLean

Henry Hall Atrium 078

Presentation	Time	Presenters
The Effects of Hormonal Contraceptives on Child-Bearing-Age Women	1:00 p.m. – 2:00 p.m.	Ruby Brown

Henry Hall Atrium 079

Presentation	Time	Presenters
Michigan's K-12 Sex Ed Curriculum; How Government Policies Effect Reproductive Health	1:00 p.m. – 2:00 p.m.	Abigail Hasse

Henry Hall Atrium 080

Presentation	Time	Presenters
Temporal Effects of Preservation on the Shape and Size of Yellow Perch	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Tyler Hoyt Jacob Yingling

Henry Hall Atrium 081

Presentation	Time	Presenters
Ranking Variable Importance in the Holistic Admissions Process among Nursing Applicants to a Bachelor of Science in Nursing Program	9:00 a.m. – 10:00 a.m.	David Mosack

Henry Hall Atrium 082

Presentation	Time	Presenters
The Effects of Phonetics Training on the Production and Perception of Rhotic Vowels in American English	9:00 a.m. – 10:00 a.m.	Megan Andrzejewski

Henry Hall Atrium 083

Presentation	Time	Presenters
Examining the Localization and Function of a <i>Candida</i> -specific Protein	3:00 p.m. – 4:00 p.m.	Lane Everett

Henry Hall Atrium 084

Presentation	Time	Presenters
Emotional Support Animals at College	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Rachel Pease

Henry Hall Atrium 085

Presentation	Time	Presenters
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Exploring Altered Gene Expression of *Candida albicans* During Spaceflight using QPCR, Immunoprecipitation, and Western Blots 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m. Evan Sidebotham

Henry Hall Atrium 086

Presentation	Time	Presenters
Are Social Work Students Prepared to Practice with Traumatized Individuals, Groups, and Communities?	3:00 p.m. – 4:00 p.m.	Kelsey Klimkewicz

Henry Hall Atrium 087

Presentation	Time	Presenters
The Effects of Carbonate on <i>C. albicans</i> Biofilm Formation, Filamentation, and Antifungal Resistance	9:00 a.m. – 10:00 a.m.	Trenton Miedema

Henry Hall Atrium 088

Presentation	Time	Presenters
Potential Charges of the Atoms in Li_2CO_3	12:00 p.m. – 1:00 p.m.	Edward Fowler

Henry Hall Atrium 089

Presentation	Time	Presenters
Confirmation of the Hammet Postulate: The Effect of Substituents and Predictability of ^1H , ^{13}C , and ^{31}P NMR Shifts	2:00 p.m. – 3:00 p.m.	Georgia Sands Katherine Wyniemko

Henry Hall Atrium 090

Presentation	Time	Presenters
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Do Different Types of Social Exclusion
Elicit Different Behavioral Reactions?

10:00 a.m. – 11:00 a.m.

Alyssa Flowers

Henry Hall Atrium 091

Presentation	Time	Presenters
Stability of Microdroplet Compartments from Complex Coacervation	1:00 p.m. – 2:00 p.m.	Brett Vincent

Henry Hall Atrium 092

Presentation	Time	Presenters
The Pharmacokinetic Properties of 5 Sulfonamide Antibiotics in the Greater Wax Moth, <i>Galleria mellonella</i>	12:00 p.m. – 1:00 p.m.	Kendahl Overbeck Marcel Wiggins

Henry Hall Atrium 093

Presentation	Time	Presenters
Characterizing Arbuscular Mycorrhizal Associations in Managed Oak Savanna Ecosystems	9:00 a.m. – 10:00 a.m.	Jake Stuck

Henry Hall Atrium 094

Presentation	Time	Presenters
In Vivo Effectiveness of Linalool in <i>Pseudomonas Aeruginosa</i> Infection in <i>Galleria Melonella</i>	9:00 a.m. – 10:00 a.m., 1:00 p.m. – 2:00 p.m.	Micaela Manschula Marcel Wiggins

Henry Hall Atrium 095

Presentation	Time	Presenters
Communicating Science Through Visuals	9:00 a.m. – 10:00 a.m.	Kassandra Baker

Henry Hall Atrium 096

Presentation	Time	Presenters
The Effects of Misogynistic Views of Women in Social Media and the Impact Negative Views Have on the Developing Adolescent Brain	9:00 a.m. – 10:00 a.m.	Samantha Slanger

Henry Hall Atrium 097

Presentation	Time	Presenters
Preventing Agricultural Runoff and What that Means for Large Farms	9:00 a.m. – 10:00 a.m.	Laura Colley

Henry Hall Atrium 098

Presentation	Time	Presenters
From Passion to Action: A Multimodal Approach to Transgender Education in Undergraduate Nursing Curricula	Time TBD	Rhian Williams