

Kirkhof Center GRR 001

Presentation	Time	Presenters
Study of miR-7 and miR-153 Mimics in Parkinson-like Neuronal Cells	12:00 p.m. – 1:00 p.m.	Zane Walters

Kirkhof Center GRR 002

Presentation	Time	Presenters
Muscle Oxygenation Responses of Lower Leg from Pedaling Interruptions During One Hour of Seated Video Games	9:00 a.m. – 10:00 a.m.	Garrett Falk Madalyn Hickey Gabriele Peters

Kirkhof Center GRR 003

Presentation	Time	Presenters
The Fashion Crisis: Conquering Unsustainable Trends One Thread at a Time	1:00 p.m. – 2:00 p.m.	Hailey Bos

Kirkhof Center GRR 004

Presentation	Time	Presenters
--------------	------	------------

5 Factors To Develop Academic Self-Concept and Self-Efficacy In College Students 1:00 p.m. – 2:00 p.m., 2:00 p.m. Cabdulcasiis Ciise – 3:00 p.m.

Kirkhof Center GRR 005

Presentation	Time	Presenters
Marginalized in Academia: A Guide to Disability Studies	10:00 a.m. – 11:00 a.m., 1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Noelle Charbonneau

Kirkhof Center GRR 006

Presentation	Time	Presenters
The Effect of Beet Extract on the Vascular Reactivity of Renal Arteries	3:00 p.m. – 4:00 p.m.	Kyle Fish Madeline Johnson

Kirkhof Center GRR 007

Presentation	Time	Presenters
Biomechanics Of a Fall from Height	11:00 a.m. – 12:00 p.m.	Madeline Becker

Kirkhof Center GRR 008

Presentation	Time	Presenters
The Switch to Sustainable Laundry Detergent	1:00 p.m. – 2:00 p.m.	Brianna Bumgardner

Kirkhof Center GRR 009

Presentation	Time	Presenters
Utilizing Pro-Inflammatory Cytokine from T Cells to Understand Hygiene Hypothesis	2:00 p.m. – 3:00 p.m.	Elizabeth Borton

Kirkhof Center GRR 010

Presentation	Time	Presenters
3D Scanning and Mapping Heritage	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m.	Zoya Deen John O'Dell Michelle Oberlin

Kirkhof Center GRR 011

Presentation	Time	Presenters
Environmental Racism	9:00 a.m. – 10:00 a.m.	Keasha Cargill

Kirkhof Center GRR 012

Presentation	Time	Presenters
Searching for Continuous Gravitational Waves from Neutron Stars	10:00 a.m. – 11:00 a.m.	Keegan Hawkins

Kirkhof Center GRR 013

Presentation	Time	Presenters
Encourage Use of Reusable Shopping Bags	9:00 a.m. – 10:00 a.m.	Rebecca Terryberry

Kirkhof Center GRR 014

Presentation	Time	Presenters
Composting at GVSU	12:00 p.m. – 1:00 p.m.	Samantha Brandon

Kirkhof Center GRR 015

Presentation	Time	Presenters
Sphere of Influence/Ecobricks	3:00 p.m. – 4:00 p.m.	Amani Jones

Kirkhof Center GRR 016

Presentation	Time	Presenters
Farm Animal Assisted Therapy	10:00 a.m. – 11:00 a.m.	Gina Hess

Kirkhof Center GRR 017

Presentation	Time	Presenters
Seeing Me for Me	9:00 a.m. – 10:00 a.m.	Naomi Baker

Kirkhof Center GRR 018

Presentation	Time	Presenters
Benefits of Including Siblings of Children with Disabilities in Adaptive Sports Programs	10:00 a.m. – 11:00 a.m.	Heather Bowns

Kirkhof Center GRR 019

Presentation	Time	Presenters
Dialectical Behavior Therapy for Major Depressive Disorders	9:00 a.m. – 10:00 a.m.	Michelle Newton

Kirkhof Center GRR 020

Presentation	Time	Presenters
Psychedlics in Mental Health	10:00 a.m. – 11:00 a.m.	Jade Squires

Kirkhof Center GRR 021

Presentation	Time	Presenters
Understanding the Relationship Between Age, Self-compassion, and Job Satisfaction	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m., 1:00 p.m. – 2:00 p.m.	Carly Andrus

Kirkhof Center GRR 022

Presentation	Time	Presenters
Effects of Remote Vignette-Based Training on Social Initiations of Young Adults with Autism	1:00 p.m. – 2:00 p.m.	Emily Murray

Kirkhof Center GRR 023

Presentation	Time	Presenters
Vietnamese and English Interpretation of Expressions Throughout Generations.	11:00 a.m. – 12:00 p.m.	Ammy Huynh

Kirkhof Center GRR 024

Presentation	Time	Presenters
How to Elicit Associations About People in Younger Children: A Comparative Study with Judgements	2:00 p.m. – 3:00 p.m.	Bekah Cole Ramnit Saini

Kirkhof Center GRR 025

Presentation	Time	Presenters
The Observed Similarities Between Blocking Events in Speech and Music.	12:00 p.m. – 1:00 p.m.	Elizabeth Aprahamian

Kirkhof Center GRR 026

Presentation	Time	Presenters
Empowering Youth Through Employment	11:00 a.m. – 12:00 p.m.	Faith Williamson

Kirkhof Center GRR 027

Presentation	Time	Presenters
--------------	------	------------

Middle Eocene Vertebrate Microfossil Screen Washing Investigation	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.	Stephanie Brzeczek Jeffrey Catron Meryl Luoma–Mannisto Ella Puffer Dylan Ruitter
---	--	--

Kirkhof Center GRR 028

Presentation	Time	Presenters
Leisure Education for Parents of Children with Disabilities	10:00 a.m. – 11:00 a.m.	Calysta Bailey

Kirkhof Center GRR 029

Presentation	Time	Presenters
Tiny Homes in a Big World	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Mason Burkeen Alyssa Westerink

Kirkhof Center GRR 030

Presentation	Time	Presenters
New Biomarkers for Mild Traumatic Brain Injuries	10:00 a.m. – 11:00 a.m.	Maya Varela

Kirkhof Center GRR 031

Presentation	Time	Presenters
Interprofessional Education: Who is Learning from Whom?	9:00 a.m. – 10:00 a.m.	Abby Dunster

Kirkhof Center GRR 032

Presentation	Time	Presenters
The Effect of Instructor Feedback on Student Motivation in Undergraduate Chemistry	1:00 p.m. – 2:00 p.m.	Lindsey Schmidt

Kirkhof Center GRR 033

Presentation	Time	Presenters
Testing the Feasibility of Heat Shock Protein Detection in Mammalian Feces	3:00 p.m. – 4:00 p.m.	Sawyer Barton

Kirkhof Center GRR 034

Presentation	Time	Presenters
Prevalence of Axillary Arches on Cadavers at GVSU	11:00 a.m. – 12:00 p.m.	Shane Byrne

Kirkhof Center GRR 035

Presentation	Time	Presenters
Psych Friends Peer-to-Peer Mentorship: Enhancing the Student Experience	3:00 p.m. – 4:00 p.m.	Sydney Spotts Marjorie Stowe

Kirkhof Center GRR 036

Presentation	Time	Presenters
Generative Art via Grammatical Evolution	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Abigail Diller

Kirkhof Center GRR 037

Presentation	Time	Presenters
Taking a Quality Improvement Approach to Reduce Race and Gender Disparities in Nicotine Replacement Therapy Ordering and Administration	2:00 p.m. – 3:00 p.m.	Kerri Stapley

Kirkhof Center GRR 038

Presentation	Time	Presenters
Investigation and Potential Clinical Applications of a Spinal Cord Stimulator	10:00 a.m. – 11:00 a.m.	Naomi Cohen

Kirkhof Center GRR 039

Presentation	Time	Presenters
Histamine-like Immunoreactivity in Secondary Cells of the Male Accessory Gland in <i>Drosophila melanogaster</i> Appears During Late Pupal Development	10:00 a.m. – 11:00 a.m.	Jurrien Wilson

Kirkhof Center GRR 040

Presentation	Time	Presenters
Alternative Therapies for Children with Cancer: A Systematic Review	1:00 p.m. – 2:00 p.m.	Molly Scovic

Kirkhof Center GRR 041

Presentation	Time	Presenters
Expressing <i>Candida albicans</i> genes in <i>Saccharomyces cerevisiae</i>	10:00 a.m. – 11:00 a.m.	Bradley Tillier

Kirkhof Center GRR 042

Presentation	Time	Presenters
The Role of BrxA in the Redox Regulation of the Debacillithiolation Pathway in Firmicutes	2:00 p.m. – 3:00 p.m.	Kian Barnes

Kirkhof Center GRR 043

Presentation	Time	Presenters
Using Bibliotherapy to Enhance Preschool Students' Ability to Cope with Emotions	9:00 a.m. – 10:00 a.m.	Isabelle Villanueva

Kirkhof Center GRR 044

Presentation	Time	Presenters
Investigation of Potential Regioselectivity of Sulfur and Selenium with Bis(diphenylphosphino)methane Made by Either a Melt Reaction or in a Solution of NMR Grade Chloroform, Characterized Using ³¹ P NMR	2:00 p.m. – 3:00 p.m.	Addison Voss

Kirkhof Center GRR 045

Presentation	Time	Presenters
Investigation of the Reactivity and Regioselectivity of Sulfur, Selenium, and Silver with Various Phosphoranes	2:00 p.m. – 3:00 p.m., 3:00 p.m. – 4:00 p.m.	Joshua Gibbons Travis Lubbers

Kirkhof Center GRR 046

Presentation	Time	Presenters
¹⁵ N NMR Hammett Study and Analysis of Nitrogen-Containing Compounds	11:00 a.m. – 12:00 p.m.	Faith Carlson

Kirkhof Center GRR 047

Presentation	Time	Presenters
Developing an Accurate Method for Measuring the Thermal Conductivity of a Material	11:00 a.m. – 12:00 p.m.	Noah Fuerst

Kirkhof Center GRR 048

Presentation	Time	Presenters
Monitoring and Quantitation of Bacterial Growth via Capillary Isotachophoresis	3:00 p.m. – 4:00 p.m.	Joshua Gibbons

Kirkhof Center GRR 049

Presentation	Time	Presenters
Quinones as Redox Electrolytes in pH Gradient Flow Batteries	9:00 a.m. – 10:00 a.m.	Christina Jiang

Kirkhof Center GRR 050

Presentation	Time	Presenters
Learning by Doing: Service Learning with Exceptional Students	2:00 p.m. – 3:00 p.m.	Zoey Belk Emma Payton

Kirkhof Center GRR 051

Presentation	Time	Presenters
Personalized Fitness Intervention: Wellness Coordinator	11:00 a.m. – 12:00 p.m.	Claire Dunselman

Kirkhof Center GRR 052

Presentation	Time	Presenters
The Luminescent Properties of Lanthanide Metal Complexes	1:00 p.m. – 2:00 p.m.	Georgia Sands

Kirkhof Center GRR 053

Presentation	Time	Presenters
Exploring New Coordination Modes in Metal Carbene Bis-Alkoxides	1:00 p.m. – 2:00 p.m.	Sierra Hilditch

Kirkhof Center GRR 054

Presentation	Time	Presenters
Neurophysiological Alterations in Crayfish	11:00 a.m. – 12:00 p.m.	Grace Smith

Using Common Inhibitory Drug

Kirkhof Center GRR 055

Presentation	Time	Presenters
Organic Ligands for the Extraction of Lanthanide and Actinide Metals	2:00 p.m. – 3:00 p.m.	Katie Colesa

Kirkhof Center GRR 056

Presentation	Time	Presenters
Variations in <i>fimH</i> and Their Effects on Adherence and Invasion of <i>Salmonella enterica</i>	10:00 a.m. – 11:00 a.m.	Miguel Gutierrez Isaac Laucky

Kirkhof Center GRR 057

Presentation	Time	Presenters
Investigation of Instruments Measuring Students' Understanding of the Nature of Science	3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Madelyn Back

Kirkhof Center GRR 058

Presentation	Time	Presenters
Effects of Cannabidiol on Compartment Specific Dopamine Release in the Striatum	12:00 p.m. – 1:00 p.m.	Mason Kolanowski

Kirkhof Center GRR 059

Presentation	Time	Presenters
Structural and Functional Characterization of ADC-73 β -lactamase: A New Clinical Variant Involved in Antibiotic Resistance	9:00 a.m. – 10:00 a.m.	Jared Bengston

Kirkhof Center GRR 060

Presentation	Time	Presenters
Characterization of the Nucleotide Structure Requirements for Aminoglycoside Nucleotidyltransferase-6Ia from <i>Bacillus subtilis</i>	9:00 a.m. – 10:00 a.m.	Natalie Grantham

Kirkhof Center GRR 061

Presentation	Time	Presenters
The Calvarium That Exposed Cause of Death	9:00 a.m. – 10:00 a.m., 10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m.	Halle Monroe

Kirkhof Center GRR 062

Presentation	Time	Presenters
Right-to-Work Laws and Creativity	9:00 a.m. – 10:00 a.m.	Owen Laverty

Kirkhof Center GRR 063

Presentation	Time	Presenters
Effects of Dietary Phytoestrogens on Spermatogenesis and Male Reproductive Tract in Mice	11:00 a.m. – 12:00 p.m., 3:00 p.m. – 4:00 p.m.	Trenton Dalm Marie Topolski

Kirkhof Center GRR 064

Presentation	Time	Presenters
Numerical Solutions for the Application of Optimally Controlled Sweeping Processes to Crowd Motion	12:00 p.m. – 1:00 p.m.	Andrew Regan

Kirkhof Center GRR 065

Presentation	Time	Presenters
Estrogen Effects on Epididymal Sperm Number and Transit Time	2:00 p.m. – 3:00 p.m.	Aydia Cain Delaney Sacra

Kirkhof Center GRR 066

Presentation	Time	Presenters
The Impact of Community Engagement on Marginalized Youth	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Keylaiha Brown

Kirkhof Center GRR 067

Presentation	Time	Presenters
Determining the Equilibrium Chloride Concentration in Sediments Exposed to Salt Pollution	3:00 p.m. – 4:00 p.m., 4:00 p.m. – 5:00 p.m.	Jacquelyn Molloseau

Kirkhof Center GRR 068

Presentation	Time	Presenters
Progress Towards The Synthesis of the Linezolid Core Using a One-Pot Copper-Mediated Coupling	11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Travis Lubbers

Kirkhof Center GRR 069

Presentation	Time	Presenters
The Ring of the Rainbow Dove	3:00 p.m. – 4:00 p.m.	Rosie Caldwell

Kirkhof Center GRR 070

Presentation	Time	Presenters
Overexpressing a <i>Candida albicans</i> Membrane-Anchored Protein	11:00 a.m. – 12:00 p.m., 2:00 p.m. – 3:00 p.m.	Michael Hawkes

Increases Cell Adhesion.

Kirkhof Center GRR 071

Presentation	Time	Presenters
Self-Care and Wellbeing among Social Work Students during the COVID-19 Pandemic: The Role of Trauma	11:00 a.m. – 12:00 p.m.	Sarah Hassan

Kirkhof Center GRR 072

Presentation	Time	Presenters
Musical Life in Grand Rapids at the Turn of the 20th Century: An Archival Study	12:00 p.m. – 1:00 p.m.	Thomas Stutz

Kirkhof Center GRR 073

Presentation	Time	Presenters
The Integration of Performance Practice and Stylistic Understanding in the Realization of Schubert's Sonata D. 845, I. Moderato	10:00 a.m. – 11:00 a.m.	Rebecca Hanson

Kirkhof Center GRR 074

Presentation	Time	Presenters
Connecting Communities Through Intergenerational Mentorship Programming	1:00 p.m. – 2:00 p.m.	Allison Klimek

Kirkhof Center GRR 075

Presentation	Time	Presenters
Impacts of Intergenerational Interaction	1:00 p.m. – 2:00 p.m.	Jack Reinwald

Kirkhof Center GRR 076

Presentation	Time	Presenters
Wetland Perceptions: How Attitudes Impact Action	2:00 p.m. – 3:00 p.m., 3:00 p.m. – 4:00 p.m.	Grant Winenger

Kirkhof Center GRR 077

Presentation	Time	Presenters
Does Copulation Result in Movement of Histamine-like Immunoreactivity From the Male to Female Reproductive Systems in <i>Drosophila melanogaster</i> ?	12:00 p.m. – 1:00 p.m.	Lydia Cruce Carley Kenney

Kirkhof Center GRR 079

Presentation	Time	Presenters
Improving Care for Children and Adolescents in Foster Care Through Education and Advocacy	1:00 p.m. – 2:00 p.m.	Emma Buchele

Kirkhof Center GRR 080

Presentation	Time	Presenters
Rewards Systems in Massively Multiplayer Online Role-Playing Games	9:00 a.m. – 10:00 a.m.	Korey Stamper

Kirkhof Center GRR 081

Presentation	Time	Presenters
NMR Tube Reactions of Different Maleimides with Bis(Diphenylphosphino)Methane and Silver/Platinum	9:00 a.m. – 10:00 a.m., 2:00 p.m. – 3:00 p.m.	Caitlin Miller Kelsey Somers

Kirkhof Center GRR 082

Presentation	Time	Presenters
--------------	------	------------

Reacting to the Past: Rousseau, Burke, and Revolution in France 1791 11:00 a.m. – 12:00 p.m. Simon Kailing

Kirkhof Center GRR 083

Presentation	Time	Presenters
Effect of Instability Training on Compensatory Muscle Activation During an Instability Challenge	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.	Sydney Bitar Leah Converse Edward Finos Megan Fischette Kristen Lord Kamryn Wisneski

Kirkhof Center GRR 084

Presentation	Time	Presenters
Structural and Functional Analysis of Novel ADC Variants from Carbapenem-resistant <i>A. baumannii</i>	9:00 a.m. – 10:00 a.m., 1:00 p.m. – 2:00 p.m.	Rachelle Baumann

Kirkhof Center GRR 085

Presentation	Time	Presenters
Co-activation of Trace Amine-associated Receptor 1 and Mu-opioid Receptor to Induce Locomotor Suppression and Profound Hypothermia	1:00 p.m. – 2:00 p.m., 2:00 p.m. – 3:00 p.m.	Joshua Britton Jaysen Holly Elettra Rizzo

Kirkhof Center GRR 086

Presentation	Time	Presenters
Using 3D Print Modeling to Design a Muscle Instability Training Device	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.	Leah Converse Edward Finos Rebecca Haggerty Kamryn Wisneski

Kirkhof Center GRR 087

Presentation	Time	Presenters
Identification of an Unknown Solid Byproduct of a Brewing Process	2:00 p.m. – 3:00 p.m.	Edward Fowler Logan Mardlin

Kirkhof Center GRR 088

Presentation	Time	Presenters
The Neighborhood Lights Out! Game on Tournaments	10:00 a.m. – 11:00 a.m., 11:00 a.m. – 12:00 p.m., 12:00 p.m. – 1:00 p.m.	Elise Dettling

Kirkhof Center GRR 089

Presentation	Time	Presenters
Edge Covers of Graphs and their Sequences	3:00 p.m. – 4:00 p.m.	Jacob Ritsema

Kirkhof Center GRR 091

Presentation	Time	Presenters
The Style Effect on the TRAP Phonemic Split in UP English	9:00 a.m. – 10:00 a.m., 1:00 p.m. – 2:00 p.m.	Lauren McKenzie Payton Westedt

Kirkhof Center GRR 092

Presentation	Time	Presenters
Mapping Health Outcomes Associated with Antibiotic Misuse	9:00 a.m. – 10:00 a.m.	Evan Hodson

Kirkhof Center GRR 093

Presentation	Time	Presenters
Language Regard of Michiganders from Lower Michigan using Localized Mental Map	1:00 p.m. – 2:00 p.m.	Julia Wintermantel

Kirkhof Center GRR 100

Presentation	Time	Presenters
ICWA Panel	9:00 a.m. – 10:00 a.m.	Breanna Carter