



24TH ANNUAL

Academic Symposium



Wednesday, April 12, 2023

9 a.m. – 3 p.m.

GOSHEN  COLLEGE

Schedule

9 a.m.	
LOCATION: Church-Chapel, Sanctuary HOST: Rob Brenneman and Ann Vendrely	
Dr. Laura Miller-Graff, Univeristy of Notre Dame	Rigor and Right Action: Supporting Human Dignity in Research
Ann Vendrely	Faculty Recognition
Reception Church-Chapel, Fellowship Hall	
10 a.m.	
LOCATION: Church-Chapel, Koinonia room HOST: Julia Schiavone-Camacho MODERATOR: Naomi Klassen	
Grace Hitt	Adoption as Rescue in Minnesota Newspapers
Olivia Koop	Gender Roles in Indian-American Culture
Lydia Nolt	The Complexities of Japanese-American Resettlement in Chicago during WWII
LOCATION: Church-Chapel, Room 110/111 HOST: Neil Detweiler	
Daniela Troya Castro	Pancreatic Ductal Adenocarcinoma (PDAC) and the Antitumor Drug Merestininib
Kristen Ploeger	Lepidoptera Biodiversity at Merry Lea
Jacob Stoltzfus	Advanced 3D Game Design in Virtual Reality
LOCATION: Church-Chapel, Room 112/113 HOST: Kathy Meyer-Reimer	
Isis Espinoza Ellie Van Heerde Regan Sheipline Isaac Fisher	Session: Using Student Data to Improve Teaching
LOCATION: Newcomer Center, Room 17 HOST: Andy Ammons	
Jonah King	Respiration Variance in Birds, Reptiles, and Amphibians
Ruby Meyer	Zoos and Sanctuaries: How Captive Environment Affects Tiger Behavior
Carolina Olivo	Brittle star abundance in green algae
LOCATION: Newcomer Center, Room 19 HOST: Julie Reese	
Wendo Kisila Zaira Rodriguez	Conformity in a Classroom Setting
Denisse Aguilar Michel Robin Lambert	Difference in Long-Distance and Proximal Relationship Satisfaction
Sarah Hinshaw Sarah Hochstetler Emi Garza	Overconfidence Bias in Testing

LOCATION: Wyse Hall, Room 318 HOST: Paul Meyer-Reimer	
Wes Beck	<i>Evidence for consciousness beyond humans</i>
Angel Torres	<i>How our brains make sense of the world</i>
Samuel Stoner-Eby	<i>Evolution of human language</i>
Bryan Nataren Barahona Drew Smoker	<i>Quantum cryptography: The BB84 protocol</i>
LOCATION: Science Hall, Room 107 HOST: Jewel Lehman	
AnnaMarie Laughlin	<i>Effect of tibialis anterior strength on balance</i>
Robert Sanders	<i>The essence of servant leadership</i>
Diego Torres	<i>The effects of exercise on second grade standardized test performance</i>
11 a.m.	
LOCATION: Church-Chapel, Koinonia Room HOST: Philipp Gollner	
Olivia Krall Grace Hitt Andrew Ness Ignacio Brandon Jiménez Caleb Gingerich	<i>The Adventures, Joys, and Frustrations of Research and Writing: A Roundtable</i>
LOCATION: Church-Chapel, Room 110/111 HOST: Merrill Krabill	
Caroline Greaser	<i>Graphic Design: Promoting a Local Organization</i>
Greta Lapp Klassen	<i>Painted Portraits: Orange Faces in Familiar Places</i>
Lee Bergey	<i>Mixed Media and Finding the Intersection Between Art and Sustainability</i>
LOCATION: Church-Chapel, Room 112/113 HOST: Kathy Meyer-Reimer	
Alena Miller Lydia Nolt Kyra Wilson Emma Zehr	<i>Session: Teaching to Improve Student Outcomes</i>
LOCATION: Newcomer Center, Room 17 HOST: Andy Ammons	
Madison Miller	<i>The role of gastropod-mediated grazing on seagrass health and epiphytic communities</i>
Skylar Antonides	<i>Symbiotic Fungal Networks: Another means to combat climate change in prairies?</i>
Anna Osborne	<i>Methods development for phosphorus analysis in tallgrass prairie soils</i>

LOCATION: Newcomer Center, Room 19 HOST: Rob Brenneman	
Emmanuel Fakoyede	<i>Exploring the Legal Profession: Interning at Indiana Legal Services, Inc.</i>
Spencer Castillo	<i>Exploring Mediation: Interning at the Center of Community Justice</i>
Denisse Aguilar Michel	<i>Mennonite Brethren Women's Clothing: Shifting attitudes</i>
Naomi Torres	<i>The Manosphere and its Influence: A Content Analysis of YikYak Activity</i>
LOCATION: Wyse Hall, Room 318 HOST: Justin Heinzekehr	
Meredith Blossom	<i>The Influence of Jewish Women in Feminist Movements and American Jewish Life</i>
Jasmine Diaz	<i>Ethnic Minority Children and Autism Spectrum Disorder (ASD)</i>
Sarah Bailey	<i>Into the Woods, Everybody!: A Year-Long Stage Management Adventure</i>
LOCATION: Science Hall, Room 107 HOST: Brianne Brenneman	
Joanna Zelaya Aguilar Stephany Claudio Gibby Gibson Hannah Sweitzer	<i>Safe Sleep Support and Navigating Motherhood</i>
John Mlondani Bongiwe Ncube Isabella Ruiz Trent Sillett Oskar Sunderland	<i>Alcohol Education as Harm Reduction</i>
Kaylie Gaby Mia Wellington Lauren Murphy Carlos Lichty Ruby Meyer	<i>Mobile Gardens: A tool for food access in high vulnerability neighborhoods</i>
LOCATION: Music Center, Rieth Recital Hall HOST: Cristobal Garza Gonzalez	
Eliza Alemán Mimi Alemén Irish Cortez Karen Guerrero Mairin Mendoza	<i>Las Nuevas Tamareras: A staged reading of a bilingual theater comedy</i>

12 p.m.	
LOCATION: Church-Chapel, Koinonia Room HOST: Alysha Liljeqvist	
Sadie Brenneman Hannah Guthrie Nichole Shryock	<i>Session: Digital Strategy: applied learning in business</i>
LOCATION: Church-Chapel, Room 110/111 HOST: Sara Method	
Oskar Sunderland	<i>Creating Tour Posters: The Visualization of Sound and Persona</i>
Isaac Sawatzky	<i>Trial by Fire: Design and Athletics</i>
Olivia Krall Andrew Ness Sarah Gothe	<i>Epic Art Adventure: Sculpture in Elkhart County</i>
LOCATION: Church-Chapel, Room 112/113 HOST: Jeanette Shown	
Jose Cepeda	<i>The Journey of Creating an Application</i>
Bryan Hernandez Rodriguez	<i>Analyzing Storage Systems</i>
Peyton Smith	<i>Wielding the SABR: How Science and Computers are Changing Baseball</i>
Sebastian Gomez	<i>The Advantages and Disadvantages of Video Games on Young Minds</i>
LOCATION: Newcomer Center, Room 17 HOST: Jody Saylor	
Nate Lange	<i>The efficacy of common injury prevention techniques in baseball players</i>
Kaylie Gaby	<i>Effect of Boat Scars on Seagrass and Macroalgae Regrowth</i>
Olivia Koop	<i>The Synthesis of Unnatural Dipeptides as Antibiotics</i>
LOCATION: Newcomer Center, Room 19 HOST: Neil Detweiler	
Session: Maple Scholars, session 1	
Silas Immanuel	<i>Goshen: A Sundown Town's Transformation</i>
Dan Eash-Scott Daniel Stoltzfus	<i>The Graves Cannot Be Dug Fast Enough</i>
Alex Neufeld	<i>Mycotoxin Levels in maize and ground nuts from Kongwa, Tanzania</i>
LOCATION: Science Hall, Room 107 HOST: Brianne Brenneman	
Giovana Gaona	<i>Identifying Accessible Housing Resources for Immigrants in Elkhart County</i>
Sandy Juarez Patino	<i>Connection between School-based Mental Health Resources and Suicide in Children</i>
Yudiria Garcia	<i>Best Practices for Diabetes Education</i>

LOCATION: Music Center, Rieth Recital Hall HOST: Matthew Hill	
Sam Scheele, trombone	<i>Violent Shadows for Solo Trombone and Piano</i>
Karsten Shaw, violin	<i>Suite in the Old Style</i>
Angie Ticen, piano	<i>Fantasie-Improptu in C-sharp minor, Op. 66</i>
Augusta Nafziger, soprano	<i>La Pastorella</i>
Augusta Nafziger, soprano	<i>Think of Me</i>
Grace Hitt, trumpet	<i>Rustiques</i>
1 p.m.	
LOCATION: Church-Chapel, Fellowship Hall POSTER SESSION	
Orsolya Tatai	<i>The popularity and Olympic sport potential of Teqball</i>
Sarah Corbitt	<i>To Paint A Clown: Fictional Portraiture</i>
Jackelyn Resendiz	<i>Designing Patterns for Wallpaper and Textiles</i>
Suzanna Yoder	<i>Senior Social work Internship at the SOURCE</i>
Sabrina Ibarra	<i>A Case Study of Child and Family Advocacy Center</i>
Robin Lambert	<i>Sowing Seeds of Mental Wellness at Oaklawn</i>
Zeynep Aytekin Nathen Byrd Alejo Palmar Velasquez Jesus Serna	<i>Robot demonstrations</i>
LOCATION: Church-Chapel, Koinonia Room HOST: Jan Shetler	
Jan Shetler Kendra Yoder	<i>Action-Research on SST</i>
Alena Miller	<i>Multilingualism in Rural Ecuadorian Communities</i>
Grace Hitt	<i>Así en Mi Vida": Elders' Life Stories in San Simón</i>
LOCATION: Church-Chapel, Room 110/111 HOST: Anna Groff	
Alyssa H. McDonald	<i>Beyond the Stereotypes: Representation of BTS and ARMY in American Media</i>
Kendyl Silveus	<i>Perception of the Horror and Thriller Genres on Goshen College Campus</i>
Sarah Bailey	<i>Communicating Pronouns at Goshen College</i>
David Lopez Collin Echols	<i>Effects of Music on Working Out</i>
LOCATION: Newcomer Center, Room 17 HOST: Raquel Montanez-Gonzalez	
Caroline Robling-Griest	<i>Solid Phase Synthesis of Unnatural N-Terminal Dipeptides</i>
Katie Mallory	<i>How fire and grazing impact SOM in a tallgrass prairie reconstruction</i>
Alexa Kennel	<i>Chemical Analysis of Vitis vinifera</i>

LOCATION: Newcomer Center, Room 19 HOST: Neil Detweiler	
Session: Maple Scholars, session 2	
Julia Hitt	<i>Proliferation and Migration of Pulmonary Artery Smooth Muscle Cells</i>
Isabella Ruiz	<i>Mapping Water Quality and Demographic Characteristics in Elkhart County, Indiana</i>
Elise Jantz	<i>JEENI Electronic Music for Beginners</i>
LOCATION: Science Hall, Room 107 HOST: David Housman	
Asa Schiller	<i>Statistically Equivalent Datasets</i>
Isaac Fisher	<i>Mammogram Probabilities</i>
Johanna Morford-Obertz	<i>A Removing Coins Game</i>
Marlon Aparicio	<i>An Integer Function's Range</i>
Olivia Martin	<i>A Three-Way Duel</i>
LOCATION: Music Center, Art Gallery HOST: Sara Method	
Lee Bergey Oskar Sunderland Caroline Greaser Greta Lapp Klassen	<i>Senior Art Exhibit: Talk with the Artists</i>
LOCATION: Wyse Hall, Room 212 HOST: Sr. Veronica Adeduro, Vicki Hershberger & Beth Miller	
Mercy Chebet	<i>Holistic Assessment demonstration</i>
Laura Hochstetler Katie Bolander	<i>Physical Assessment demonstration</i>
Zaineb Galeb	<i>Dressing Change demonstration</i>
Nursing seniors	<i>Clinical Nursing Simulation</i>
LOCATION: Newcomer Center, Radio Station HOST: Kyle Hufford, Jason Samuel	
WGCS Radio Station tour	
2 p.m.	
LOCATION: Church-Chapel, Koinonia Room HOST: John Mischler	
Hannah Guthrie	<i>Evolving Ecosystems at Fishing Line Trail</i>
Theary Eash	<i>Hyper-Local Ingredients, Hyper Good Food</i>
Rachel Mast	<i>Place Identity, the Environment, and Social Media</i>
Lee Bergey	<i>Aesthetics of Agroforestry</i>
Juan Llama Chardon	<i>Puerto Rico's sustainable agriculture development after hurricane Maria</i>

LOCATION: Church-Chapel, Room 110/111 HOST: Jessica Baldanzi	
Denisse Aguilar Michal Gretta Klassen Augusta Nafziger	<i>Readings from Pinchpenny Press</i>
LOCATION: Church-Chapel, Room 112/113 HOST: Duane Stoltzfus	
Sadie Brenneman Lydia Stauffer Meaghan Godzisz Jackelyn Resendiz Palos Amelia Turnbull	<i>Session: My Tech Life — A Story and a Song</i>
LOCATION: Newcomer Center, Room 17 HOST: Raquel Montanez-Gonzalez	
Bongiwe Ncube	<i>The Incongruent Responses that Neonatal and Adult Mice Have to a Heart Attack</i>
Ryan Harmelink	<i>Augmenting Nanoparticle Chemotherapy-based Response in Gastric Adenocarcinoma</i>
Gretta Rempel	<i>Unnatural Dipeptides: Potential New Antibiotics for Pseudomonas aeruginosa</i>
LOCATION: Newcomer Center, Room 19 HOST: Peter Miller	
Eliza Aleman Maddie Bollinger Ashley Christison Ana Martin Peace Muhagachi Bernie Quintero Walt Stuart	<i>Session: Research and Lyrics from the Poetry of Hip Hop</i>
LOCATION: Science Hall, Room 107 HOST: David Housman	
Isaac Fisher	<i>Natural Numbers as Sums of Prime Numbers</i>
Olivia Martin	<i>Hex Winning Strategies</i>
Asa Schiller	<i>Generating Clock Arithmetic</i>
LOCATION: Wyse Hall, Room 319 HOST: Linda Boling	
Daniel Boling	<i>Project Better File Controller (BFC)</i>
Ryan Silva de Almeida	<i>Task Management Software</i>
Nathen Byrd	<i>Online Sandwich Restaurant</i>
Peyton Smith	<i>Task List</i>