



## 2020 Student Scholarship Expo Registered Poster Presentations

Due to the closure of campus because of COVID-19, the 2020 Student Scholarship Expo was cancelled. The list below contains all poster presentations registered at the time of the cancellation. Posters are listed in alphabetical order by the last name of the student designated as lead contact during registration.

| <u>Student Presenter(s)</u>  | <u>Faculty Mentor(s)/Department</u>                      | <u>Poster Title</u>  |
|--|--|--|
| Nahed Abdelgaber   | Samuel Hawkins, Computer Science/CIS                     | Computer Vision for Building Damage Assessment   |
| Melissa Adrian, Kelly Hernandez,<br>Adam Wade, Alecsander Dutko,<br>Brianna Heyer  | David Dominguese, Physical Therapy and<br>Health Science | The Role of Ultrasound Imaging to Examine<br>the Temporomandibular Joint Pathology   |
| Johnalie Almaria   | Danielle Glassmeyer, English                             | Asian American Representation in Media   |
| Mayra Arce   | Young Soo Kim, Electrical and Computer Eng.              | Virtual Advanced Driver Assistance System  |
| Julianna Babin   | Agnes Cser, World Languages and Cultures                 | Friedrich Schiller's Tragic Hero in "The Robbers"  |
| Teresa Barden, Haley Funk,<br>Kelly Hicks, Samantha Lechowicz,<br>Alexandra Phan, Kathleen Shields,<br>Christina M. Wiebmer,<br>Deanna T. Wiggin | Claire Etaugh, Psychology                                | Perfectionism in Parents and their Emerging Adult<br>Daughters   |
| Cameron Basquez-Pfeifer  | Melinda Faulkner, Biology                                | Investigating AbrB Phosphorylation by the Kinase<br>PrkC as a Mechanism of Regulation of ahpA by AbrB in<br>Biofilms of <i>Bacillus subtilis</i> |

**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Alex Beanblossom

John Marino, Biology

Spatiotemporal patterns in freshwater bacterial communities across hydrologically variable sites in a major river watershed

Kathryn Beard

Wayne Bosma, Chemistry & Biochemistry

Determining the Optimum Quantum Chemical Model for the Calculation of pKa's of Organic Acids

Izabella Bebenek

DeMaris Montgomery, Psychology

Visual Attention Study: Replication of Bouvier and Treisman's "Feature Binding"

Dylan Beccue

Rajesh Iyer, Institute of International Studies

Consumption of Counterfeit Athletic Jerseys from China

Emma Behymer, Tyler Connors,  
Jacob Faber, Matthew Struttmann,  
Jared Wicklein

Scott Williams, Computer Science/CIS

Betty Friedan website and graph based database

Zachary Bernitt, Trevor Smith

Saeid Vafaei, Mechanical Engineering

Modification of nanofluid heat transfer coefficient in micro scale channels

Dan Bolt

Amit Sinha, Finance and Quantitative Methods

Relationship between ATG ROE and market equity return

Amber Bozeman

Amy Scott, History

Death by Skin

**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Hunter Brugler

Craig Cady, Biology

Neuronal differentiation of mesenchymal stem cells on Retinoic and Valproic acid coated PCL nanofiber

Tyler Buchanan, Michael Jensen

Jing Wang, Electrical and Computer Eng.  
Yufeng Lu, Electrical and Computer Eng.

GPS Lane Learning and Path Risk

Matt Buckley

Rajesh Iyer, Institute of International Studies

Coronavirus

Amelia Burns, Kenneth Hughes

Elena Gabor, Communication

Accident Analysis of the Hillsborough Stadium Disaster (UK, 1989)

Joashly Calingacion,  
Anne Havenga, Megan Mink  
Christine Leszczewicz,

Stacie Bertram, Physical Therapy and  
Health Science

The Effects of a Maternity Support Binder on Gait and Balance in Women during the Third Trimester of Pregnancy

Bethelehem Chekole

Mohammad Hossain, Civil Eng. and Construction

Delamination of road structure under traffic load

Lorena Chica

Aurea Toxqui, History  
Amy Scott, History

Transnational Femicide: A Look at the Intersecting Identities of Femicide Victims

Jordan Cook, Christina Orr,  
Tess Marcordes

Breanna Reynolds, Physical Therapy and  
Health Science

Clinically Applicable Pressure Pain Threshold Measurement in Healthy Subjects

Anna Daugherty, Sarah Czuma,  
Tess Levy

Elena Gabor, Communication

Flint Water Crisis

**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Shannon Deery

Danielle Glassmeyer, English

The Handmaid's Tale

Tresario DelFiacco

Kevin Kimberlin, Physics

Optimization of Tungsten Tip Fabrication by  
Electrochemical Etching

Austin Dial

Aleksander Malinowski, Electrical and  
Computer Engineering

Distributed Computing Infrastructure for  
Accelerated Machine Learning

Tamia Dickens

Rajesh Iyer, World Languages and Cultures

Traditional Chinese Medicine versus Western

Maureen Dudzinski

Cecile Arquette, Teacher Education

Effects of Mobile Devices on Early Childhood  
Development

Isabelle Echevarria

Amy Scott, History

Body Biases in Medical Settings: How Intersections  
of Body, Race, and Gender Impact Quality of Care

Dan Egan, Gia-Maria Calbaza

Ted Fleming, Biology

*Staphylococcus aureus* Vaccine Testing in vivo

Amr Elhoussein

Suruz Miah, Electrical and Computer Engineering

Simultaneous Coverage and Mapping

Seth Errion

Nancy Sherman, Leadership in Education,  
Nonprofits and Counseling Department

Exploring the Effectiveness of Campus Sexual  
Assault Prevention Programs

Catlin Ethridge, Holly Korte,  
Lucas Spingaire

Saeid Vafaei, Mechanical Engineering  
Udo Schnupf, Chemistry & Biochemistry

Controlling SnO<sub>2</sub> Nanoparticle Growth

**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Mel Ferguson, Holly France,  
Hezekiah George, Lizbeth Jansen,  
Lee Jones, Magdalyn Mitchell,  
Connor Wittman

Lynnsey Lambrecht, Music

Composing with Parsimonious Transformations to  
Create Musical Affect

William Fine

Amit Sinha, Finance and Quantitative Methods

The Short Squeeze

Lindsay Fischer

Amy Scott, History

Relationships between Queer Women in American  
History

Vanessa Fron, Gia-Maria Calbaza

Ted Fleming, Biology

Secretion of an Antibacterial Compound by a Soil  
Bacterium

Gabriella Fryer

Thomas Palakeel, English

Shakespeare Project

Mayuresh Gadgil

Arijit Sengupta, Chemistry & Biochemistry

A Crosslinked Iron-Porphyrin Polymer as a Highly  
Efficient Catalyst for the Synthesis of Peptoid Ethyl Esters

Brandon Galloway, Jacob Gonzalez,  
Nathan McNaughton, Ryan Petrakis,  
Samuel Poignant, Jacob Rudy,  
Saquib Sarkar

David Brennan, Computer Science/CIS

AGCO 2020

Mikayla Ganan

Amy Scott, History

Age Isn't Just a Number: How The Hypersexualization of  
Underage Girls in the Media and Porn Industry Impacts Girls  
and Young Women

**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Tyler Gaster, Albert Soto

Saeid Vafaei, Mechanical Engineering

Analysis of viscosity behavior in nanofluids through experimentation and mathematical models

Virginia Girsch

Rachel Vollmer, Family and Consumer Sciences

An Investigation of Parent and Child Perceptions of Food Allergy Practices, Protocols and Policies in Schools

Antoine Haddad, Paige Hepner

Jennifer Jost, Biology

Investigating potential differences in thermally-induced oxidative stress for zebra mussels collected from three distinct sites within Banner Marsh

Haley Hardtke

Kristi McQuade, Chemistry & Biochemistry

Exploring the effects of phenolic compounds on *Fusarium verticillioides*

Isaiah Harlan

Elena Gabor, Communication

Organizational Culture in Blue-Collar Companies

Kelly Hicks

Amy Scott, History

The Relationship Between Gender and Peer Behavior Confrontation

D'vasha Hodges, Hannah Harrison,  
Aliyah Spencer, Caroline Kozaczka

Teresa Drake, Family and Consumer Sciences

Evaluation of a Stress Management Community Program

Natasha Hogan

Elena Gabor, Communication

The Cultural Analysis of a Non-Profit Organization

Kara Holder

Amy Scott, History

Marvel-ous Women: Women in Superhero Movies

**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Chloe Holm

Jennifer Jost, Biology

Evaluating the effect of food quantity and collection site on the growth, survival, and thermal tolerance of the invasive zebra mussel

Jennifer Houser

Naomi Stover, Biology  
Brad Andersh, Chemistry & Biochemistry

Potential mechanism of newly synthesized delta-lactone in bacterial cell death

Ewan Jetton

Agnes Cser, World Languages and Cultures

The Impact and Legacy of Franz Kafka's Amerika

Kuinan Jiang

Jing Wang, Electrical and Computer Engineering

Gesture-Controlled Drones

Evan Jones, Kristine Campbell

Edward Remsen, Chemistry & Biochemistry

Single Molecule Spectroscopic Analysis of Colloidal Silica Dispersions Used in Chemical Mechanical Planarization

Victoria Klangang,  
Mackenzie Newman,  
Andrew Yohanan, Terry-Brys Ward

Mitch Griffin, Marketing

Digital Tools

Joe Knott

Raj Iyer, Marketing

MLB Impact in China

Holly Korte, Catlin Ethridge,  
Lucas Splingaire

Saeid Vafaei, Mechanical Engineering  
Udo Schnupf, Chemistry & Biochemistry

Low Temperature Synthesis of Semiconductor SnO<sub>2</sub> Nanoparticles for Perovskite Solar Cells

Adam Kosciarz, Jack Lemmenes,  
Leonardo Caballero, Patrick Harper

Young Park, Computer Science/CIS

myMovieHUNT CS Capstone Project

**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Jenny Kosirowski, Holly Kinney

Ted Fleming, Biology

Quantifying and Reducing Biofilms Made by Clinical Setting Bacteria

Cassidy Kraft, Emily Rosengarten,  
Kayla Lippincott

Dean Campbell, Chemistry & Biochemistry

Use of Rusty Iron Spheres for Three Simple Demonstrations of the Relationship Between Kinetics and Surface Area

Andrew Krenzel

Victoria Kapanjie-Rians, History

Tainted Glory: The Story of the American Tankers of World War Two

John Kuhns

Brad Andersh, Chemistry & Biochemistry

The Synthesis and Analysis of 3-Oxo- $\delta$ -lactone Derivatives

Michael Kuzma, Caleb Lu

Brian Huggins, Electrical and Computer Eng.  
Ken Klotz, Entrepreneurship, Technology & Law

Self-Playing Guitars

Faith La Mantia, Leslie Crawford,  
Allyx Mason

Teresa Drake, Family and Consumer Sciences

Physical Activity in the Workplace

Meghan Lennon, Julia DeRango,  
Ethan Lederer

Jacob Young, Entrepreneurship, Technology & Law

Mamma mia, here you blow again! My my, how can we protect you? : The Development of a Threat Model for Whistle Blower Anonymity

Chelsea Lewis, Alexandra Phan,  
Benjamin Poignant,  
Cameron Schumacher,  
Monique Fields, Priyal Patel,  
Becca Ruger-Smith

Wendy Schweigert, Psychology

Disability and Interpersonal Distance



**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Kayla Lippincott, Emily Rosengarten,  
Cassidy Kraft

Dean Campbell, Chemistry & Biochemistry  
Arijit Sengupta, Chemistry & Biochemistry

Analysis of Copper Content in Copper Oxide/  
Polydimethylsiloxane "Click" Reaction Catalyst

Nate Lipski, Catlin Ethridge,  
Temple Thompson, Nikkoh Mendoza

Jeries Abou-Hanna, Mechanical Engineering  
Kalyani Nair, Mechanical Engineering

Accelerated Disk Blade Wear Stand

Brittany Lownds

Jennifer Jost, Biology

The Effect of Clumping Behavior on the Survival,  
Growth, and Cellular Physiology of the Zebra Mussel  
(*Dreissena polymorpha*) in a Central Illinois Population

Katie Mackh

Tachun Lin, Computer Science/CIS

Pocket Planner: iOS mobile app designed to help  
track each class's assignments and exams

Amr Manna

Charles Bukowski, Inst. of International Studies

Navigating the Peace Process of the Palestine-Israel  
Conflict by International Standards

Amr Manna

Udo Schnupf, Chemistry & Biochemistry

Computational Analysis of Drug Binding to  
Cytochrome P450

Daniel Massow

Amit Sinha, Finance and Quantitative Methods

Change in Gold and Silver prices and S&P500 returns

Colin McCambridge

John Marino, Biology

Assessing the species composition of trematode  
parasites in Illinois freshwater wetlands

**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Caitlyn McGrory,  
Samantha Michaud, Jasa Northrup,  
Juliana Lappano

Teresa Drake, Family and Consumer Sciences

Evaluation of Smart Shopping Education For Social  
Service Employees

Evan Miles, Tim Prosek

Andrew Strubhar, Physical Therapy and  
Health Science

Neurostatus Changes in Patients with Multiple  
Sclerosis following an Exercise Program

Colleen Miller, Baylee Blackburn

Keith Johnson, Biology

Regulatory Role of FexC Gene 5' UTR Structures in  
Reporter Gene Expression

Justin Mincy, Michael Stepuszek

Steve Tippett, Physical Therapy and  
Health Science

Ultrasonography of the Medial Meniscus in Weight  
Bearing and Non-Weight Bearing Positions

Matthew Moloney

Amit Sinha, Finance and Quantitative Methods

Relationship between commodity prices and return  
of S&P Industrials

Quentin Monagle, Steve Marbina

Mohammad Imtiaz, Electrical and Computer Eng.

Artificial Intelligence Based Self-Learning Object  
Sorting Robotic System

Miah Montes, Julia Long

Kristi McQuade, Chemistry & Biochemistry

Effects of oxidative stressors on compatible solute  
levels and growth in *Fusarium verticillioides*

Michael Moriarity, Karl Winek,  
Brittany Robinson

Robert Bertram, Physical Therapy and  
Health Science

Knowledge of Concussions

| <u>Student Presenter(s)</u>                | <u>Faculty Mentor(s)/Department</u>   | <u>Poster Title</u>  |
|--|---|--|
| Sydney Musselman                           | Elena Gabor, Communication  | Cultural Analysis of Peoria Retailer   |
| Trevor Nelsen                              | Amit Sinha, Finance and Quantitative Methods  | Relationship between the effective tax rate and stock market performance                           |
| Imelda Nuno-Garcia                         | Elena Gabor, Communication  | Cultural Analysis of a Fast Food Organization  |
| Bryan Olefsky, Robbie Svidron, Blen Teferi | Saeid Vafaei, Mechanical Engineering<br>Udo Schnupf, Chemistry & Biochemistry           | Synthesis of Rutile Semiconductor Nanoparticles: Dry-Freezing Method                               |
| Kyle Olson                                 | Amit Sinha, Finance and Quantitative Methods  | Research between Corporate Social Responsibility and Financial Performance                         |
| Alisha O'Regan                             | Kara Wolfe, Family and Consumer Sciences<br>Amanda Newell, Family and Consumer Sciences | Assessing the correlation between diet quality and food waste                                      |
| Patrick Orsinger                           | Philip Horvath, Finance and Quantitative Methods  | Predicting Peoria's Housing Market Trends Through Quantitative Methods & Data Analytics in Finance |
| Jenna Parente                              | Rajesh Iyer, Marketing  | The Effect of Luxury Consumption of Clothes in China on the Economy                                |
| Sahil Patel                                | Amit Sinha, Finance and Quantitative Methods  | Short Term Liquidity ratios vs. market return  |

**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Alejandro Perez

Elena Gabor, Communication

High School Cultural Analysis

Charles Perez-Suarez,  
Matthew Hoelscher

Naomi Stover, Biology

Expression of Methionine Repairing Enzymes in  
Oxidized Tetrahymena

Joseph Pitock, Adrienne Rozmus,  
Cameron Schumacher,  
Giovanna Zacarias

Amy Bacon, Psychology

The interaction of Social Anxiety and Ostracism on  
Binge Drinking Behaviors in Undergraduates

Ben Pollard, Mike Kelly,  
Tyler Armstrong

Dunja Antunovic, Communication

Experiential Learning Opportunities in Sports  
Communication

Sierra Pope

Carmen Keist, Family and Consumer Sciences

Perceptions of Professionalism: Women's Hair in the  
Workplace

Nicholas Porter

Jennifer Jost, Biology

Seasonal Variation in Oxidative Stress for Zebra  
Mussels Exposed to an Acute Thermal Challenge

Jermaine Potts, Jacques Potts

Rajesh Iyer, Marketing

Coronavirus Impact on Tourism

Carson Potts, Saray Patino

Naomi Stover, Biology

The effect of non-nutritive sweeteners on ENO1 and  
PFK1 expression in Tetrahymena thermophile

Zach Pruemmer, Isaac Beyer,

Pam Durr, Physical Therapy and Health Science

Effects of Chewing Gum on Dynamic Balance and



**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Chris Miles, Kylie Giebelhausen

Melissa Peterson, Physical Therapy and Health Science

Gait Activities in Healthy Adults

Spencer Redman

Eden Blair, Entrepreneurship, Technology & Law

Innovation in Gun Violence Prevention in Peoria

Irina Riggenschach

Amy Scott, History

An ethnographic study on female social entrepreneurship in the Peoria Warehouse District

Kiernan Robinson

John Marino, Biology

Influence of Food Resource Quality on Trematode Parasitism in Larval Frogs

Natalie Roe, Dylan Jones

Young Soo Kim, Electrical and Computer Eng.  
Yufeng Lu, Electrical and Computer Eng.

Wearable Aid System for the Visually Impaired

John Roop

Krishnanand Maillacheruvu, Civil Engineering and Construction

Solid Municipal Waste Management at Bradley University

Alayna Rosales

John Marino, Biology

Impacts of acidification on *Rana catesbeiana* tadpole interactions with trematode parasites

Gianna Ruiz, Anne-Marie Fauser

Craig Cady, Biology

The Artificial Lung

**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Maggie Rusiecka

Melinda Faulkner, Biology

Analyzing the function of Tpx and Bcp in Oxidatively-Stressed Environments

Noah Ryan

Amit Sinha, Finance and Quantitative Methods

Relationship between changes in GDP and market return

Philip Schlitter

Amit Sinha, Finance and Quantitative Methods

Relationship between debt equity ratio and stock return

Jacob Schuely, Christopher Sciortino

Udo Schnupf, Chemistry & Biochemistry

Energetic Comparison and Binding Energy Calculations of Varied Cyclodextrin Inclusion Complexes

Rachael Schulte, David Colson

Dunja Antunovic, Communication

Disney's Multiplane Camera

Sarah Schwantner, Louis Rojas,  
Arsinoe Del Real, Amy Martin

Teresa Drake, Family and Consumer Sciences

Evaluation of a Heart-Healthy Diet Program for Social Service Employees

Abigayle Sells

Melinda Faulkner, Biology

Effect of peroxides and other oxidants on the growth rate of *Bacillus subtilis* strains containing mutations in tpx and bcp

Chase Shawgo

Amit Sinha, Finance and Quantitative Methods

Unsystematic Risk and Equity Return

Luniva Singh

Jaime Grace, Biology

Mate Selection in *Drosophila*

**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Yosef Smith, Stephen Gruver,  
Arman Tousi, Iffat Mahmood,  
Jason Daluga, Gregory Blevins

Scott Williams, Computer Science/CIS

Brave (Bradley's Realistic Authentic Virtual  
Environment)

Alberto Soto, Tyler Gaster

Saeid Vafaei, Mechanical Engineering

An Overview of Theoretical Correlations for Thermal  
Conductivity

Lucas Splingaire, Catlin Ethridge,  
Holly Korte

Udo Schnupf, Chemistry & Biochemistry  
Saeid Vafaei, Mechanical Engineering

Low-Temperature Synthesis of Anatase TiO<sub>2</sub>  
Semiconductor Nanoparticles

Rebecca Splitt

Michelle Fry, Chemistry & Biochemistry

Probing membrane association of Vac8p with  
ketoconazole

Emily Stoller

Brenda Pratt, Physical Therapy and  
Health Science

Music's effects on Individuals with Disabilities

Hannah Subgrunski

Jan Gehring, Biology

Effects of Herbivory on Tropical Milkweed as  
Biocontrol

Makayla Suelter

Amit Sinha, Finance and Quantitative Methods

Methods of measuring a players worth

Robbie Svidron, Bryan Olefsky,  
Blen Teferi

Saeid Vafaei, Mechanical Engineering  
Udo Schnupf, Chemistry & Biochemistry

Sintering for Dye-Sensitized and Perovskite Solar  
Cell Application

**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Megan Szymus

Udo Schnupf, Chemistry & Biochemistry

Computational Study of Conformations of  
Exopolysaccharides

Blen Teferi, Robbie Svidron,  
Bryan Olefsky

Saeid Vafaei, Mechanical Engineering  
Udo Schnupf, Chemistry & Biochemistry

Investigation of Pool Boiling Deposition Method for  
Solar Cell Applications

Dalton Thomas, Alex Wolosz

Saeid Vafaei, Mechanical Engineering  
Udo Schnupf, Chemistry & Biochemistry

Nanoparticle sintering: Effects of period of maximum  
temperature on characteristics of deposited semiconductor  
nanoparticles

Dylan Thompson, Matt Buckley

Raj Iyer, Marketing Department

Counterfeit products and the economic effect

William Thornton

Udo Schnupf, Chemistry & Biochemistry  
Arijit Sengupta, Chemistry & Biochemistry

A Computational Analysis of the Free Energy of  
Hydrolysis for the Development of Novel  
Biodegradable Antimicrobial Polymers

Nick Topping

Jen Jost, Biology

Investigating the seasonal patterns of zebra mussel  
(*Dreissena polymorpha*) growth and physiology using field  
enclosures in central Illinois

Annie Tserendavaa

Jaime Grace, Biology

Induced Aggression in Female Stalk Eye Flies  
(*Cyrtodiopsis dalmanni*)

Josiah Ulrich

Dunja Antunovic, Communication  
Heidi Baumann, Management and Leadership

How does level of education impact probability of  
being selected into a job?



**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Soren Umali, Emily Fung,  
Uriel Barrera, Ashley Slack

Teresa Drake, Family and Consumer Sciences

Evaluation of Stress Management for Employees

Audrey Vice

Udo Schnupf, Chemistry & Biochemistry

A Computational Study of Metallic Organic  
Frameworks Used for Water Purification

Amanda Wagner, Kaleb Reecy,  
Gloire Lokombe, Elisabeth Canum,  
Richard McAlister

Kalyani Nair, Mechanical Engineering

Feasibility Study to Control and Visualize Fluid Flow  
Through Various Proximal Inlet Hole Designs

Mia Walker, Matthew Gates,  
Gregory Brandt, Dillon Lang,  
Katherine Mackh

David Brennan, Computer Science/CIS

Dynamic Personnel Management Application

Kasey Walsh, Karla Rubin De Celis,  
Leslie Rosas

Elena Gabor, Communication

Organizational Accidents: Japan Airlines Flight 123

Chris Walther

David Dominguese, Physical Therapy and  
Health Science

Exercise Intensity and Type of Activity Effects  
Landing Mechanics

Mac Watt

Dunja Antunovic, Communication

The professionalization of women's sport: An  
analysis of media practices in women's American football

Lindsey Wetle

Amanda Newell, Family and Consumer Sciences

Assessment of Fluid Fluctuations Throughout the  
Menstrual Cycle in Female Athletes

**Student Presenter(s)**

**Faculty Mentor(s)/Department**

**Poster Title**

Christina Wiebmer,  
Megan Bobrowski,  
Hannah Fauser-Hoyt, Haley Funk,  
Lauren Goldberger, Kelly Hicks,  
Samantha Lechowicz, Maja Mallory,  
Alexandra Phan

Claire Etaugh, Psychology

Relationships Between Hostile and Benevolent  
Ageism and Sexism: Gender Matters

Devan Wilbur, Sydney Musselman,  
Allison Kieser, Matthew Johnson

Elena Gabor, Communication

An Examination of the Tenerife Crash Through a High  
Reliability Lens

Ryan Willard

Amit Sinha, Finance and Quantitative Methods

Consumer Confidence vs. S&P 500 Returns

Kuba Wiszowaty, Dillion Wilson,  
Adrian McDevitt, Tyler Collins

Young Park, Computer Science/CIS

myGradeHint

Brian Wolf, Mahtasem Qattum

Steven Gutschlag, Electrical and Computer Eng.  
Brian Huggins, Electrical and Computer Eng.

Amplitude and Frequency Controller for Variable  
Frequency Drives

Alex Wolosz, Dalton Thomas

Saeid Vafaei, Mechanical Engineering  
Udo Schnupf, Chemistry & Biochemistry

Synthesis and Characterization of SnO<sub>2</sub>  
Semiconductor Nanoparticles: Effect of SnCl<sub>2</sub> Concentration  
during Synthesis on the Characteristics of Produced SnO<sub>2</sub>

Anna Wong, Andrew Knight

Andrew Strubhar, Physical Therapy and  
Health Science

Tandem Gait in Individuals with Neurological  
Impairments

Abe Yassin

Udo Schnupf, Chemistry & Biochemistry

Conformational Analysis of Oligosides



**Student Presenter(s)**

Taylor Zabrocki, Sarah Czuma,  
Walter Lembeck

Gigi Zacarias, Marisa Keever,  
Jillian Gomez

Rachel Zwilling, Kelly Mordini,  
Cal Vrchota

**Faculty Mentor(s)/Department**

Dunja Antunovic, Communication

Amy Bacon, Psychology

Joe Kelly, Physical Therapy and Health Science

**Poster Title**

Bridging the Gap with Social Media: Promotion of  
Women's Sport

The effect of age of first drink and ostracism on BAC

Reliability of a Self-Made Algometer