UNDERGRADUATE SYMPOSIUM FOR RESEARCH AND SCHOLARSHIP

Saturday, April 23, 2016

9 a.m. to 1 p.m.

Olscamp Hall @ BGSU

bgsu.edu/curs

BGSU | Center for Undergraduate Research & Scholarship

BOWLING GREEN STATE UNIVERSITY

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Use the QR code below to see the full abstracts of the poster presentations.

The Undergraduate Symposium for Research and Scholarship online evaluation can be found at:
https://www.surveymonkey.com/r/CURS16

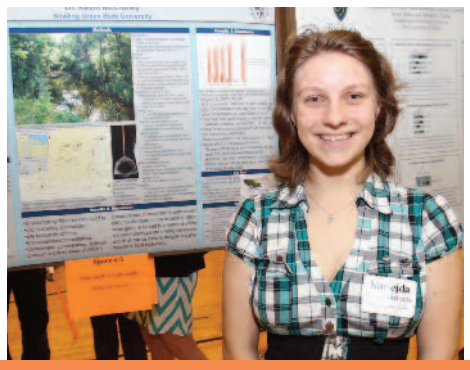
BGSU | Center for Undergraduate Research & Scholarship

BOWLING GREEN STATE UNIVERSITY

NWO Northwest Ohio Center for Excellence in STEM Education

SATURDAY, APRIL 23

8:30 a.m.	Doors Open	*Olscamp Hall*
9:00 a.m. – 9:20 a.m.	Welcome and Opening Remarks • **Dr. Cordula Mora**, Director, Center for Undergraduate Research and Scholarship • **Dr. Michael Ogawa**, Vice President for Research and Economic Development	*Olscamp Hall Room 111*
9:20 a.m. – 9:30 a.m.	Presentation of the Undergraduate Faculty Mentor of the Year Award • **Dr. Andrew J. Gregory**, Assistant Professor of Spatial Ecology School of Earth, Environment and Society	*Olscamp Hall Room 111*
9:30 a.m. – 9:45 a.m.	Light Breakfast Served	*Olscamp Hall Room 111*
9:45 a.m. – 1:00 p.m.	Poster Judging and Public Viewing	*Olscamp Hall*
9:45 a.m. – 11:05 a.m.	1st Round of Oral Presentations	*Olscamp Hall Rooms 201, 206, & 225*
11:15 a.m. – 12:35 p.m.	2nd Round of Oral Presentations	*Olscamp Hall Rooms 201, 206, & 225*
11:30 a.m. – 1:00 p.m.	Light Lunch Served	*Olscamp Hall Room 111*
12:45 p.m. – 1:00 p.m.	Closing Remarks • **Dr. W. Robert Midden**, Associate Vice Provost for Experiential and Innovative Learning	*Olscamp Hall Room 111*


WELCOME

Welcome to the Undergraduate Symposium for Research and Scholarship!

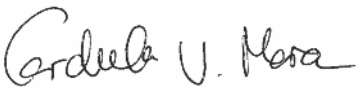
It is no secret that the driver of innovation in America is the strength of creative and critical thinking of researchers, scholars, and artists in all fields. While American culture often emphasizes the work in STEM fields – science, technology, engineering, and math – this symposium strives to recognize excellence in academic pursuit across many different fields, including the arts and humanities, social sciences, education, business, the creative disciplines, as well as the STEM fields. At Bowling Green State University (BGSU), we provide students with the opportunity to develop skills for research, inquiry, critical thinking, creativity, and scholarship through a variety of programs and experiential learning experiences.

Today, we feature the works of BGSU undergraduate students with a wide range of disciplines being represented at this annual Undergraduate Symposium for Research and Scholarship. I would like to welcome our students, their faculty mentors, their family and friends, as well as any visitors to our campus on Preview Day to this event and encourage them to help us celebrate undergraduate research, scholarship and creative achievements here at BGSU.

The Center for Undergraduate Research and Scholarship (CURS) supports and fosters undergraduate research, scholarship, and creative activities across all disciplines. Such activities are defined as any research, scholarly, or creative project that 1) makes an original intellectual contribution to the discipline, 2) is conducted under the guidance of a faculty mentor specializing in a discipline relevant to the project, and 3) is aimed to be disseminated to student peers, experts in the field, and/or the wider community. Student participants working on such projects are not only able to deepen their understanding of their chosen discipline through hands-on experience while working closely with a faculty mentor, but they are also able to take pride in their intellectual contribution to their field while at the same time preparing themselves for graduate studies or work-life.

Today's symposium is co-sponsored by CURS and the Northwest Ohio Center for Excellence in STEM Education (NWO). As the Director of CURS I would like to congratulate all of the students whose work is being showcased today for challenging and engaging themselves in exemplary ways in research, scholarship and creative work.

Sincerely,



Dr. Cordula Mora, Director
Center for Undergraduate Research and Scholarship (CURS)

GUEST SPEAKERS

Dr. Cordula Mora grew up originally in Germany and was always very interested in understanding why animals behaved the way that they did. She completed her undergraduate and graduate education at the University of Auckland in New Zealand. There she worked for her Ph.D. thesis with homing pigeons trying to understand how they use the Earth's magnetic field to home back to their loft from completely unfamiliar places. For her postdoctoral studies at the University of North Carolina she investigated the behaviour of loggerhead sea turtles to see how they use various sensory cues to find their way in their home territory as well as during long-distance migrations. In 2009, she joined the Psychology Department at BGSU, where she continued her navigation research with homing pigeons as part of the J.P. Scott Center for Neuroscience, Mind & Behavior. She became the director of the Center for Undergraduate Research and Scholarship in 2014.

Dr. Michael Ogawa is Vice President for Research and Economic Development at Bowling Green State University. His goals in building this division are to advance the scholarly and creative activities of the BGSU faculty, and to create new programs through which the University can be a more active partner in promoting the region's economy. A member of the BGSU faculty for 20 years, Dr. Ogawa holds the rank of Professor of Chemistry and served as Department Chair from 2003-2010. He has published over 50 peer reviewed scientific articles and book chapters in the field of bio-inorganic chemistry, and has received over $4 million in external grant support for his work. Among his academic honors are the 2002 BGSU Olscamp Research Award and a 2008 Fulbright Scholarship. He received his B.A. degree from Oberlin College, and M.S. and Ph.D. degrees from Northwestern University.

Dr. Midden has been a faculty member in the Department of Chemistry since 1987 and his current research is the investigation of the factors that influence water quality in the Western Lake Erie basin. He has published numerous articles in peer-reviewed journals. He is also the Director of NWO and AIMS and most recently has also taken on the role of Assoc. Vice Provost for Experiential and Innovative Learning.

GLASS AWARD

Two students giving an oral presentation and two students presenting posters will be awarded the CURS glass award designed by BGSU's own glass-blower extraordinaire Joel O'Dorisio. This stunning award symbolizes the student (sphere) being embraced by BGSU (orang and brown falcon talons) with the award as a whole also resembling an abstract eye, symbolizing knowledge. Posters and presentations will be judged by faculty volunteers and the winners will be announced several days after the symposium event.

The 2015 CURS Glass Award Winners with President Mary Ellen Mazey (left to right): Danielle Rains (Education, BGSU), Shelby Sweinhagen (Fine Arts – 3D Sculpture, BGSU), Jane Powell (Department of German, Russian, and East Asian Languages, BGSU), Nadejda Mirochnitchenko (Biology, BGSU), Alisha Sangal Physiology/Pharmacology, University of Toledo), Diau'Monique Warner (Sociology)

UNDERGRADUATE RESEARCH & SCHOLARSHIP OPPORTUNITIES AT BOWLING GREEN STATE UNIVERSITY

Bowling Green State University strives to increase the visibility, prestige, and material support for participation in research, scholarly and creative activities by undergraduate students. Our belief is that critical and constructive thinking as well as communication are infused into the process of scholarly discovery and the dissemination of results. To that end, BGSU offers programs to enhance the experiential learning experience of undergraduate students by providing support through mentorship, funding, and skill development. Participants do not only experience pride from making an original intellectual or creative contribution within their chosen discipline, but they are better prepared for graduate studies or work-life.

The Center for Undergraduate Research and Scholarship (CURS)

http://www.bgsu.edu/offices/curs/

Established in 2004, the mission of CURS is to enhance the undergraduate experience with meaningful research, scholarly, and creative activities in all fields of study. Through experiencing the processes of discovery and dissemination of their results, students become fully engaged members of our learning community.

- Open to all undergraduate students at BGSU from all disciplines
- Fall and spring research grants of up to $500 for the faculty mentors lab for supplies and a $200 stipend for the student
- Summer research grants of up to $500 for the faculty mentors lab for supplies and a stipend of up to $2,500 for the student are available to support a 10-week (28 hours per week) intensive research project
- Travel grants of up to $200 for students to present their research, scholarly, or creative activities selected via peer review or juried processes at regional, (inter)national conferences or exhibits.

Please contact Dr. Cordula Mora at cmora@bgsu.edu for more information.

Academic Investment in Math and Science (AIMS)

http://www.bgsu.edu/offices/aims/

The mission of the AIMS Program is to establish a world-class training center for graduating-women and underrepresented minorities – STEM majors. Many of these students will proceed to get terminal degrees in their fields, then ultimately perform cutting edge research, service and/or teaching. Moreover, all should be well prepared to take advantage of an array of opportunities and make valuable contributions as STEM professionals.

- Program is open to incoming first-year students
- Yearly scholarships of $1,500
- Annual incremental increases for those remaining in good academic standing
- Additional financial assistance may be available for eligible participants

Contact Chris Mitchell at cmitche@bgsu.edu for more information.

Building Ohio's Sustainable Energy Future (BOSEF)

http://cosmos.bgsu.edu/bosef/

The BOSEF program draws on the special strengths of northwest Ohio in renewable and sustainable energy technology both in manufacturing and research to provide state-of-the art education opportunities for students who are interested in pursuing careers in these fields. It provides scholarships and an innovative program that enriches students' opportunities for research and internships to ensure that they are optimally prepared for the next steps in their preparation for an exciting and highly successful career.

Ronald E. McNair Post-Baccalaureate Achievement Program (McNair Scholars Program)

http://www.bgsu.edu/offices/sa/trio/mcnair/

The McNair Scholars Program is a U.S. Department of Education funded TRIO Program that encourages undergraduate students to pursue graduate studies by providing opportunities to define goals, to en-gage in research, and to develop the skills and student/faculty mentor relationships critical to success at the doctoral level. Staff work closely with program participants as they complete their undergradu-ate requirements to encourage them to enroll in graduate programs and to track their progress through to the successful completion of advanced degrees.

- Targets first generation college students who are economically disadvantaged as well as stu-dents from underrepresented racial/ethnic populations with an interest in pursuing the PhD
- Offers research opportunities and presentation experience under the mentorship of a faculty member

Encourages participation in seminars and workshops that assist in understanding the culture of graduate school, graduate school admission process, and options for financing graduate educa-tion

Contact Tracy Tabaczynski at ttabacz@bgsu.edu for more information.

Northwest Ohio Center for Excellence in STEM Education (NWO)

www.nwocenter.org

The Northwest Ohio Center for Excellence in STEM Education (NWO) strives to advance STEM education for people of all ages. To serve that mission NWO hosts a wide range of activities, events, initiatives, and programs. Among these are projects which promote undergraduate student participation in research. Currently two of these are grant funded: Building Ohio's Sustainable Energy Future which is funded by the Choose Ohio First Program of the Ohio Board of Regents, and the other is funded by two grants from the National Science Foundation, "Granting Access to Mathematics and Science." NWO also plays a role in other activities that promote undergraduate research including AIMS (Academic Investment in Mathematics and Science).

Contact nwo@bgsu.edu for more information.

Science & Math Education in ACTION (ACTION)

http://www.bgsu.edu/action

The ACTION program provides innovative opportunities to BGSU students to prepare the best science and mathematics teachers in the State of Ohio. The goal of ACTION is to increase the number of science and mathematics education graduates and to improve their effectiveness at teaching these subjects. The program achieves these goals by providing early exposure to hands-on science, mathematics, and education topics, research experience, and a “family” atmosphere.

Available for incoming first-year students at BGSU who are Ohio residents.

Open to top students interested in teaching science and/or mathematics in grades 4 through 12.

Funding covers: a four-year academic scholarship that increases every year, an all-expense paid residential Summer Bridge experience before freshman year, first-year science or mathematics group research project, sophomore year science or mathematics practicum experience, junior and senior year pedagogical (classroom) research project

Contact action@bgsu.edu for more information.

ORAL PRESENTATIONS OVERVIEW

TIME	PRESENTER	TITLE OF PRESENTATION
Olscamp Room 201		
Moderator: Heath Diehl		
9:45 – 10:05 a.m.	Jacqueline Osborn	Póliza: A Bilingual Anthology of Postmodern Female Spanish Peninsular Poets Investigating Poetry Translation
10:05 – 10:25 a.m.	Zohreh Safarabadi Farahani	Lalehzar Street
10:25 – 10:45 a.m.	Nathan Stelts	"The Americans"
10:45 – 11:05 a.m.	Christine Wright	Protean Spaces Initiative
Olscamp Room 201		
Moderator: Alexey Zayak		
11:15 – 11:35 a.m.	Josiah Fox	White Dancer: Confronting the Politics of Race
11:35 – 11:55 a.m.	Benjamin Hardy	Silver Nanoparticles as a Solar Absorber and the Effect of High Energy Irradiation
11:55 a.m. – 12:15 p.m.	Jordan Kilpatrick	Engaging Euripides: An Intermediate Greek Reader
12:15 – 12:35 p.m.	Cody Stombaugh	Biolabeling Through the Use of Water-Soluble Colloidal Quantum Dots
Olscamp Room 206		
Moderator: HeeSoon Lee		
9:45 – 10:05 a.m.	Brooke Kranz	Cycology of the Ride
10:05 – 10:25 a.m.	Alisha Sanders	Roman Archaism in Depictions of Apollo in the Augustan Period
10:25 – 10:45 a.m.	Rebecca Schroeder	Seeking Solace: Regret, Grief, Anxiety
10:45 – 11:05 a.m.	Abigail Watson	Lingua Franca - The Evolution and Extinction of Language through Globalization
Olscamp Room 206		
Moderator: Julia Halo Wildschutte		
11:15 – 11:35 a.m.	Kristy Atanasov	Cultural Appropriation in 21st Century Film: The Depiction of Black Culture in 2015's Hit Comedies Pitch Perfect 2 and Get Hard
11:35 – 11:55 a.m.	Darrico Harris	The Most Influential Factors for Black Males to Attend or Defer College
11:55 a.m. – 12:15 p.m.	Elizabeth Herring	Role of Humor Production and Humor Receptivity in Relationship Satisfaction
12:15 – 12:35 p.m.	David Westmeyer	Bachelor of Liberal Studies Degree Option for Pre-Dental Undergraduate Students at BGSU
Olscamp Room 225		
Moderator: John Farver		
9:45 – 10:05 a.m.	Joe Basalla	Small World Initiative: Crowdsourcing Antibiotic Discovery
10:05 – 10:25 a.m.	Joshua Chaffins	Nitric Oxide Release from Polymer Encapsulated Inorganic Compounds
10:25 – 10:45 a.m.	Katelyn Lang	High Fructose Corn Syrup and Economic Disparity
10:45 – 11:05 a.m.	Nadejda Mirochnitchenko	Are Beached Harmful Algal Blooms Affecting Terrestrial Insect Communities on Lake Erie's Shore?
Olscamp Room 225		
Moderator: Anne Gordon		
11:15 – 11:35 a.m.	Moriah Angott	An Unchained Analysis of Racial Tension in America
11:35 – 11:55 a.m.	Rachel Berg	Inspector G.E.N.R.E.- Helping Students Get Excited for New Reading Experiences
11:55 a.m.– 12:15 p.m.	Ashley Brickner	Signs of Friendship
12:15 – 12:35 p.m.	Michael Moran	La Santa Cecilia

Olscamp 201

Name: Jacqueline Osborn

Major(s): Spanish

Institution: Bowling Green State University

Faculty Advisor(s): Amanda McGuire Rzicznek, General Studies Writing

Presentation Time: 9:45 a.m.

Póliza: A Bilingual Anthology of Postmodern Female Spanish Peninsular Poets Investigating Poetry Translation

Within this project I endeavor to translate a series of poems from seven postmodern female Spanish poets, exploring the challenges and idiosyncrasies of not only the migration between languages, but those specifically between Spanish and English as well as those particular to poetry translation. Of course, there are inherent limits to this process. Regarding the differences between English and Spanish, such difficulties as the presence of naturally reflexive verbs, neutral pronouns, more efficient nominalization of adjectives, and the greater presence of the subjunctive tense in Spanish arise. Respecting the problem of poetry, the structure, rhythm, and even the tone of a poem in one language are often very difficult to reproduce in the target language. And finally, questions concerning the extent to which a work should be translated, such as the presence of idioms or culturally specific phenomenon and whether these should find equivalents in the second language, which elements of poetry should receive more attention and insurance in the final product, and even how much liberty the translator can take with the original work, all come to the surface. Through my own translations, I attempt to answer and address these issues and ultimately produce my own interpretations and art from the works of these authors as well.

Name: Zohreh Safarabadi Farahani

Major(s): Architecture

Institution: Bowling Green State University

Faculty Advisor(s): Sara Khorshidifard, Architecture and Environmental Design

Presentation Time: 10:05 a.m.

Lalehzar Street

This presentation aims to represent the model of current condition of Lalezar street in Capital of Iran, Tehran and visualize a solution for bringing back the public life to this street.

Name: Nathan Stelts

Major(s): Marketing

Institution: Bowling Green State University

Faculty Advisor(s): Eileen Cherry-Chandler, Theater and Film

Presentation Time: 10:25 a.m.

"The Americans"

The research methods of performance studies offer an incisive means of social inquiry. Performance scholars as social critics provide a performance-oriented lens for examining all forms of social action and human behavior. We maintain that fieldwork is a collaborative process between the observer and the observed. My solo performance of "The Americans" embodies my observations of the intercultural relationships between American students and British citizens while I was abroad. It is based on a personal narrative where I probe questions of identity, critical subjectivity and cultural politics. My ethnographic focus is on young American's understanding of themselves, their relationship with others, global consciousness and intercultural respect.

ORAL PRESENTATIONS

Olscamp 201

Name: Christine Wright

Major(s): Architecture

Institution: Bowling Green State University

Faculty Advisor(s): Sara Khorshidifard, Architecture and Environmental Design

Presentation Time: 10:45 a.m.

Additional Authors: Alex De Angelis, Sara Farahani

Protean Spaces Initiative

This CURS project engaged three undergraduate students in design of an open-access academic website titled "Urban Protean Space Initiative" as well as making graphic book reports that showcased selected images from the urban study-design projects completed by the architecture's Urbanism Studio in Fall 2015. The mentor's long-term research provided an overarching theme. The research has introduced and elaborated on the concept of "protean spaces." In the context Tehran, her studies resulted in innovative ways and indications of best locations for such spaces. The three students engaged in aspects of that research through CURS and expanded the knowledge of the concept at a broader scale.

Name: Josiah Fox

Major(s): Mathematics

Institution: Bowling Green State University

Faculty Advisor(s): Eileen Cherry-Chandler, Theater and Film

Presentation Time: 11:15 a.m.

White Dancer: Confronting the Politics of Race

My interest and training in hip-hop and popping dance styles were the foundation for my participant/observation of this artform as practiced by urban African American performers. My fieldwork took me to New York City where I shared my skills with a street audience of experienced African American dancers. What occurred challenged my awareness of "whiteness", the politics of race and cultural appropriation. My performance of my narrative "White Dancer" records this experience and its unexpected outcome. It comments on our major intentions of performance research: engender intercultural respect; benefit our subjects; contribute to a more enlightened and involved citizenship that will disturb systems and practices that limit possibilities, question identity, representation and fairness; and enrich our own subjectivity, cultural politics and art making.

Name: Benjamin Hardy

Major(s): Physics/Math

Institution: Bowling Green State University

Faculty Advisor(s): Farida Selim, Physics & Astronomy

Presentation Time: 11:35 a.m.

Silver Nanoparticles as a Solar Absorber and the Effect of High Energy Irradiation

This work reports the possibility of developing Silver nanoparticles implanted into a polymer as a solar absorber. The plasmonic nature of the silver nanoparticle allows for adjustments to be made in its UV-VIS-NIR absorbance spectrum. A combination of different sized/shaped particles could result in ideal absorption of the majority of the solar spectrum. Allotting this with the stability of a polymer leads to potential solids or solutions that could work as a solar absorber. Tests were also performed to determine whether or not UV-C irradiation during synthesis affects the characteristics of silver nanoparticles, in particular the absorbance. Successful synthesis of Silver nanoparticles in solid form or as colloidal particles in a solution by using a strong reducing agent was achieved, with stabilization of the particles in a polymer material. By controlling the reactivity of the reducing agent used in the synthesis process, we are able to significantly affect the plasma frequency of the particles. UV-C light irradiation during synthesis led to relatively higher absorbance levels in both the solids and the colloidal particles. Silver nanoparticles with different plasmon frequencies combined with the effect of UV-C irradiation during synthesis have potential for solar absorbing technology.

Olscamp 201

Name: Jordan Kilpatrick

Major(s): Classic Civilizations

Institution: Bowling Green State University

Faculty Advisor(s): N/A

Presentation Time: 11:55 a.m.

Engaging Euripides: An Intermediate Greek Reader

Engaging Euripides: A Text for the Modern Student Dr. Phil Peek and I set out to create an intermediate Greek reader with Euripides' Alcestis. Our project ran from 18 May 2015 until 7 December 2015, during which time I was accountable to Dr. Peek for two hours of work per day, five days per week. My mentor Dr. Peek and I went into this project with very specific goals in mind. Namely, to tear apart and reconstruct the grammar, punctuation, context, and individual words themselves, and to then notate them in a glossary in a way which would be helpful for an intermediate student of Attic Greek. In order to reach these goals, we structured the project into separate phases and within these phases, clearly laid out the tasks to be completed. The outcome is a textbook still in progress, which will be fully publishable and usable by students and teachers alike when finished.

Name: Cody Stombaugh

Major(s): Physics

Institution: Bowling Green State University

Faculty Advisor(s): Liangfeng Sun, Physics & Astronomy

Presentation Time: 12:15 p.m.

Biolabeling Through the Use of Water-Soluble Colloidal Quantum Dots

Nanomaterials continues to be a growing field of study due to their wide range of potential applications. Quantum dots are artificially synthesized crystalline clusters of atoms able to confine electron motion as a result of their incredibly small size. Recently, medical applications of nanomaterials has expanded greatly. Quantum dots are ideal for biolabeling due to their rather narrow photoluminescence emission peaks. By synthesizing quantum dots of a specific diameter, it is possible to predetermine the peak photoluminescence wavelength of a sample. Through ligand exchange and immunoconjugation of the quantum dots with proteins, it is possible to use the quantum dots as biolabels to study the inner machinations of the cellular world. These processes have a predictable effect on the properties of the quantum dots: most importantly, their photoluminescence peak wavelength. By understanding the ways in which these processes effect the quantum dots, it is possible to choose the correct quantum dots for a specific final emission wavelength. Further research is being conducted to perform bio-imaging using these processes and resolve some current limitations found therein.

Olscamp 206

Name: Brooke Kranz

Major(s): Graphic Design

Institution: Bowling Green State University

Faculty Advisor(s): Amy Fidler, Graphic Design

Presentation Time: 9:45 a.m.

Cycology of the Ride

One in four people will be affected by a mental illness at some point in their lives. By sharing my own story of depression, I hope to open the conversation about mental illness. My graphic design piece shows my journey with battling depression through my own therapy method of cycling. I tracked all my routes during my process of recovery, which can be seen, highlighted in green in the center of every mandala I created. The mandala is a form I decided to work with because it signifies meditation, peace, and spiritual and personal enlightenment; all relating to how I felt after every ride. I chose to do twelve mandalas because it took me twelve months to openly talk about my past struggles with depression. Also, it took me twelve rides to recognize a positive change of moods, thought, and action.

Through this series, I visualized my own process of recovery from the first wheel to the last. The amount of time I spent designing each mandala was the amount of time I rode that particular route. The design of each mandala is stemmed off the shape of the route while the colors are what I focused on during that particular ride. This positive change within me can be visually seen as the designs get more complex and colors get more vibrant as each ride passes.

Name: Alisha Sanders

Major(s): Art History

Institution: Bowling Green State University

Faculty Advisor(s): Sean Leatherbury, Art History and Heath Diehl, Honors College

Presentation Time: 10:05 a.m.

Roman Archaism in Depictions of Apollo in the Augustan Period

At the end of the first century BCE, the Roman Empire was being established, and Augustus Caesar was taking sole power of the Roman world. In order to spread the values and concepts that he wanted to perpetuate in the new political order, he revived an archaic art style based on that of the archaic period of ancient Greece. As one of the first, and most studied, examples of Augustus's use of Roman Archaism was the Temple of Apollo on the Palatine, this study is focused on works that include depictions of Apollo. Apollo is an especially significant figure to consider in a study on a revival of a Greek style because he was originally a Greek god that was absorbed into the Roman pantheon, just as Roman Archaism was appropriated into Roman artwork. Augustus also considered Apollo as an ancestor and used Apollo to rally support during the Battle of Actium in 31 BCE. By looking at some of the works of Roman Archaism created in the time period of Augustus's rule that depict Apollo, this paper argues that Augustus meant to promote certain ideals to the Roman people. The ideals being emphasized included a restoration of religious piety, a subtle reminder of military power, a grounded history for the royal family, and a new youthful ideal for depictions of Roman people.

Olscamp 206

Name: Rebecca Schroeder

Major(s): Graphic Design

Institution: Bowling Green State University

Faculty Advisor(s): Amy Fidler, Graphic Design and Heather Elliott-Famularo, Digital Arts

Presentation Time: 10:25 a.m.

Seeking Solace: Regret, Grief, Anxiety

Seeking Solace: Regret, Grief, Anxiety is a triptych video and artifact piece inspired by the abstract analysis of my dreams. It recognizes worries held within my subconscious and brings them to life through graphic design, photography, and video. The process of creating provides a new perspective of looking at both art and occupational therapy as methods of solving emotional distress. I have recorded over 80 of my dreams in the past year. In these dreams, regret, grief, and anxiety are common themes. These themes are represented in three triptychs that cycle through past, present, and future problems. The cycling of the triptychs simulates the dream cycles one's brain undergoes during sleep. Corresponding artifacts invite the viewer to interact with this creative healing process. Regret responds to dreams about the struggles with past human relationships. Light serves as a dual symbol expressing both confrontation and forgiveness. The book served as a performative artifact that encouraged me to convert my negative memories into positive experiences. Grief responds to dreams about the loss of a loved one in the present. Through rediscovery and repurposing of past items, it encouraged me to focus on the history and memory of the individual and helped me find comfort in these items. Anxiety responds to dreams about the fear of future events. It utilizes repetition and disorder to describe that I am not fully in control of the future. The balance serves as a visual representation of weighing priorities to find emotional equilibrium.

To view project: http://www.bgsugd.com/project/seeking-solace-regret-grief-anxiety/

Name: Abigail Watson

Major(s): BFA Digital Arts

Institution: Bowling Green State University

Faculty Advisor(s): Kim Young, Digital Arts

Presentation Time: 10:45 a.m.

Lingua Franca - The Evolution and Extinction of Language through Globalization

Lingua Franca is a series of works that includes an animation, digital paintings, and a research essay dedicated to exploring the effects of globalization on language. By the end of the century, an estimated fifty to ninety percent of languages will go extinct. The global culture we exist in makes it difficult to preserve isolated and uncommonly spoken languages, but it is vital to human culture and development to preserve different languages. How can the average person preserve language, and why is it important? The animation Lingua Franca abstracts a common form of language loss: colonization. A dominant language can wipe out other languages through conquest and systematic stigmatization until it no longer exists in its original form. The "I speak" art series raises awareness of the people who still exist today that speak endangered languages. Although it is hard to utilize endangered languages in a global forum, they exist and they still are speaking.

For this symposium, I will present on a brief history of language evolution and how modern times has changed the way languages spread. I will address the connection between language, culture, and human evolution and stress the importance language has to a person. The animation Lingua Franca and other art pieces will be used to supplement the information I address.

ORAL PRESENTATIONS

Olscamp 206

Name: Kristy Atanasov

Major(s): Philosophy

Institution: Bowling Green State University

Faculty Advisor(s): Jamie Stuart, Cultural & Critical Studies

Presentation Time: 11:15 a.m.

Cultural Appropriation in 21st Century Film: The Depiction of Black Culture in 2015's Hit Comedies Pitch Perfect 2 and Get Hard

This paper discusses the issues of cornrows and cultural appropriation in terms of two movies, Pitch Perfect 2 and Get Hard, which came out in 2015. The paper discusses the origins of cornrows as having an intrinsic symbolism as a representation of black culture and the progress of African Americans. Having established the cultural beginnings of the hairstyle, the paper will present a discussion of cultural appropriation and its distinct moralities in relevance to the cornrow hairstyle. In the application of two recent and popular movies, there will be a discussion of the nuance associated with the cornrow hairstyle as well a theoretical conceptualization of these new ideas. To conclude, a suggestion, based on critical and sociological analysis, will be proposed in attempts to make sense of the presentation of black culture in these movies, as well as society as a whole.

Name: Darrico Harris

Major(s): Psychology/Sociology

Institution: Bowling Green State University

Faculty Advisor(s): Ewart Skinner, Telecommunications

Presentation Time: 11:35 a.m.

The Most Influential Factors for Black Males to Attend or Defer College

This qualitative study examines the most influential factors determining black males' decisions to attend college. Fifteen black males who have graduated high school are interviewed and asked a series of in-depth questions about their decisions. The results of this study can be used to innovate programs and initiatives to encourage black males to attend, persevere and graduate from college.

Olscamp 206

Name: Elizabeth Herring

Major(s): Psychology

Institution: Bowling Green State University

Faculty Advisor(s): Anne K. Gordon, Psychology

Presentation Time: 11:55 a.m.

Role of Humor Production and Humor Receptivity in Relationship Satisfaction

In his book, The Mating Mind, evolutionary psychologist, Geoffrey Miller, argues that women find men who are intelligent, creative, and/or funny to be attractive, in part, because the ability to write, speak fluently, produce art, music, or humor are signals of a healthy brain. Women would have benefited over the course of evolutionary history from mating with healthy men. However, women have been found to have different preferences for mate characteristics than men. For example, with regards to intelligence, females are expected to have a higher preference for a mate with intelligence because it solves the adaptive problem of finding a mate with the ability to secure and provide resources. Whereas, males are expected to have a higher preference for a mate who exhibits physical attractiveness because this is seen as a cue of her reproductive capability. Similarly, while research has shown that both men and women report preferring a partner with a good sense of humor, interestingly, when questioned more specifically, the research suggests that men prefer women who are receptive to their humor, not necessarily who make them laugh. On the other hand, women prefer men who produce humor. The aim of the current research is to test if the documented preferences for humor production among women and humor receptivity among men correlate with women's and men's relationship satisfaction. Furthermore, the current research explores the relationship of these preferences with behavioral tendencies such as, mate retention and relationship conflict.

Name: David Westmeyer

Major(s): Liberal Studies

Institution: Bowling Green State University

Faculty Advisor(s): Heath Diehl, Honors College

Presentation Time: 12:15 p.m.

Bachelor of Liberal Studies Degree Option for Pre-Dental Undergraduate Students at BGSU

Admission to dental school is more competitive than ever. Admissions counselors at dental schools are no longer just looking for the right test scores and GPA. They are looking for well-rounded applicants with a variety of undergraduate coursework. While dental school applicants must have a strong foundation in the sciences, the success of their practice will also depend on many other aspects of their profession. Examples of these aspects would be a strong education in art skill-sets and business savvy. BGSU has all of the courses necessary to prepare our students to be successful professionals no matter what field they choose. The purpose of my project is to use my field, dentistry, as an example of how pre-professional students can use the Bachelor of Liberal Studies degree at BGSU to meet all of the challenges of preparing for a successful career in a professional field.

Olscamp 225

Name: Joe Basalla

Major(s): Biology

Institution: Bowling Green State University

Faculty Advisor(s): Hans Wildschutte, Biology

Presentation Time: 9:45 a.m.

Small World Initiative: Crowdsourcing Antibiotic Discovery

The emergence of bacterial pathogens to all known antibiotics is a global crisis. The under regulation and overuse of antibiotics in agriculture has provided a selective pressure that has led to the persistence of antibiotic resistant strains. An effect of this selection is infection by resistant pathogens which is predicted to be the leading cause of death in 35 years, reminiscent of the pre-antibiotic era. Furthermore, due to the lack of financial benefits, pharmaceutical companies are unwilling to devote effort into the discovery and development of novel antibiotic compounds that can be used clinically to control bacteria that are resistant to most of the antibiotics used currently. As a result, a crowdsourcing effort termed "the Small World Initiative" (SWI) has developed to direct undergraduate microbiology research towards the discovery of novel antibiotics. SWI attempts to achieve this discovery by identifying bacterial strains that are capable of inhibiting the growth of other strains and therefore produce antibiotics. In a collaborative effort lead by undergraduates from across the country, SWI provides a significant effort to the discovery of novel antibiotic compounds and the genes that encode them. At BGSU, we adapted the SWI strategy to isolate Pseudomonas strains. This bacterial group is well known for their genetic diversity and ability to produce diverse compounds including antibiotics. After we isolate these strains and determine which ones produce inhibitory factors, transposon mutagenesis can be used to identify genes encoding antibacterial products. Here, we describe the SWI methodology.

Name: Joshua Chaffins

Major(s): Chemistry

Institution: Bowling Green State University

Faculty Advisor(s): Alexis Ostrowski, Chemistry

Presentation Time: 10:05 a.m.

Nitric Oxide Release from Polymer Encapsulated Inorganic Compounds

Nitric oxide is an important signalling molecule implicated in research on topics from cancer and vasodilation to memory formation and immune function. Composites of Polydimethylsiloxane (PDMS) and sodium nitroprusside (SNP) were created via polymerization of the PDMS with the presence of SNP. The composites were tested for light-controlled nitric oxide (NO) release after irradiation with 405 nm light. Results show that the SNP/PDMS composites produced physiologically relevant quantities of NO with a high quantum yield across a range of conditions including: in air, under nitrogen, in phosphate-buffered saline, and submerged in presence of the biological reductant glutathione. Results also show that the PDMS prevents the deterioration of SNP into cyanide due to temperatures ranging up to 100 degrees Celsius, acidity or basicity of the solution, or exposure to light. The creation of these films represents an important step towards an implant with therapeutic applications.

Olscamp 225

Name: Katelyn Lang

Major(s): Biology

Institution: Bowling Green State University

Faculty Advisor(s): Kaitlyn Wauthier, Ethnic Studies

Presentation Time: 10:25 a.m.

High Fructose Corn Syrup and Economic Disparity

The quality of food purchased by consumers varies upon which socioeconomic classes an individual resides in. Those within the upper class can afford high quality of food; meanwhile, lower quality foods, filled with refined sugars, grains, preservatives, and added fats, are within the budget of those living at/below poverty levels. This caste system affects children's health as well as adults'; eating lower quality foods can lead to obesity. Furthermore, obese or overweight children are more likely to have heart and blood problems in the future.

Lower quality foods are filled with High Fructose Corn Syrup (HFCS), which is broken down in the human body in the same way as any other added sugar, except at a faster rate. In turn, this rapid break down causes triglyceride levels to increase, even with the smallest ingestion. A consistent rise in triglyceride levels over time results in an a higher risk of cardiovascular disease and weight gain. Thus, a correlation is seen through the HFCS filled foods and the socioeconomic class' obesity rates.

Name: Nadejda Mirochnitchenko

Major(s): Biology-Ecology and Conservation

Institution: Bowling Green State University

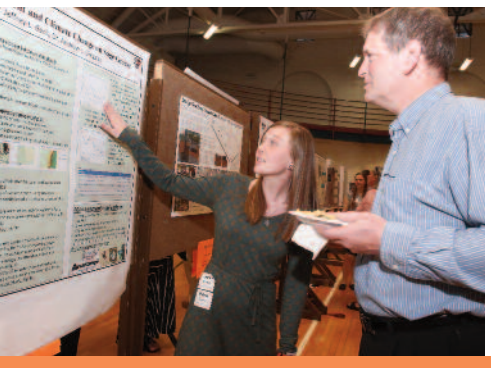
Faculty Advisor(s): Kevin McCluney, Biology

Presentation Time: 10:45 a.m.

Are Beached Harmful Algal Blooms Affecting Terrestrial Insect Communities on Lake Erie's Shore?

Polis and Hurd demonstrated that washed up sea wrack from the ocean substantially supported terrestrial food webs on small islands. We investigated whether similar effects were possible for lakeshore food webs, even when the beached material was toxic cyanobacteria. Detritivores were observed consuming allochtonous material such as sea grass, but not cyanobacteria.

As beached cyanobacteria increased, arthropod abundance decreased. Ongoing investigations are analyzing diet composition and toxicity of washed up material to determine whether terrestrial arthropods are taking advantage of this nutritionally rich material despite the toxicity.



ORAL PRESENTATIONS

Olscamp 225

Name: Moriah Angott

Major(s): Film Production

Institution: Bowling Green State University

Faculty Advisor(s): Clayton Rosati, Telecommunications

Presentation Time: 11:15 a.m.

An Unchained Analysis of Racial Tension in America

Modern race issues stem not only from the past but also from a lack of understanding and empathy for each other. How we talk about race will not only inform how we are able to move forward as a society, but it will also say a great deal about how we are evolving as human beings. It is important, and has been recognized as such, that black Americans have the freedom to grapple with that past, to understand it, and to feel connected to those ancestors who suffered in order for the foundation of this country to be built. Is it then not also important for white Americans to understand and reconcile with that past?

To tackle this question, I have analyzed the film Django Unchained directed by Quentin Tarantino, a white filmmaker, and starring Jamie Fox, Christoph Waltz, Samuel L. Jackson, and Leonardo DiCaprio. This film, like many of Tarantino's films, has been regarded as a crude, gory, and an inaccurate representation of past events. My goal, though not to defend Tarantino and his habit of speaking freely without remorse, is to find a way to look at the film in a way in which its critics did not. Instead of immediately reacting negatively to the gut-wrenching imagery, I am taking a deeper look at how those images are in line with a history of in-your-face film making that is native to black independent cinema.

Name: Rachel Berg

Major(s): Early Childhood Education

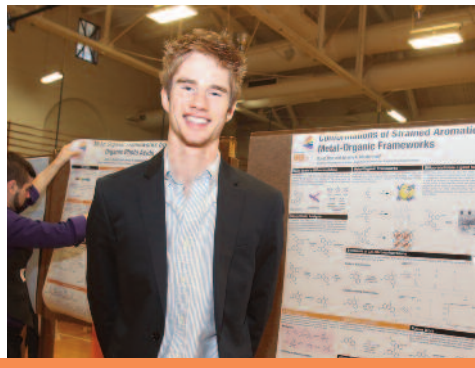
Institution: Bowling Green State University

Faculty Advisor(s): Mary Ann Culver, Teaching & Learning

Presentation Time: 11:35 a.m.

Inspector G.E.N.R.E.- Helping Students Get Excited for New Reading Experiences

With standards for education and students on the rise, pressure for early childhood students increases. This project looks at helping young students understand why reading is important and how they can find joy in reading.



Olscamp 225

Name: Ashley Brickner

Major(s): Creative Writing

Institution: Bowling Green State University

Faculty Advisor(s): Abigail Cloud, English

Presentation Time: 11:55 a.m.

Additional Authors: Kaylee Kapalko

Signs of Friendship

This children's book is about mainstreaming a deaf student into a public school composed of predominantly hearing children, and the eventual friendship between that student and a hearing student. The majority of deaf students are educated in hearing schools and experience high rates of social isolation as a result of the inability to communicate with their peers. In order to create this book, there was collaboration between a communication disorders major and a creative writing major in order to create a realistic portrayal yet creative learning tool for children at a young age. We chose to aim our book at a younger age group in order to establish early on that a deaf person is no different than a hearing person and to then encourage the importance of building a friendship. Our hope is that by reading this book, children will grasp how to act in a situation where they meet a deaf person, specifically in school, and how to overcome the communication barriers in order to make a new friend.

Name: Michael Moran

Major(s): Communiation Studies

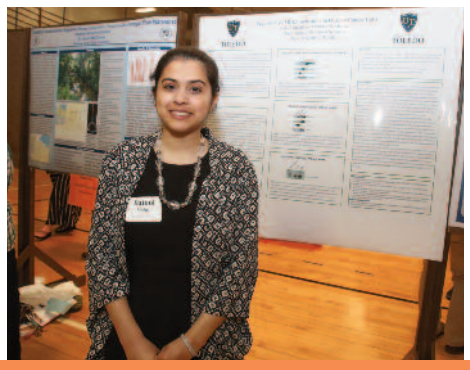
Institution: Bowling Green State University

Faculty Advisor(s): Louie Moreno, Ethnic Studies

Presentation Time: 12:15 p.m.

La Santa Cecilia

When artist make there wonderful pieces, they are inspired by what the world has to offer. Reasons are that art is a reflection of reality, and we can see this though many artist and in this case musicians. Example are, Ludwig Von Beethoven with his Fifth Symphony during the time of the French revolution, to Marvin Gay single "What's Going On" written around the time of the 1960s civil rights movement. Reality are reflections that inspire art and music, which leads to a band of today La Santa Cecilia. They are a musical group that are from the urban area from Los Angeles, California. An Alternative rock group with strong roots of Latin flavor and Chicano history. Lately, they have been in the lime light not just for their music, but for the controversial takes on their messages with their songs and the values the stand on. So we look at the whole picture, the history of the group and how they formed, what inspires their sound and lyrics, then look at the reality of today with what is happening outside the group, and finally see where stand. The band La Santa Cecilia is just like another in musical group, they tell stories.



UNDERGRADUATE FACULTY MENTOR OF THE YEAR AWARD

Dr. Andrew J. Gregory
Assistant Professor of Spatial Ecology
School of Earth, Environment and Society

Photo: Dr. Gregory with students in Kenya

Dr. Gregory earned his PHD in ecology and evolutionary Biology at Kansas State University in 2011 and joined the faculty at BGSU in the School of Earth, Environment and Society in the fall of 2013. After starting his position at BGSU, he created the Genetic Research in Applied Spatial Ecology Lab (GRASE). The research focus of GRASE is to apply contemporary geospatial and spatial genetical analyses to better understand how human land use impacts the distribution and viability of wildlife populations. This work lends itself readily to student capstone projects, where undergraduate students get to collect and analyze data, and present the results of their work at regional, national and international scientific conferences. Since coming to BGSU Dr. Gregory has had the fortune to work on research projects with more than 15 undergraduate students. These students have presented their work at three regional, two national and four international scientific conferences and two undergraduate students are currently working on publishing the results of their work. Dr. Gregory thoroughly enjoys engaging undergraduates students in research because he finds their passion and enthusiasm for the work to be inspiring.

A few words from the students who nominated Dr. Gregory:

"Throughout my experience working with Dr. Gregory he gave me the skills to work with a team in the lab as well as the knowledge to work alone. He taught me to think about a topic with a different perspective that allowed me to work better on my own with problem solving."

"He is very positive and very knowledgeable in his fields. He is also always welcoming to help you and go the extra mile to explain a concept for you!"

"Dr. Andrew Gregory goes above and beyond with providing interested students with involvement with ongoing research, or even their own projects. I have been involved in Dr. Gregory's lab for almost two years and he often approaches me and other undergraduate students with new research opportunities. He strives for his students to excel outside of the classroom and to get involved with a self-motivated inquiry-based learning experience. Personally, Dr. Gregory has allowed me to learn hands-on technical and critical thinking skills through research that I would never have received in a class setting."

"Dr. Gregory provides a wealth of research opportunity and knowledge to any student interested in extracurricular research for student and professional development."

ARCHITECTURE AND ENVIRONMENTAL DESIGN

Presenter	Poster #	Title of Presentation
Alessandro De Angelis	1	Arch 4210 research book

ATHLETIC TRAINING PROGRAM

Presenter	Poster #	Title of Presentation
Adam Paynter	2	Designing an Overall Health Program for Individuals with Down Syndrome: A clinical Case Study

BIOLOGICAL SCIENCES

Presenter	Poster #	Title of Presentation
Alec Brown	27	Purification of the Bacteriophage ϕ80 cor gene product
Mercedes Chumbley	28	Quality and Quantity: Comparisons of sugar concentrations throughout one of the rarest habitat in the Midwest
Jayna Clemens	29	Healthcare Leadership Institute
Renee Dollard	30	Chemical stress and recombination in Drosophila melanogaster
Rachel Drown	31	Color Variation of Rhacodactylus auriculatus in Routine Care
Ashley Everett	32	Chemical Stress and Recombination in Drosophila melanogaster
Andrea Fisher	33	Comparative Homing Behaviors in Two Species of Crayfish, Fallicambarus Fodiens and Orconectes Rusticus
William Gyurgyik	34	Fertility and Mortality in Corn Snakes with the "Odd" Trait
Chris Hicks	35	Tracing the Nuclear Dynamics Involved in Carbon-Halogen Bond Cleavage in Real Time
Haley Ingram	36	The effects of framing devices on the perception of environmental quality
Kaitlin Richard	37	Comparison of commercial gecko food on growth of Rhacodactylus geckos
Daniel Rochester	38	Determining the Presence of a New Species of Drosophila melanogaster
Hannah Scheppler	39	Characterization of Avian Sexing Marker in Spheniscus Magellanicus
Christopher Schimmoeller	40	Determining the Presence of a New Species of Drosophila melanogaster
Preston Thompson	41	Measuring Gene Flow Among Existing Prairie Remnants and Native Prairie Restoration Sites at Oak Openings Reserve
Emily Warner	42	Phage Isolates from Caprine and Pseudo-Camelid Fecal Samples
Rachel Wilson	43	The effect of Copper Sulfate on Saprolegnia Salmonis
Matt Zach	44	Prey hydration influences wolf spider predation
Hallie Zimmer	45	Bacteriophage EMS9: preliminary genomic description

CHEMISTRY

Presenter	Poster #	Title of Presentation
Jacob Chesnick	46	Towards Organic Photoacids for Metal-Organic Materials
Elizabeth Crowther (poster #1)	47	Performance Appraisal of a Novel Manure Treatment Process at Laboratory Scale
Elizabeth Crowther (poster #2)	48	Analysis of Baseline Soil Nutrients at the OSU Northwest Agricultural Research Station
David Darr	49	Synthesis of Highly-Twisted Aromatic Ligands for MOFs
Laura Skebba	51	Improved Synthesis of Naphthol-based Photoacids for Controlling the pH at the Surface of Nanoparticles
William Sberna	52	An investigation of the anti-microbial activity of curcumin and polymerized green tea extracts.

POSTER PRESENTERS

COMMUNICATION

Presenter	Poster #	Title of Presentation
Drew Ashby-King	3	#BG4Unity: Testing the effectiveness of a social media advocacy workshop
Krystal Ingman	4	The Creation, Sharing, and Promotion of Japanese Media and Popular Culture on Tumblr: Exposure to Internationality in Early Adulthood
Kelsey Lortz	5	Digital Poetry: Writing for the Electronic Medium
Valerie Skorupski	6	Social Media and Civic Engagement
Jessica Smorul	7	"What's Best For Business - An Ethnographic Study of the WWE Universe"
Amanda Spangenberg	8	Promoting Quality Input: The Influence of Copula in Child-Directed Speech on Toddlers' Subject-Copula Combinations

CRIMINAL JUSTICE

Presenter	Poster #	Title of Presentation
Ryan Hunter	10	Comparative Analysis of Two Alert Crawler-Based Search Services: Google Alerts versus Mention.net
Raven Ory	11	Intercoder Reliability Assessment of Supplemental Document Coding in a Quantitative Content Analysis Study of Police Crime in the United States

DIETETICS

Presenter	Poster #	Title of Presentation
Megan Hemmelgarn	53	One Month Later: Retention of Nutrition Knowledge After a One-Time Food Demo Intervention

ENVIRONMENTAL SCIENCE

Presenter	Poster #	Title of Presentation
Leah Binsack	54	Genetic Diversity of Lesser Prairie-Chickens in a Zone of Sympatry with Greater Prairie-Chickens in Kansas
Stephanie Gowan	55	Assessing the Rate of Genetic Diversity Loss/Gain From Cultivated Seed Bank to Restored Prairie at Oak Openings Reserve
Ashlee Nichter	56	Effects of Anthropogenic Noise on Male Lesser Prairie-Chicken Lek Attendance

GEOLOGY

Presenter	Poster #	Title of Presentation
Thomas Gaetano	57	Anatomical Markers for Heightened Cognitive Ability in Dinosaurs
Anthony Martino	58	Electron Microprobe Analysis of Kalfstindar Volcano, Iceland
Matthew Witte	59	Morphometric Analysis of the Trilobite *Eldredgeops Rana* to Assess Geographic Patterns of Variation in the Michigan and Appalachian Basins during the Middle Devonian Period

HISTORY

Presenter	Poster #	Title of Presentation
Dominique Seo	12	The Regal Theater: The Forefront of Racial Desegregation
Matthew Wright	13	Analysis of Afro-Mexican Soldiers: From the Late Eighteenth to Early Nineteenth Century

INCLUSIVE EARLY CHILDHOOD EDUCATION

Presenter	Poster #	Title of Presentation
Alison Bixler	14	Family-Friendly Science: Increasing Parent and Family Engagement in STEM Education at the Early Childhood Level
Stephanie Wonnell	15	Transgender Children: Who Are They and How Can We Help Them

MUSIC

Presenter	Poster #	Title of Presentation
Lydia Dempsey	16	The Wishing Well: A Children's Ballet (Composer's Perspective)
Sophia Schmitz	17	The Wishing Well: A Choreographer's Perspective

NEUROSCIENCE

Presenter	Poster #	Title of Presentation
Gregory Grecco	81	Impact of Functional Group Modifications on Designer Phenethylamine Induced Hyperthermia
Kylee Smith	60	Reward Preference, Discrimination and Relative Valuation Base On Effort
Samuel Woodburn	61	Interactions of Acidic Glycosaminoglycans with Basic Proteins and Peptides
Luke Zona	62	Psychopharmacology of Choice: Anandamide's Effect on Appetitive and Consummatory Behavior in the Rat Model

PHILOSOPHY

Presenter	Poster #	Title of Presentation
Adam Lewton	63	Learning Elementary Greek

PHYSICS

Presenter	Poster #	Title of Presentation
Anthony Colosimo	64	Scintillation Mechanisms in Wide and Direct Band Gap Oxides
Adam Lahey	65	Atomic Layer Deposition (ALD) of Quantum Dots: Monolayer Growth of Nanocrystals at Room Temperature
Joseph Leffler II	66	Thermal Annealing of PbS Nanosheets
Lindsay Lesh	67	Carbon MD Simulations and Comparison to Graphitic Stardust

POLITICAL SCIENCE

Presenter	Poster #	Title of Presentation
Nathan Burkholder	68	Media Coverage in Relation to Retrospective Voting: Using Obama's Overall Article Tone to Predict Clinton's Overall Article Tone
Leslie Potts	69	#BlackSpacesExist: An Analysis of the Virtual Culture of Activism on Black Twitter

PSYCHOLOGY

Presenter	Poster #	Title of Presentation
Samantha Awada	70	The relationship between therapist barriers to parent engagement and therapist parent engagement efficacy: The moderating role of demographic variables
Alexandria Hudeck	71	The Effects of Mindfulness Meditation on EEG Asymmetry
Alexandra Schmidt	72	Incentive Contrast as a Relative Reward Process: Using sucrose solutions in a single session to test rapid reward comparisons in rats
La-Shawna Stegall	73	Get Hard: A Contemporary Depiction of Buddy Films and a New Perspective on Race in the United States

POSTER PRESENTERS

PUBLIC AND ALLIED HEALTH

Presenter	Poster #	Title of Presentation
Emily Gill	74	Prevalence of Muscle Dysmorphia and Disordered Eating in College Students by Predominant Exercise Type

SCHOOL OF ART – FINE ART

Presenter	Poster #	Title of Presentation
Alyssa Wells	18	Borderline Mexican: An Art Series on Bicultural Identity

SCHOOL OF ART – GLASS

Presenter	Poster #	Title of Presentation
Jacqueline Polofka	19	Reactive Glass Color Experimentation
Lauren Rusch	20	Traditional Coldworking Techniques in Glass

SOCIAL WORK

Presenter	Poster #	Title of Presentation
Faith Joyce	21	Homelessness and the Effects on Families and Children
Alana Marsh	22	Exploring the Unique Needs and Experiences of Biological Children in a Foster Family
Haley Perkins	23	The Effects of Autism on Transitioning from Adolescence into Adulthood
Margaret Scott	25	The Crisis in Crisis Intervention: An Analysis of Crisis Care and Community Mental Health in Northwest Ohio

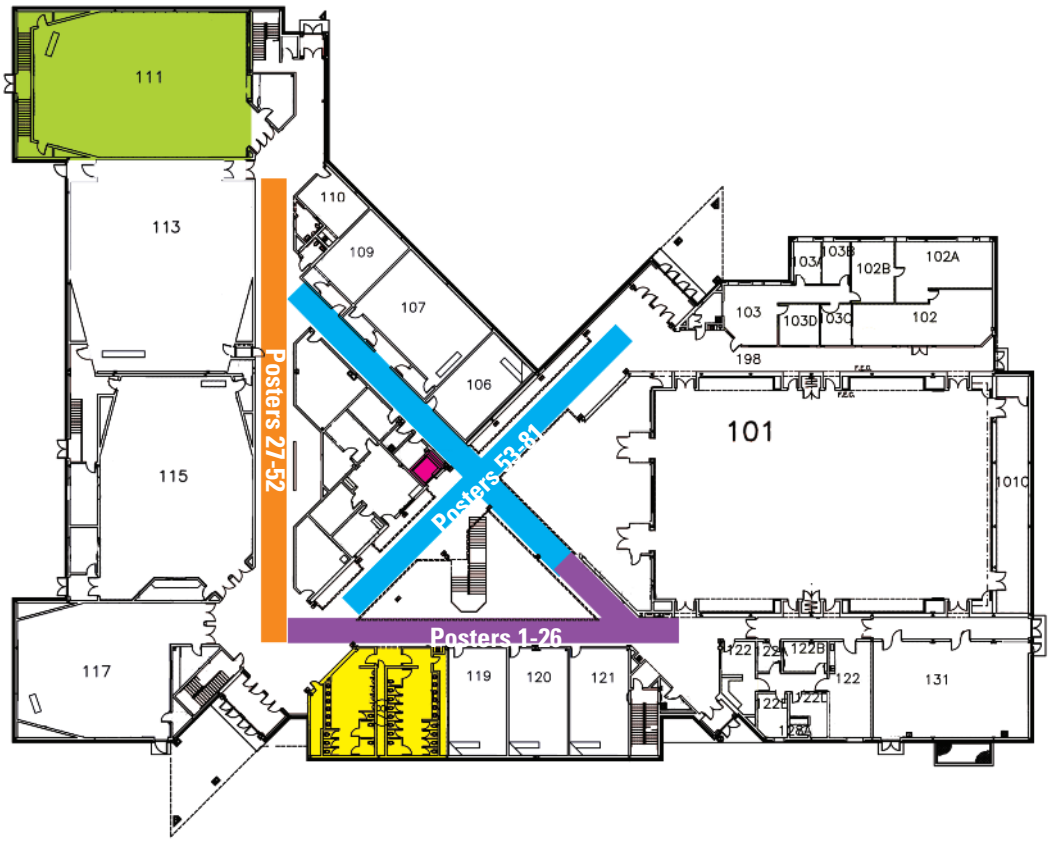
SOCIOLOGY

Presenter	Poster #	Title of Presentation
Mallory Farabaugh	75	Racial/Ethnic Diversity, Condom Use, Sexual Concurrency, And HIV Testing Among College Students
Katie Finch	76	Unmarried Older Adults and Economic Well-Being
Samantha Nousak	77	Characteristics of Social Support from Peers in Grade 6 Children
Nico Pinchak	78	Violent Perpetration and the Interplay of Family and School Socioeconomic Segregation
Courtney Spears	79	The Association Between Family Relationships and Fathers' Psychological Well-Being
Kaitlyn Wimmers	80	Multicultural Advertising and Updated Branding for Wedding Photographers

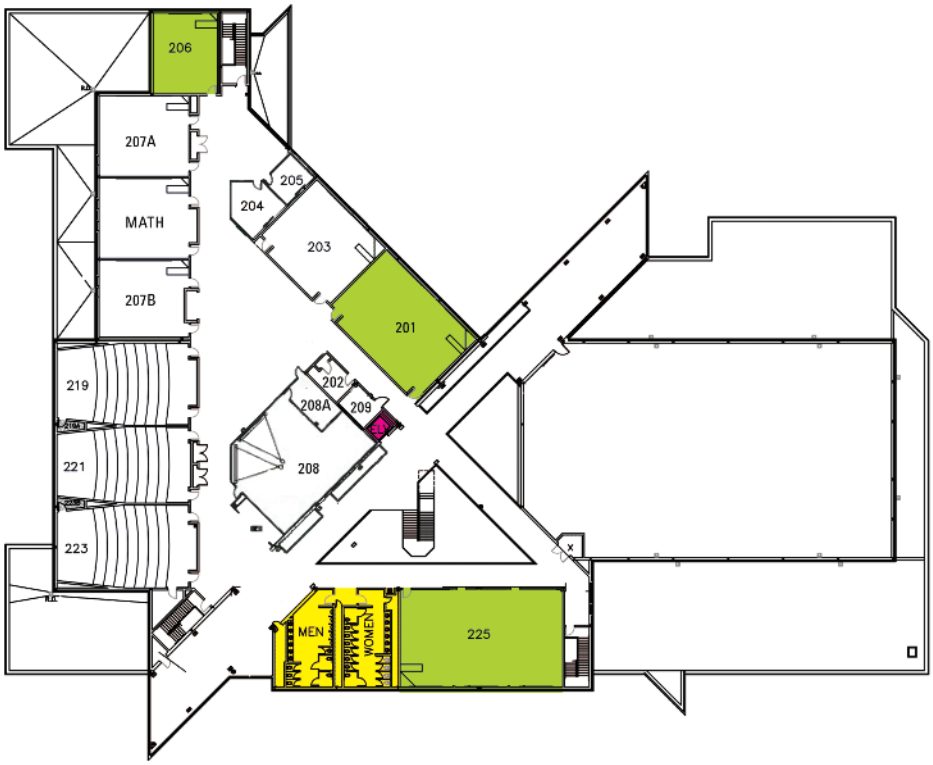
VISUAL COMMUNICATION TECHNOLOGY

Presenter	Poster #	Title of Presentation
Treasure Brown	26	Touch Screen Prototyping

OLSCAMP MALL MAP - FIRST FLOOR



OLSCAMP MALL MAP - SECOND FLOOR



THANK YOU

On behalf of the Center for Undergraduate Research and Scholarship (CURS) and NWO here at BGSU, we would like to recognize the people whose support has been crucial to the success of our students and this symposium. Thank you to the faculty mentors and research advisors for taking the time to assist these students in becoming the future leaders and scholars in their respective fields. Your guidance is integral to the research process and completion of the project. Thank you to the families and friends of the students we recognized today for building a foundation that encourages academic challenge and engagement, cheering them on throughout the process, and attending the symposium today. Finally thank you to the students for sharing their work with us this morning. It is truly incredible to see what our students are capable of accomplishing. We hope for an even better and bigger event next year.

Dr. Cordula Mora, Director of CURS

Dr. W. Robert Midden, Director of NWO