



EAST  
STROUDSBURG  
UNIVERSITY

# Research, **Scholarship,** and **Creative** **Activity**

Fiscal Year 2019-2020

## FEATURED INSIDE

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- 26 SPOTLIGHT ON EXTERNAL GRANTS
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- 36-37 STAYING THE COURSE AND FIGHTING FOR SOCIAL JUSTICE

MISSION STATEMENT

A photograph of a sailboat on the ocean at sunset. The sky is filled with orange and yellow light, with dark clouds scattered across it. The water is a deep blue, and the sailboat is silhouetted against the bright horizon.

*THE MISSION of the Office of Sponsored Projects and Research within the Division of Academic Affairs is to advance the research enterprise at East Stroudsburg University by promoting an environment that fosters creativity, collaboration, and community.*

# Research, **Scholarship,** and **Creative Activity**



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## MESSAGE FROM THE PRESIDENT

The theme for the **2019-2020 Research, Scholarship and Creative Activity** report is “*Staying the Course*,” a theme that challenges us to stay focused, to keep our sights on what lies ahead, and to not miss the opportunities along the way. It also reassures us that the course we choose to follow will ultimately lead us to a positive outcome, a desired destination, an ultimate goal – so, we stay the course.

This past year, the COVID-19 pandemic propelled our world onto a “new course,” a course of uncertainty, a course with no obvious end in sight, a course that continues to test our ability to literally survive.



Our journey on this “new course” of uncertainty has not been easy. As of January 2021, our nation surpassed 24 million cases of COVID-19 and more than 400,000 deaths related to the pandemic. We are all hopeful that this “new course” will be altered as a result of the first COVID-19 vaccination administered to a critical-care unit nurse in Queens, New York on December 14, 2020. The development and approval of the COVID-19 vaccine in historic record time supported the evidence that science and data drive decision making, innovation stimulates creation, and that the human spirit is resilient and will endure.

As Interim President of East Stroudsburg University, I am confident that ESU will continue to prevail through the COVID-19 pandemic and that ESU will remain agile and resilient as it navigates its “new course” – a course that will influence our mission as an institution of higher education and help us pivot to best serve our students.

ESU experienced many significant changes during the past year. Marcia G. Welsh, Ph.D., the 13th president of ESU and the first female president in the 127 year history of our institution, retired on July 31, 2020. The significant achievements showcased in the **2019-2020 Research, Scholarship and Creative Activity** report were conducted during her presidency. These activities, projects and initiatives embody the goals of ESU’s Strategic Plan, Students First: Empowering Innovation through Collaboration, a plan initiated by President Welsh by incorporating students in meaningful ways and in “growing a culture of intrapreneurship.”

I encourage you to take the time to review the grants, research and creative activity that took place this past year by our students, faculty and staff – the proud members of our Warrior family. Special thanks to the primary investigators and project leaders for their energy, passion, and commitment to research and creative endeavors. Together, we are navigating ESU’s new course for higher education and rising to the challenge of delivering high quality educational experiences for our students during these increasingly uncertain times.

Sincerely,

A handwritten signature in black ink that reads "Kenneth Long". The signature is fluid and cursive, with the last name "Long" being particularly prominent.

Kenneth Long  
Interim President

# A Tribute to President Welsh

As you approach the President's Office in the Reibman Administration Building, one can't help but notice the historic leadership lineage of ESU's past presidents, dating back to the first president George P. Bible in 1893. Upon approaching the office entrance, the visitor immediately notices the most recent portrait of Marcia G. Welsh, Ph.D., ESU's 13th president and the first female president in the 127-year history of East Stroudsburg University. The sharp contrast in the portraits does not end with the obvious change in gender or cinematic evolution of photography from black and white to color; the viewer is captivated by the energy, determination and smile portrayed in the photograph of President Welsh who retired from ESU in July 2020 after leading our campus community on an innovative and collaborative journey for eight years.

President Welsh was known for her unwavering commitment to place Student's First, for her endless energy and for her belief in the potential of ESU, its students, faculty, staff and community. She was a trail blazer on many fronts: as the first female president in ESU history, leading the opening of ESU's Lehigh Valley Center in Bethlehem, initiating ESU's annual Economic Outlook Summit, partnering with Pocono Medical Center, and leading the university as it engaged in many challenges. She was a powerful role model for women faculty and students alike.

Among her many accomplishments while president were overseeing the establishment of two doctoral degree programs, new varsity athletics teams, and building a good neighbor program within the East Stroudsburg community. Dr. Welsh has been honored with multiple achievement awards due to her efforts on behalf of ESU including being named one of the Top 25 Women in Business by the Northeast Pennsylvania Business Journal, and landing a spot among the Top 10 Influential Executives on Social

Media by Campus Sonar.

Dr. Welsh inspired and challenged ESU. She led two university strategic plans that emphasized activities celebrated here in the annual **Research, Scholarship, and Creative Activity** publication, including Students First: Innovate ESU and Students First: Empowering Innovation Through Collaboration 2017-2020. She was instrumental in setting a goal for ESU's faculty and staff to grow its service and research grants to achieve \$5,000,000 in annual awards by 2020. That goal was realized in 2016-17 with the achievement of the National Science Foundation Clear Path scholarship grant.

She had many words of encouragement for ESU Warriors for their hard work depicted in the annual Research, Scholarship and Creative Activity reports. She always reminded us to remain focused and to strive for excellence in all of our pursuits. In the 2014-2015 booklet she wrote, "But let us remember the core reason for seeking external grants: external awards are a vehicle by which we can build and enhance academically excellent programs that are competitive on the national level. These dollars support the intellectual vigor and quality of our programs."

Thank you for the inspiration, Dr. Welsh! We wish you all the best!

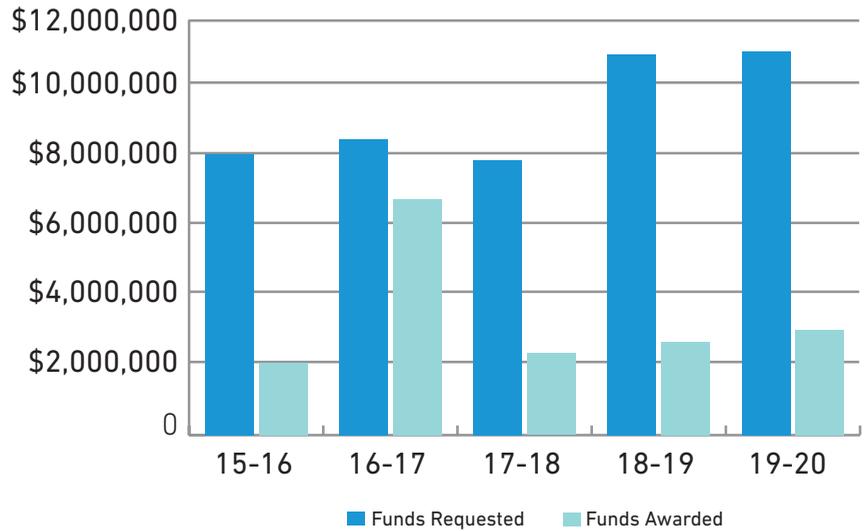


# Funding Metrics for Sponsored Projects

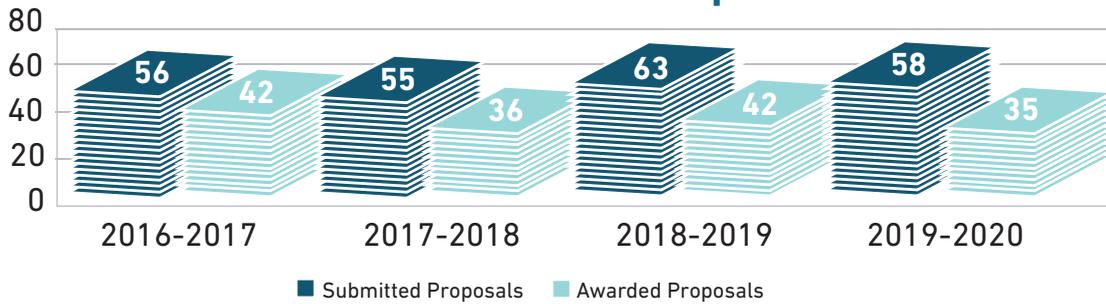
The Office of Sponsored Projects and Research within the Division of Academic Affairs continues to support the advancement of the research and creative activity enterprise at ESU. In 2019-2020, ESU brought in \$3,171,163 in external awards and achieved an impressive overall average 62% acceptance rate on its submissions.

The University submitted 58 proposals in 2019-20 and the amount requested was \$11,251,438. This was the second year in a row with total requests above \$11M indicating a trend of higher involvement in grant seeking by ESU faculty and staff. Fluctuations in total grant awards are noted in the year-to-year award tracking with some years registering a spike due to a large federal or private grant, as was the case in the 2016-17 fiscal year.

## FIVE YEAR OVERVIEW: EXTERNAL GRANTS REQUESTS AND AWARDS

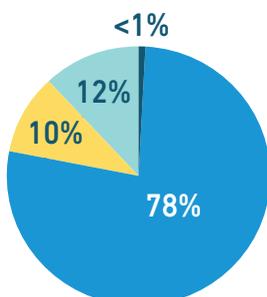
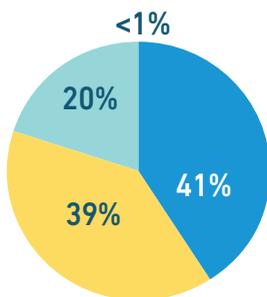


## Trend in External Proposals



58

Average Annual # of Proposals Submitted



### EXTERNAL GRANT AWARDS 2019-2020 Proposals Awarded

<span style="color: blue;">●</span> PASSHE	\$1,800	1
<span style="color: blue;">●</span> Federal	\$1,313,902	7
<span style="color: yellow;">●</span> State	\$1,237,086	8
<span style="color: teal;">●</span> Private	\$618,375	19
<b>SUM</b>	<b>\$3,171,163</b>	<b>35</b>

### EXTERNAL GRANT REQUESTS 2019-2020 Proposals Requested

<span style="color: blue;">●</span> PASSHE	\$19,054	2
<span style="color: blue;">●</span> Federal	\$8,726,315	16
<span style="color: yellow;">●</span> State	\$1,146,237	11
<span style="color: teal;">●</span> Private	\$1,359,832	29
<b>SUM</b>	<b>\$11,251,438</b>	<b>58</b>

2019-2020 PERCENT OF AWARDED EXTERNAL SUBMISSIONS AND CUMULATIVE DOLLAR AMOUNT OF AWARDS



Arts and Sciences



Business and Management



Education



Health Sciences



University Divisions and Affiliates

College/Division	Proposals Submitted	Proposals Awarded
Arts and Sciences	25	13
Business and Management	3	2
Education	6	3

College/Division	Proposals Submitted	Proposals Awarded
Health Sciences	5	4
University Divisions and Affiliates	19	13

University Divisions and Affiliates include: Academic Affairs, Administration & Finance, Athletics, Campus Life and Inclusive Excellence, Economic Development and Entrepreneurship, Enrollment Management, ESU Foundation and Office of University Advancement, Kemp Library

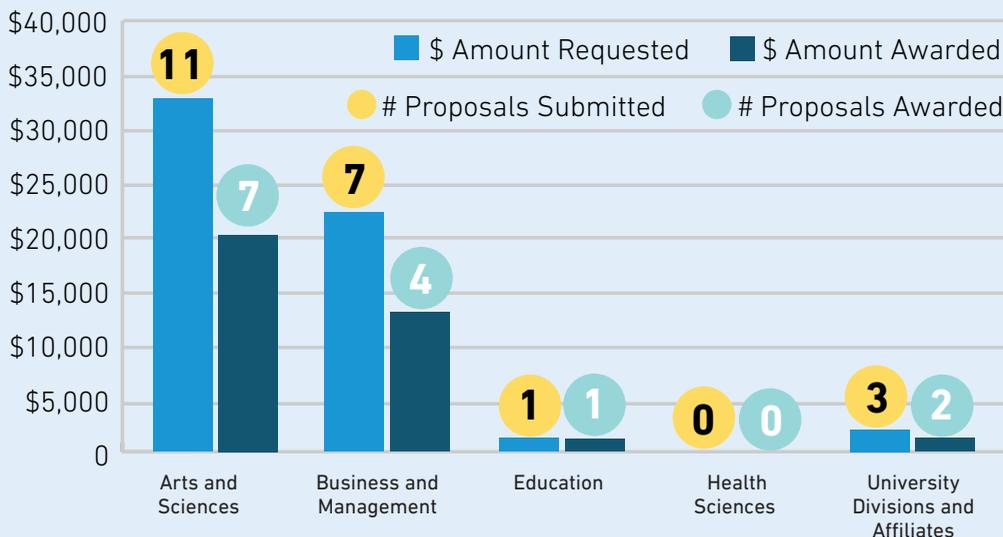
# CARES ACT

In spring 2020 when the COVID-19 pandemic began, ESU—along with the majority of higher educational institutions in the country—received pandemic relief funding from the U.S. Department of Education, Coronavirus Aid, Relief, and Economic Security (CARES) Act funding. Enacted March 27, 2020, the CARES Act is the largest economic relief bill in U.S. history, allocating \$2.2 trillion in support to individuals and businesses affected by the Coronavirus pandemic and economic downturn. The amount of aid given to ESU was \$6,785,149. It came swiftly and was greatly appreciated by ESU students and administration who were all struggling to adapt to the “new normal.” The CARES Act funding realized in 2019-20 included:



## Faculty Development and Research (FDR) Internal Grants

FDR FUNDING REQUESTED AND AWARDED BY COLLEGE/DIVISION





# COLLEGE OF Arts and Sciences

## External Grants

<b>Funds Awarded</b>	<b>\$445,810</b>
<b>Funds Requested</b>	<b>\$7,606,328</b>
<b>Proposals Awarded</b>	<b>13</b>
<b>Proposals Submitted</b>	<b>25</b>

## Internal FDR Grants

<b>Funds Awarded</b>	<b>\$20,400</b>
<b>Funds Requested</b>	<b>\$33,795</b>
<b>Proposals Awarded</b>	<b>7</b>
<b>Proposals Submitted</b>	<b>11</b>

### ABDALLA ALDRAS

*Biological Sciences*

#### DNA Extraction and *Borrelia miyamotoi* Detection

**Funding Source:** ESU Foundation

**Amount Awarded:** \$1,000

This grant enabled Dr. Aldras to evaluate and detect *Borrelia* infections in collected samples of wild animals. He purchased DNA Extraction and *Borrelia miyamotoi* detection kits and reagents. These kits were essential for graduate student Sarah E. Schwartz' project titled, Evaluation of white-tailed deer as potential reservoir host for *Borrelia* 8.

### MARGARET BALL

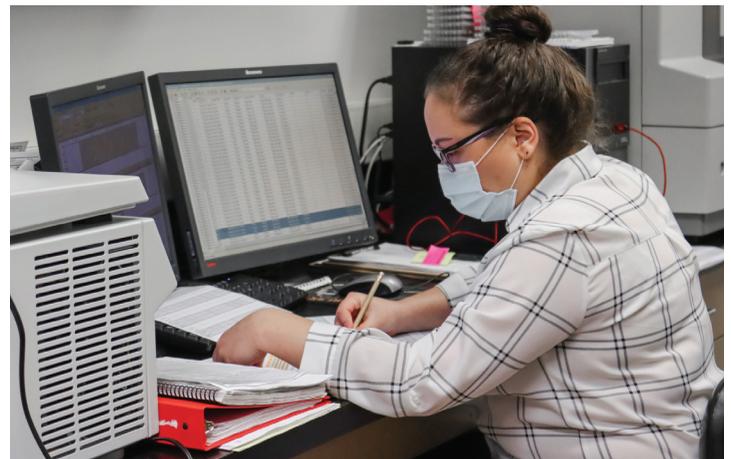
*Theatre*

#### Theatrical Intimacy Choreographer

**Funding Source:** ESU Foundation

**Amount Awarded:** \$1,000

This grant allowed Professor Ball to bring a "Theatrical Intimacy Choreographer" to campus to give a workshop and choreograph intimate scenes in the Theatre Department's production of the musical *Spring Awakening*. The grant covered the fee for the workshop which was offered to approximately 25 theatre majors. It covered the staging of the key intimate scenes in the show.



Samantha Marin reading black bear genetic profiles for the Wisconsin Black Bear Project.

### NICOLE CHINNICI

*Dr. Jane Huffman Wildlife Genetics Institute*

#### Wisconsin Bobcat Parentage Analysis

**Funding Source:** Wisconsin Department of Natural Resources

**Amount Awarded:** \$3,720

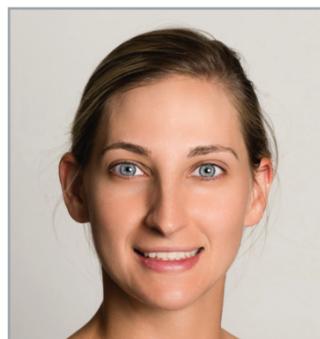
Bobcat samples from Wisconsin were submitted to the Dr. Jane Huffman Wildlife Genetics Institute for genetic analysis. Genotypic profiles and gender for each sample were determined. Parentage analysis was evaluated treating all juveniles and kittens as potential offspring, adult females as potential mothers, and adult males as potential fathers. The genetics analysis program Cervus was used to assign LOD (logarithm of the odds) scores to potential parents.



ABDALLA ALDRAS



MARGARET BALL



NICOLE CHINNICI



DARLENE FARRIS-LABAR



LAURA KIESELBACH



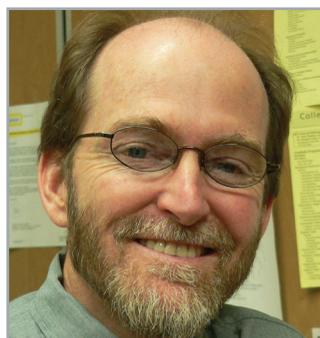
DAVID MAZURE



ANNIE MENDOZA



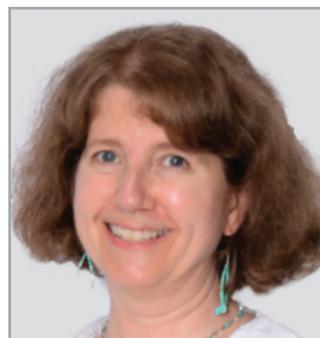
JONI OYE-BENINTENDE



JEFFREY RUTH



MATTHEW WALLACE



JENNIFER WHITE



PAUL WILSON

*Special Thanks: The Office of Sponsored Projects and Research would like to thank Dr. Laura Kieselbach for her insight and commitment of time to providing guidance during the creation of this year's booklet. She helped guide the overall concept, as well as its content pieces. We are very grateful for her help.*

*Photos of PIs and Co-PIs are located in their respective college or division, even when their grant is reported elsewhere.*



### Wisconsin Black Bear Analysis

**Funding Source:** Wisconsin Department of Natural Resources

**Amount Awarded:** \$350,000

Hair samples were collected from hair snares by the Wisconsin Department of Natural Resources and submitted to the Dr. Jane Huffman Wildlife Genetics Institute. Genotypic profiles and gender were determined for each hair sample. Using a microsatellite checker, each contracture genotypic sample was compared to determine number of recaptures.

### Pike County Tick Project Phase 2

**Funding Source:** PA Pike County Commissioners

**Amount Awarded:** \$13,590

A total of 1,000 blacklegged ticks were collected from 10 collection zones throughout Pike County, PA. Each tick was tested for seven tick-borne diseases, which included Lyme disease, Anaplasmosis, Babesiosis and Powassan virus. Evaluation of tick-borne diseases were compared by year, life stage, canopy coverage, and collection grid.

### DAVID MAZURE

*Art + Design*

#### Inclusion Poster Project 2019

**Funding Source:** ESU Foundation

**Amount Awarded:** \$797

To align with several of ESU's Strategic Plan initiatives and goals, in Fall 2019, Professor David Mazure's ART 220: Graphic Design 1 students and Dr. Storm Heter's PHIL 435: Human Rights & Freedom students collaborated to create 30 distinct posters focusing on each student's personal relationship to the theme of inclusion. These posters were displayed around campus for approximately a month. This was a follow-up to the widely successful first Inclusion Poster Project of 2017.



*Listen to Others; One poster that was displayed on ESU's campus  
Artist: Art + Design student, Chloe Campas*

### ANNIE MENDOZA

*Modern Languages, Philosophy, and Religion*

#### Latino Film Club Festival

**Funding Source:** Pragda

**Amount Awarded:** \$1,500 [equivalent purchase discount]

The Latino Heritage Month Film Festival, which is hosted annually at ESU, brings contemporary Spanish, Latin American, and U.S. Latino cinema to ESU. The festival introduces students to the language and cultures of these communities with films that helped raise awareness of Hispanic communities abroad as well as here in



*PA Tick Research Lab Team - Destiny Sample, Sarah Schwartz, Nicole Chinnici, Samantha Marin, Jamie DelCane, Elizabeth Barcellona*



Students from Dr. Annie Mendoza's Fall 2019 course, *La cultura a través del cine*, pose with the official poster of the 2019 Latino Heritage Month Film Festival

the U.S. This effort continues to develop the ties that ESU has with the surrounding geographic regions, and in particular, the growing Latino communities of ESU, the Poconos, and other nearby areas. The festival appealed to current as well as prospective students.

**JONI OYE-BENINTENDE**

Art + Design

**CO-PI: DARLENE FARRIS-LABAR,**

Art + Design

**12 Shouts to the Ten Forgotten Heavens**

**Funding Source:** ESU Foundation; PA Council on the Arts/Pocono Arts Council

**Amount Awarded:** \$1,000; \$1,572

In line with its mission to educate by bringing cutting edge art to the Madelon Powers Art Gallery, the Art + Design and Theatre departments hosted world class performance artist Sibyl Kempson, American playwright, director and performer who performed *12 Shouts to the Ten Forgotten Heavens* to ESU in February 2020. *12 Shouts to the Ten Forgotten Heavens* is a three-year, iterative performance project that debuted at the Whitney Museum in March 2016 and concluded in December 2018. Presented on each solstice and equinox for three years, the 12 performances created a new ceremonial calendar and a contemporary mythology borne of Ms. Kempson's deep research in history, mythology, art history and ritual, as well as the natural world. Ms. Kempson's performance and presence exposed students and the community to the production of performance art, a collaborative hybrid of visual multiple media art, and theatrical performance.



Marcia G. Welsh, Ph.D., former president of ESU, and Dr. Jo Bruno, provost, were invited to perform at the interactive reception with the artist and students. They were good sports and carried their parts well!

Sibyl Kempson performs at ESU.

photo credit: Susie Forrester

**JEFFREY RUTH***Modern Languages, Philosophy and Religion***Workshop: Reinforcing Latina/o Language Achievement****Funding Source:** ESU Foundation**Amount Awarded:** \$1,000

The 10th Annual Language Educators Workshop took place in October 2019 and focused on Spanish Heritage Language Learners. K-16 instructors gained curricular insights and pedagogical skills to improve language instruction and achievement among Latina/o learners at ESU and in the ESU larger community. ESU and ESU-area language educators deepened insights into Spanish language and Latina/o culture to improve their skillset for fostering language achievement among this underserved student demographic both at ESU and at its local feeder schools.

**MATTHEW WALLACE***Biological Sciences***Field Studies on the Spotted Lanternfly in Pennsylvania****Funding Source:** USDA (U.S. Department of Agriculture), APHIS (Animal and Plant Health Inspection Service)**Amount Awarded:** \$60,902

Professor Wallace received his third grant in a row for important work on the high priority, invasive species for the region, the Spotted Lanternfly. The primary purpose of this ongoing project is to support field and laboratory research at the Otis Laboratory (USDA

APHIS) on the invasive Spotted Lanternfly's ecology, chemical ecology, biology, and monitoring and detection tools by carrying out field work and studies in eastern Pennsylvania. Techniques included tracking adult insects using telemetry data from tiny nanotags. Data gathered and analyzed included experiments to find useful pheromone attractants which could be beneficial for insect traps.

**JENNIFER WHITE***Biological Sciences***Histology Microanatomy Models****Funding Source:** ESU Foundation**Amount Awarded:** \$820

Dr. White purchased three large microanatomy models representing important structures (intestine, neuron, muscle) to help demonstrate to students how microstructure correlates with gross structure; large, detailed models enhance comprehension of structure and function. The funding allowed her to add these study aids to her teaching collection. Large 3D models greatly increase understanding across structural levels, a main learning objective in each of her courses.

**PAUL WILSON***Biological Sciences***Blakeslee Farm Water Quality Monitoring Subaward****Funding Source:** The Nature Conservancy (TNC) - National Fish and Wildlife Foundation (NFWF)**Amount Awarded:** \$10,409

This grant focuses on protecting and restoring Cherry Creek and the surrounding lands of the Cherry Valley National Wildlife Refuge (NWR). The Cherry Creek Watershed Collaborative (the Collaborative) is a multi-disciplinary and inter-agency organization comprised of non-profit, local, state, federal government representatives, and public volunteers that began as a working group focused on completing restoration work at the former Cherry Valley Golf Course, now part of the Cherry Valley NWR. As part of this effort, this project focused on advancing restoration and monitoring at TNC's Blakeslee Farm, located visibly and strategically near the center of Cherry Valley. This project reduced streambank erosion, restored stream function, improved river condition and water quality, while also enhancing wildlife habitats.



photo credit: Miriam Cooperband

*Spotted Lanternfly with attached nanotag.*

## EXTERNAL GRANT SUBMISSIONS

**NICOLE CHINNICI**, *Dr. Jane Huffman Wildlife Genetics Institute*

WARREN COUNTY NJ TICK PROJECT

Funding Source: NJ Mosquito Commission

Amount Requested: \$96,000 pending

**MD MINHAZ CHOWDHURY**, *Computer Science*

DEPARTMENT OF DEFENSE CYBER SCHOLARSHIP PROGRAM

**CO-PI: CHRISTINE HOFMEISTER**

Funding Source: United States Department of Defense - National Security Agency

Amount Requested: \$404,745 pending

**DARLENE FARRIS-LABAR**, *Art + Design*

3D PRINTER FOR COVID-19 EFFORTS

**CO-PIS: XUE DONG, JONI OYE-BENINTENDE**, *Art + Design*

Funding Source: Booz Allen Foundation

Amount Requested: \$100,000 not funded

**BONNIE GREEN**, *Psychology*

EHR CORE RESEARCH PROGRAM

Funding Source: National Science Foundation

Amount Requested: \$497,671 pending

**MICHELLE JONES-WILSON**, *Chemistry and Biochemistry*

S-STEM

**CO-PIS: OLIVIA CARDUCCI**, *Mathematics*;

**BONNIE GREEN**, *Psychology*

Funding Source: National Science Foundation

Amount Requested: \$5,000,000 pending

**JONATHAN KEITER**, *Mathematics*

SEEDING SITE GRANT PROGRAM/ DEVELOPING AND IMPLEMENTING CO-REQUISITE LEARNING SUPPORT FOR MATHEMATICS

Funding Source: Education Commission of the States - Strong Start to Finish - Pennsylvania's State System of Higher Education (PASSHE)

Amount Requested: \$17,254 pending

**TOM LADUKE**, *Biological Sciences*

EFFECTS OF FIRE-BASED MANAGEMENT ACTIVITIES ON AMPHIBIANS AND REPTILES IN PA'S STATE GAME LANDS

**CO-PI: EMILY ROLLINSON**, *Biological Sciences*

Funding Source: U.S. Fish and Wildlife Service -

PA Fish and Boat Commission

Amount Requested: \$741,896 pending

**DOUG LARE**, *Professional and Secondary Education*

KATE CHOPIN, WOMEN AND LITERATURE IN THE U.S.

Funding Source: National Endowment for the Humanities

Amount Requested: \$134,174 pending

**CARRIE MALONEY**, *Sociology, Social Work and Criminal Justice*

CONTROL VIOLENCE AND AGGRESSION

**CO-PIS: DARLA DARNÓ**, *Criminal Justice*;

**JEFF ROSKY**, *Criminal Justice*

Funding Source: H.F. Guggenheim Foundation

Amount Requested: \$39,026 pending

**JONI OYE-BENINTENDE**, *Art + Design*

PENNSYLVANIA PROJECT IN THE ARTS: PROGRAM STREAM

**CO-PI: DARLENE FARRIS-LABAR**, *Art + Design*

Funding Source: PA Council on the Arts - Pocono Arts Council

Amount Requested: \$2,500 pending

**PAUL SCHEMBARI**, *Mathematics*

IMPROVING UNDERGRADUATE STEM EDUCATION (IUUSE)

Funding Source: National Science Foundation - RAND Corporation - Pennsylvania's State System of Higher Education (PASSHE)

Amount Requested: \$9,996 pending

**XUEMAO ZHANG**, *Mathematics*

ESU DATA VISUALIZATION SUMMER INSTITUTE

Funding Source: Robert F. Schumann Foundation

Amount Requested: \$15,109 pending

**XUEMAO ZHANG**, *Mathematics*

ESU DATA VISUALIZATION SUMMER INSTITUTE

Funding Source: National Science Foundation

Amount Requested: \$73,131 pending

## INTERNAL GRANTS

## FDR MINI GRANTS

**XUE DONG**, *Art + Design*

**Attractiveness Analysis in Product Design by Using Eye-Tracking Technology**

**Amount Awarded:** \$1,200

**EUGENE GALPERIN**, *Mathematics*

**Attending the 2020 MAA MathFest**

**Amount Awarded:** \$1,200

**JONI OYE-BENINTENDE**, *Art + Design*

**Women Working in Clay Symposium**

**Amount Awarded:** \$927

**EMILY ROLLINSON**, *Biological Sciences*

**Workshop travel support and research supplies for course-based research in the Ecological Research as Education Network**

**Amount Awarded:** \$1,199

**XUEMAO ZHANG**, *Mathematics*

**ESU 2020 Data Visualization Summer Institute**

**Amount Awarded:** \$732

## FDR MAJOR GRANTS

**DARLENE FARRIS-LABAR**, *Art + Design*

**When the Amazon Rain Forest Blooms**

**Amount Awarded:** \$5,330

Darlene Farris-LaBar was invited to participate in LabVerde, an art immersion program in the Amazon rainforest. This highly competitive program strengthens the limits of art through a broad array of experiences, knowledge sets, and cultural perspectives involving art, science, and nature. Funding support will help foster her artistic creation through research about environmental issues generated by both theory and life experience in the Amazon rainforest. Farris-LaBar will be collecting photographic references, 3D scanning Amazon flower specimens, sketching botanical illustrations and attending ecology seminars. Farris-LaBar will be involved in workshops on landscape and environmental representation, climate change, visiting forest zones impacted by fires, wild edible plants, entomology, botany, and natural history of organisms. All of this will serve as inspiration that will later be used to create new work that will inspire and educate university students and the general public about nature and environmental stewardship.

**CHRISTOPHER KAVANAU**, *Biological Sciences*

**Visualizing Color Signals in the Brain**

**Amount Awarded:** \$9,812

For his doctoral thesis in 2010 at The Mount Sinai School of Medicine, Dr. Christopher Kavanau was able to successfully extract color signals from the brains of Macaque monkeys. With this grant, Dr. Kavanau, using a novel self-organizing artificial neural network, proposes to accurately predict the stimulus color given to a test subject from brain activity alone and project this color on a monitor and simulate brain activity for any stimulus color. This research may have significant implications for externally displaying colors in the "mind's eye," from brain activity alone, and for developing new medical technologies to help many of the blind see again through artificial brain stimulation.

## OUT OF THE BOX

**AMIRAH EL AND REANNON ZANGAKIS**

*Undergraduate Students*

*Computer Science and Security*

*Biology*

**Parking Shark**

*CO-PI: Hunter Barabas, Computer Science and Security Undergraduate*

*CO-PI: Sean Crowley, Computer Science and Mathematics Undergraduate*

This ESU student-run project aimed to create a phone app to reduce the frustration of trying to find a parking spot at ESU. The team proposed to create a phone application that displays the number of parking spots available in a parking lot along with the corresponding location. The application software proposed to use image recognition and supervised machine learning. Not only would this application reduce time to find a parking spot, but would also reduce congestion in the parking lots. The success rate based on industry standards for high-end expensive systems is 94% success rate. The team's goal was to achieve a 90% success rate.



*Parking Shark app icon.*

**DAVID MAZURE**, *Art + Design*

**Creating an Innovative Environment to Foster Entrepreneurial Thinking for the Warrior Launch Pad and New Mind Design**

*CO-PIS: Jamie Kizer, Entrepreneurship;*

*Keith Modzelewski, Entrepreneurship*

**Amount Awarded:** \$2,500

The objective of this project was to promote entrepreneurship among students, faculty and staff through a collaborative project



*Dr. Nancy VanArsdale, one of three ESU faculty who received an Out of the Box grant related to beer entrepreneurship, introduced the keynote speaker in the Innovation Center.*



*Three local breweries, Barley Creek, Shawnee, and Mountain View offered audience members (21 and older) the chance to learn about the history of their businesses. They also served tasting samples of their unique beers after the lecture.*

with the Art + Design Department, New Mind Design (a student-operated design agency), and the Warrior Launch Pad (WLP), a new student business incubator program. The goal and final product was the creation of large-scale, interior vinyl wall and door graphics for the Warrior Launch Pad located in Room #154 of the ESU Innovation Center.

**NANCY VANARSDALE, *English***

**ESU Innovates and Educates with Craft Beer Entrepreneurs**

*CO-PIS: Andrea McClanahan, Communication; Li-Ming Chiang, Hotel, Restaurant, Tourism Management*

**Amount Awarded: \$2,500**

This project stimulated conversation and education about the craft beer revolution taking place in America. The culminating seminar focused on a collaboration between faculty and students in Hotel Restaurant, Tourism Management (HRTM), Communication, English, regional beer entrepreneurs, and a craft beer faculty expert from Shippensburg University. The seminar featured a keynote faculty expert on craft beer in Pennsylvania who obtained a \$70,000 grant from the Pennsylvania Liquor Control Board to enhance beer education in



*Artwork by Art + Design, Graphic Design major, Laura Sarria '20. Artwork installed by Jeff Kicska (Art + Design alumnus) in #154 of the Innovation Center*

the Commonwealth. Other seminar speakers included regional craft beer entrepreneurs who told their business and creative stories of brewing up businesses. A pop-up tasting room experience for students, beer entrepreneurs and faculty 21 and over further enhanced the educational experience.

STAYING THE COURSE



# COLLEGE OF Business and Management



STANLEY LI-MING CHIANG



JASON ENGERMAN



RICHARD OTTO

## STANLEY LI-MING CHIANG

*Hospitality, Recreation, and Tourism Management*

### Fulbright Scholar-in-Residence Program

**Funding Source:** U.S. Dept. of State, Bureau of Educational & Cultural Affairs

**Amount Awarded:** \$35,000 [equivalent aid to Fulbright Scholar]

Through the Fulbright Scholar-in-Residence Program, U.S. colleges and universities host scholars from other countries to assist in internationalizing U.S. campuses, institutional curriculum and host communities. Fulbright Scholars primarily



teach at the undergraduate level in their areas of expertise and provide cross-cultural or international perspective to promote curriculum, program development and international activities. The ESU Fulbright Scholar in the department of Hospitality, Recreation, and Tourism Management will teach courses in Travel and Tourism Management including, Tourism HRTM 335 (Perspectives of International Tourism) and Event Planning HRTM 436 (Meeting and

## External Grants

<b>Funds Awarded</b>	<b>\$763</b>
<b>Funds Requested</b>	<b>\$50,892</b>
<b>Proposals Awarded</b>	<b>2</b>
<b>Proposals Submitted</b>	<b>3</b>

## Internal FDR Grants

<b>Funds Awarded</b>	<b>\$13,591</b>
<b>Funds Requested</b>	<b>\$22,513</b>
<b>Proposals Awarded</b>	<b>4</b>
<b>Proposals Submitted</b>	<b>7</b>

*Photos of PIs and Co-PIs are located in their respective college or division, even when their grant is reported elsewhere.*

Convention Planning and Management). The exposure of ESU students to an international scholar will provide valuable insights to new perspectives and critical issues occurring in the international realm. The development of new international tourism destinations, understanding tourism satellite account, tourism receipt and understanding the tourism product market are all important topics for our students to acquire when pursuing tourism careers at the international level. \*This project is on hold due to COVID-19. The scholar will only come to ESU in fall 2021.

**JASON ENGERMAN**

*Digital Media Technologies*

**Esports U: Creative Media Factory Suite**

**Funding Source:** ESU Foundation

**Amount Awarded:** \$763

This grant supported students who operate the student-inspired digital Esports platform, the Creative Media Factory Suite, which connects STEM careers in Esports to young entrepreneurs. One graduate and two undergraduate students build digital content, internally broadcast, and stream regularly with Esports industry professionals.



**EXTERNAL GRANT SUBMISSIONS**

**JASON ENGERMAN**, *Digital Media Technologies*

REU SUPPLEMENTAL SUPPORT #2 ITEST

**CO-PI: RICHARD OTTO**, *Digital Media Technologies*

**Funding Source:** National Science Foundation

**Amount Requested:** \$50,129 pending

**INTERNAL GRANTS**

**FDR MINI GRANTS**

**YI-HUI HUANG**, *Digital Media Technologies*

**Research and Teaching Activities in Taiwan During Sabbatical Leave**

**Amount Awarded:** \$1200

**MINKYO LEE**, *Sport Management*

**Flow and Emotional Experiences of Mediated Sports through VR Technology**

**Amount Awarded:** \$1,200

**RICHARD OTTO**, *Digital Media Technologies*

**Training and Mission Critical Information Gathering at NAB NYC 2019**

**Amount Awarded:** \$1,200

**FDR MAJOR GRANTS**

**XIAOCHEN ZHOU**, *Sport Management*

**It's More About Winning: Investigating Sport Team Leadership Diversity from a Marketing Perspective**

**Amount Awarded:** \$9,991

The purpose of this research project was to examine sport team leadership diversity from a marketing perspective by investigating how the racial and cultural background of sport business leaders, such as team owners and managers, are processed and perceived by sport fans. Overall, this research provided theoretical contributions to leadership from a consumer behavior perspective, as well as practical implications on how sport teams management should approach diversity and proactively communicate to sport fans in order to connect with fans from diverse backgrounds.

# COLLEGE OF Education

STAYING THE COURSE



JANINE HYDE-BRODERICK



MARYANNE KASH



LAUREEN NELSON



BETH SOCKMAN

## External Grants

<b>Funds Awarded</b>	<b>\$1,242,591</b>
<b>Funds Requested</b>	<b>\$</b>
<b>Proposals Awarded</b>	<b>3</b>
<b>Proposals Submitted</b>	<b>6</b>

## Internal FDR Grants

<b>Funds Awarded</b>	<b>\$1,200</b>
<b>Funds Requested</b>	<b>\$1,200</b>
<b>Proposals Awarded</b>	<b>1</b>
<b>Proposals Submitted</b>	<b>1</b>

*Photos of PIs and Co-PIs are located in their respective college or division, even when their grant is reported elsewhere.*



Members of the Upward Bound Junior Class.

Front row, L-R: Leah Moll, Natalie Santiago, Afzaa Reece, Nicole Moore, Jaclyn Graham, Lila Monahos

Second row, L-R: Sorangel Acosta, Kiel Birthwright, Enayah Smith, David Rodriguez, James Cortes, Morrigan Lobel, Jake Manders

## JANINE HYDE-BRODERICK

*Upward Bound*

### CO-PI: MARYANNE KASH

*Upward Bound*

#### Upward Bound

**Funding Source:** U.S. Department of Education

**Amount Awarded:** \$478,462

The Upward Bound Program (UB) is a critical component of the U.S. Department of Education's efforts to improve college access and completion for students who have been traditionally underrepresented in postsecondary education by focusing on improving college readiness. Since 1974, UB has been advancing the idea of equal opportunity in post-secondary education. ESU believes that students from all segments of the population should have an opportunity to achieve academic excellence at the high school and college levels. The mission of ESU's Upward Bound program is to promote intellectual curiosity and academic excellence, to acquire the ability to engage, make prudent choices, and develop the technical skills necessary to succeed in their secondary and post-secondary education. To fulfill this mission, the federal grant enabled the UB faculty and staff to provide academic instruction in subject areas supportive of the high school curriculum, group counseling, cultural programs, and career guidance. Students are exposed to people, places, and events that deepened their dreams and broadened their life vision while they learned how to identify, establish, and achieve goals discovered on their journey.

## LAURA KIESELBACH AND BETH SOCKMAN

*English; Professional & Secondary Education*

### Pocono Writing Project - Empowering Teaching Naturally

**Funding Source:** National Park Service - National Writing Project

**Amount Awarded:** \$3,500

The ESU Pocono Writing Project partnered with the Delaware Water Gap National Recreation Area (DWGNRA) and a design team made of local teachers and businesses to empower teachers by gaining skills that they can transfer to their students through the writing process and appreciation of nature, specifically at DWGNRA. The community of educators, ESU professors, DWGNRA personnel, and two local businesses used the instructional design process to create online modules with experiential learning and process writing that honored the cultural perspective of all participants through mindful awareness of our local ecosystem. The modules were implemented with a larger group of local teachers, and upon completion, teachers earned ACT 48 hours.

## LAUREEN NELSON

*Early Childhood & Elementary Education*

### Early Childhood Education Professional Development Organization

**Funding Source:** U.S. Department of Health and Human Services - PA Department of Human Services - The Office of Child Development and Early Learning (OCDEL) - Pennsylvania State System for Higher Education

**Amount Awarded:** \$523,119; \$237,510

East Stroudsburg University partnered with Shippensburg University, Edinboro University, and Lock Haven University to create

an Early Care and Education (ECE) Professional Development Organization (PDO) that delivered a comprehensive, aligned, and clearly articulated systematic pathway of credentialing for the early childhood workforce with affordable credit bearing opportunities towards certification in the field of early childhood across the Commonwealth. This professional development is implemented through a systematic structure of stackable, portable credentials that reflect developmentally and culturally appropriate content that supports the work of early childhood educators as they work to advance their career and educational progression. ESU is leading this effort in the Northeast PA region.

## EXTERNAL GRANT SUBMISSIONS

**GINA SCALA**, *Special Education & Rehabilitation*

PaTTAN PATHWAYS TO GRADUATION (P2G) IHE PARTNERSHIPS

Funding Source: PaTTAN (PA Training and Technical Assistance Network); an arm of the PA Dept. of Ed  
Amount Requested: \$8,000 pending

**GINA SCALA**, *Special Education & Rehabilitation*

HIGHER EDUCATION SUICIDE PREVENTION COALITION (HESPC)

Funding Source: PA Department of Education  
Amount Requested: \$750 pending

## INTERNAL GRANTS

### FDR MINI GRANTS

**KELLY MCKENZIE**, *Academic Enrichment & Learning*

**Incorporating Learning Theories into Peer-Led Learning Environments**

**Amount Awarded:** \$1,200

### OUT OF THE BOX

**KELLY MCKENZIE**, *Academic Enrichment & Learning*

**The Mindset Project Phase 1**

*CO-PI: Margaret Ball, Theatre*

**Amount Awarded:** \$2,500

**The Mindset Project Phase 2**

*CO-PI: Kevin Casebolt, Physical Education Teacher Certification*

**Amount Awarded:** \$2,500

To integrate the principles of entrepreneurship across the campus, two project directors vetted and selected four faculty coordinators who teach First Year Experience (FYE) classes to work together as a team in four phases. In phase 1, the team attended approximately four hours of training related to entrepreneurship and entrepreneurship mindset from the Director of Entrepreneurship at ESU, Keith Modzelewski. During this phase, the team developed a mindset model and assessment. In phase 2, the team finalized the mindset model assessment tool and developed an assignment and rubric for the mindset assignment.



# COLLEGE OF Health Sciences

STAYING THE COURSE



## External Grants

<b>Funds Awarded</b>	<b>\$39,081</b>
<b>Funds Requested</b>	<b>\$51,281</b>
<b>Proposals Awarded</b>	<b>4</b>
<b>Proposals Submitted</b>	<b>5</b>

## Internal FDR Grants

<b>Funds Awarded</b>	<b>\$0</b>
<b>Funds Requested</b>	<b>\$0</b>
<b>Proposals Awarded</b>	<b>0</b>
<b>Proposals Submitted</b>	<b>0</b>



CLARE LENHART



MIHYE JEONG



ELAINE RODRIQUEZ



DENISE SEIGART



KRISTINA ZWOLENIK

*Photos of PIs and Co-PIs are located in their respective college or division, even when their grant is reported elsewhere.*

**MIHYE JEONG***Physical Education, Teacher Education***This Ability Sports through Disability Sports****Funding Source:** ESU Foundation**Amount Awarded:** \$1,000

This grant supported the purchase of baseball equipment to provide varied opportunities for students and faculty research and involvement in public service (ESU mission). The goal was to increase disability awareness in ESU students through disability sports and to increase future physical educators' confidence in teaching students with disabilities.

**CLARE LENHART***Health Studies – Institute of Public Health Research and Innovation***Asthma 1404 Final Phase / Pennsylvania Asthma Control Evaluation****CO-PI: KRISTINA ZWOLENIK****Funding Source:** Centers for Disease Control (CDC) - PA Department of Health**Amount Awarded:** \$15,481

A comprehensive summary evaluation of the five-year Pennsylvania Department of Health/CDC collaboration for the Community Asthma Prevention Program was completed with emphasis on the clinical partnerships made through the quality improvement initiative. The CDC's National Asthma Control Program was created in 1999 to help millions of people with asthma in the United States to gain control over their disease. The program's goals included reducing the number of deaths, hospitalizations, emergency department visits, school days or work days missed, and limitations on activity due to asthma.

**ELAINE RODRIGUEZ***Health Studies***2020 Guatemala Service Learning Program****Funding Source:** ESU Foundation**Amount Awarded:** \$1,000

The ESU Foundation grant was used to defray the cost of lodging, ground transportation, handbooks, and materials for a research trip abroad to Antigua, Guatemala. The purpose of the research was to gain a better understanding of gaps in health services from the perspective of patients, patient family members, and health professionals at Obras Sociales del Santo Hermano Pedro Hospital. The goal was for the hospital to use this information to improve healthcare services for the community they serve. In the process, graduate research students

also developed skills commensurate with their level of experience and education.

**KRISTINA ZWOLENIK***Health Studies – Institute of Public Health Research and Innovation***Asthma Health Needs Assessments****Funding Source:** Centers for Disease Control (CDC) - The Asthma and Allergy Foundation of America (AAFA)**Amount Awarded:** \$21,600

AAFA is a not-for-profit organization that is dedicated to improving the quality of life for people with asthma and allergic diseases through education, advocacy, and research. Kristina Zwolenik worked to develop and administer two separate needs assessments to identify potential barriers to including asthma patients and family members in research, as well as ways to overcome those potential barriers. One assessment captured the perspective of patients and family members. The second assessment captured the perspective of researchers. The University's IPHRI served as the lead evaluator for the Centers for Disease Control (CDC) AAFA project.

**EXTERNAL GRANT SUBMISSIONS****RACHEL COLON-WOLF**, *Communication Sciences and Disorders*

AUTISM COLLABORATIVE CENTERS OF EXCELLENCE (ACCE) Expanded Programming for Parents and Caregivers

Funding Source: All One Foundation - University of Scranton

Amount Requested: \$12,200 pending



Group photo of health studies students in Guatemala. Left-to-right, back row: Michelle Tatosian, Daniel Massaro, Erin Schlipf, Kerri L. Crossnohere. Middle row: Haley A. Bergstrom, Jordan M. Ludzieski, Maggie L. Connelly, Danielle Douglass, Bobbi Douglass. Front row: Victor Rodriguez, Elaine Rodriguez.



# University Divisions and Affiliates

**Academic Affairs**

**Administration & Finance**

**Athletics**

**Campus Life and Inclusive Excellence**

**Economic Development and Entrepreneurship**

**Enrollment Management**

**ESU Foundation and Office of University Advancement**

**Kemp Library**



LIANNA DESANTIS



CATHERINE KLINGLER



CHRISTINA MCDONALD



KEITH MODZELEWSKI



MARY FRANCES POSTUPACK



RICHARD SANTORO



LAURA SUITS



DARIA WIELEBINSKI

*Photos of PIs and Co-PIs are located in their respective college or division, even when their grant is reported elsewhere.*

## External Grants

<b>Funds Awarded</b>	<b>\$1,442,918</b>
<b>Funds Requested</b>	<b>\$2,291,596</b>
<b>Proposals Awarded</b>	<b>13</b>
<b>Proposals Submitted</b>	<b>19</b>

## Internal FDR Grants

<b>Funds Awarded</b>	<b>\$2,400</b>
<b>Funds Requested</b>	<b>\$3,281</b>
<b>Proposals Awarded</b>	<b>2</b>
<b>Proposals Submitted</b>	<b>3</b>

### ESU FOUNDATION

#### Community Health Education and Simulation Center

**CO-APPLICANT: DENISE SEIGART**

*College of Health Sciences*

**Funding Source:** Local Share Account Monroe County

**Amount Awarded:** \$206,647

This grant supported the purchase of high-tech simulation manikins in the in-progress Community Health Education & Simulation Center to advance healthcare professionals' abilities to perform complex medical procedures and life-saving techniques. The Center will offer simulation training for nursing, athletic training, and other health science students, regional healthcare professionals, and community members. This environment will complement traditional academic offerings.

#### Community Health Education and Simulation Center

**CO-APPLICANT: DENISE SEIGART**

*College of Health Sciences*

**Funding Source:** The Lester G. Abeloff Foundation

**Amount Awarded:** \$1,000

This grant will support the creation of the Community Health Education & Simulation Center to advance healthcare professionals' abilities to perform complex medical procedures and life-saving techniques. The center will offer simulation training for nursing, athletic training, and other health science students, regional healthcare professionals, and community members. This environment will complement traditional academic offerings.

#### Esports Laboratory

**CO-APPLICANT: JASON ENGERMAN**

*Digital Media Technologies*

**CO-APPLICANT: RICHARD OTTO**

*Digital Media Technologies*

**Funding Source:** Local Share Account Monroe County

**Amount Awarded:** \$198,085

The ESU Foundation has raised \$198,085 to purchase equipment and construct ESU's emerging electronic sports (Esports) program.

The Esports lab will create an innovative game-based learning environment that develops new models of learning, specifically in emerging digital media technology fields where science, technology, engineering, and mathematics (STEM) principles can be shared.

When complete, the campaign will enable ESU to purchase state-of-the-art computers, software, gaming furniture and equipment for the lab space that will be located on the first floor of Rosenkrans East.

#### William T. Morris Foundation Scholarship

**Funding Source:** William T. Morris Foundation

**Amount Awarded:** \$5,000

The grant supported five scholarships of \$1,000 each for incoming ESU freshmen.

#### Pennsylvania Tick Research Lab at ESU

**CO-APPLICANT: NICOLE CHINNICI**

*Dr. Jane Huffman Wildlife Genetics Institute*

**Funding Source:** Pennsylvania Department of Health and Human Services

**Amount Awarded:** \$500,000

As a result of this important grant, the Pennsylvania Tick Research Lab at ESU provided free tick testing to all Pennsylvania residents. Tests included Lyme disease and three additional tests based on the species of tick submitted. Results of the tests are provided to residents and include important information on risk/exposure to tick-borne diseases. Funding has also supported the development of a data analytic website that provides infection rates across the Commonwealth, areas with high tick density, and demographics associated with the tick bite. This data established a baseline for the prevalence of ticks and tick-borne diseases in Pennsylvania. Since 2011, the Commonwealth has been the nation's leader in annual confirmed cases of Lyme disease.



*Bobcat hair analysis in the DNA Lab.*

**CATHERINE KLINGER***Economic Development & Entrepreneurship / Schisler Museum and McMunn Planetarium***Monroe County Hotel Tax Grant****Funding Source:** County of Monroe Aid Allocation**Amount Awarded:** \$7,000

The Schisler Museum and McMunn Planetarium (SMMP) sought to draw more visitors to Monroe County through targeted marketing to the middle school/high school segment of the motor coach/affinity group travel market, in addition to continued outreach to SMMP's existing visitor base from the general tourism market. Partnerships and programming with regional science and nature centers including Pocono Environmental Education Center (PEEC), Monroe County Conservation District, and Brodheads ville Watershed Association are broadening public outreach and increasing visibility among regional visitors, especially in eco-tourism and K-12 education. A County Aid Allocation allowed SMMP to expand into the student/youth tourism market through various channels. The Allocation enabled expansion of existing SMMP marketing to the general tourism industry.

**CHRISTINA MCDONALD***Academic Affairs / Office of Sponsored Projects and Research***FPDC Grant Writing Workshop with Jeremy Miner****Funding Source:** Pennsylvania's State System of Higher Education**Amount Awarded:** \$1,800

The Faculty Professional Development Council (FPDC) has hosted grant writing training for faculty across PASSHE each May over the past three years. The prior years' workshops were limited to three or four faculty from each institution to attend. In May 2020, due to the COVID-19 pandemic, the workshop was offered as a webinar with presenter from the University of Wisconsin at Eau-Claire, Jeremy Miner. The webinar was divided into five sessions and participants had the option to register for each session. There were 383 total registrants.

**KEITH MODZELEWSKI***Economic Development & Entrepreneurship / Business Accelerator***Ben Franklin Small Business Incubator Project****Funding Source:** Pennsylvania Department of Community & Economic Development (DCED) - Ben Franklin Technology Partners**Amount Awarded:** \$5,000

The Ben Franklin Technology Partners (BFTP) is funded by the PA DCED. The BFTP has served as a catalyst for economic growth in Pennsylvania by providing access to capital, business expertise and a network of resources that foster innovation, growth and success for both startup companies and established businesses. BFTP provides ongoing funding to partners for continued success. The funds supported marketing efforts to recruit new companies to the entrepreneurial programs at ESU including the Business Accelerator, Coworking Space, and Warrior Launch Pad (a student incubator).

**MARY FRANCES POSTUPACK***Economic Development & Entrepreneurship***Census 2020****Funding Source:** Pennsylvania Department of Community & Economic Development (DCED)**Amount Awarded:** \$20,000

The Monroe County Census 2020 Collaborative, an informal group of Monroe County organizations that are influential and well-positioned to reach target populations, teamed together to implement this project. The Collaborative proposed to reduce the percentage of hard to reach, hard to persuade, and vulnerable populations that historically have not responded to the Census in Monroe County and to increase the response rate and resultant funding that follows for Monroe County. The Collaborative primarily focused on comprehensive and extensive media outreach to reach populations as physical interventions were limited due to the COVID-19 pandemic. Through collaboration, the project proposed to cover more ground and reach more undercounted residents.

**LAURA SUITS***Campus Life and Inclusive Excellence / Wellness Education and Prevention***Tobacco-Free Campus Mini Grant****Funding Source:** American Lung Association**Amount Awarded:** \$10,000

The goal of this grant was to reduce the number of students, faculty and staff at East Stroudsburg University of Pennsylvania (ESU) who use tobacco products. This grant seamlessly aligned with ESU's Wellness Education & Prevention mission, whose mission statement is to create a culture in which the pursuit of lifestyle is balanced to encourage individuals to take responsibility for choosing to be well.

**DARIA WIELEBINSKI***Economic Development & Entrepreneurship / Workforce Development***Wednet PA****Funding Source:** Pennsylvania Department of Community & Economic Development (DCED)**Amount Awarded:** \$295,036; \$199,997

The WEDnetPA training program funds are provided through the PA DCED. As a certified partner, ESU is responsible for the needs of Pennsylvania's business community and administers funds to support essential skills and advanced technology training to qualified employers. The training allows companies to stay competitive in a global economy.

## EXTERNAL GRANT SUBMISSIONS

**WILLIAM BAJOR**, *Enrollment Management / Graduate and Extended Studies*

MICHELSON FOUNDATION SPARK GRANT

Funding Source: Michelson 20MM Foundation  
Amount Requested: \$25,000 not funded

**WILLIAM BAJOR**, *Enrollment Management / Graduate and Extended Studies*

ALL LEARNING COUNTS

**CO-PI: THE OFFICE OF THE CHANCELLOR**

Funding Source: Lumina Foundation  
Amount Requested: \$399,098 not funded

**XENI BARAKOS-YODER**, *Athletics*

TARA VANDERVEER FUND

Funding Source: Women's Sport Foundation  
Amount Requested: \$17,500 not funded

**ROBERT D'AVERSA**, *Administration & Finance/ Academic Computing*

RAPID RESPONSE

Funding Source: Campus Consortium  
Amount Requested: \$50,000 pending

**ESU FOUNDATION**

COMMUNITY HEALTH EDUCATION AND SIMULATION CENTER

Funding Source: Mount Airy Foundation  
Amount Requested: \$25,000 pending

PRINCE HALL CAMPAIGN

Funding Source: The R. Dale and Frances M. Hughes Foundation  
Amount Requested: \$44,808 pending

ESPORTS PROGRAM

Funding Source: The R. Dale and Frances M. Hughes Foundation  
Amount Requested: \$305,983 pending

**KEITH MODZELEWSKI**, *Economic Development & Entrepreneurship / Business Accelerator*

VENTUREWELL E-TEAMS PHASE II

**CO-PI: ZACH WALDMAN**

Funding Source: VentureWell  
Amount Requested: \$20,000 not funded

**LAURA SUITS**, *Campus Life and Inclusive Excellence / Wellness Education and Prevention*

IT'S ON US

**CO-PI: LONNIE ALLBAUGH**

Funding Source: Pennsylvania Department of Education  
Amount Requested: \$30,000 pending

**LAURA SUITS**, *Campus Life and Inclusive Excellence / Wellness Education and Prevention*

REDUCING UNDERAGE AND DANGEROUS DRINKING

Funding Source: Pennsylvania Liquor Control Board  
Amount Requested: \$40,000 pending

**JENNIFER YOUNG**, *Campus Life and Inclusive Excellence / Counseling and Psychological Services (CAPS)*

COMPREHENSIVE SUICIDE PREVENTION

Funding Source: Centers for Disease Control and Prevention - Department of Health and Human Services  
Amount Requested: \$501,493 pending

## INTERNAL GRANTS

### FDR MINI GRANTS

**MEGAN SMITH**, *Kemp Library*

**Library Renovation Workshop**

Amount Awarded: \$1,200

**ELIZABETH SCOTT**, *Kemp Library*

**Academic Library Planning and Revitalization Institute Conference**

Amount Awarded: \$1,200

## SPOTLIGHT ON EXTERNAL GRANTS: PASSHE ECE PDO

### *Largest external grant awarded for 2019-20!* **Early Care and Education Professional Development Organization - PASSHE ECE PDO**



**PI: LAUREEN NELSON**

*College of Education,  
 Early Childhood and  
 Elementary Education*

**Funder:** Pennsylvania Office of Child Development and Early Learning (OCDEL) - Shippensburg University

**Grant Amount:** Total \$760,629 (\$523,119 operations and \$237,510 tuition and student support)

**MISSION:** Serve the educational needs of PA's early care and education professionals!



The largest external grant to ESU in 2019-20 was awarded to assistant professor Laureen Nelson as part of a PASSHE consortium to establish a statewide Early Care and Education (ECE) Professional Development Organization (PDO). Dr. Nelson is the Northeast Region Director for the new PASSHE ECE PDO Program. The other three PASSHE universities involved are Shippensburg University, as the lead institution and Southwest Region PDO, Edinboro University -Northwest Region PDO, and Lock Haven University-Central Region PDO.

Many of the youngest Pennsylvanians, pre-K, are nurtured by the early care and education workforce, and this statewide project seeks to nurture their teachers and caregivers. An aligned systematic structure of credentialing and credit-bearing professional development is the missing link for the ECE workforce in PA today. Before the work of Laureen Nelson and her colleagues, these workers could only create a patchwork quilt of hours, workshops, and certificates that, while providing important information, did not lead them up the educational ladder or towards degree completion. The objectives of this two-year grant project are to meet this need in PA with direct scholarship support and quality program development.

The project and grant establish a statewide system of affordable, credit bearing professional preparation and ongoing professional development for all of Pennsylvania's ECE workforce using a clearly articulated systematic pathway of credentialing including affordable credit bearing opportunities such as: Child Development Associate (CDA), Associate of Arts (AA) degree, and Bachelor of Arts (BA) degree.

Dr. Nelson's work on the grant included curriculum/course development, student recruitment, and coordination of all ECE course or certificate offerings at universities and community colleges in the northeast region to funnel scholarship funding to qualifying students.

## Highest number of internal grants awarded for 2019-20!

Professor Jeong won four grants in AY 2019-20 totaling \$6,116 in support. Her efforts allowed undergraduate and graduate students to gain research experience while advancing knowledge in her field.

Here is the list of her awards:

- **Graduate Student Researcher, Fall 2019 (\$1,500)**, "Pre-Service Physical Education Program: Adapted Physical Education Practicum." This research examined the relationship among various factors affecting pre-service physical educators' confidence in teaching students with disabilities.
- **ESU Foundation grant, 2019 (\$616)**, "ThisAbility Sports through Disability Sports." This grant supported the purchase of baseball equipment for activities to increase disability awareness in ESU students through disability sports and to increase future physical educators' confidence in teaching students with disabilities.
- **Summer Undergraduate Research Experience (S.U.R.E), 2020 (\$2,500)**, "Introduction to the Test of Gross Motor Development-3(TGMD-3)." This research reviewed the TGMD-3 instrument and developed detailed instructions for administrators utilizing the instrument.
- **Graduate Student Researcher, Summer 2020 (\$1,500)**, "Process of Developing a Questionnaire: Physical Education Teachers' Beliefs toward Students with Disabilities." The research objective was to discover ways to build pre-service physical educators' confidence in teaching students with disabilities.



**MIYHE JEONG**  
*Associate Professor of Physical Education, Graduate Coordinator*



# STUDENTS AND RESEARCH

## SUMMER UNDERGRADUATE RESEARCH EXPERIENCE (S.U.R.E)

**TOTAL STUDENTS INVOLVED: 8**

**TOTAL AMOUNT AWARDED: \$9,937**

### S.U.R.E AWARD RECIPIENTS



left to right

> **JADELYN CARDENALES**, *Business and Management, Junior*

> **MADINA KHAN**, *Business and Management, Junior*

> **KATRINA STENGER**, *Integrated Art + Design, Junior*

> **FACULTY MENTORS: XUE (STELLA) DONG**, *Art + Design*

> **DARLENE FARRIS-LABAR**, *Art + Design*

#### Prototyping and Manufacturing PPE Supplies for COVID-19 by Using 3D Printing and Digital Fabrication

**Amount Awarded:** \$2,437

This project aimed to innovate personal protective equipment (PPE) solutions by using 3D CAD skill and 3D printing and other digital fabrication techniques to address healthcare needs caused by COVID-19. Along with the face shield, students examined other medical community needs, which had the potential to be quickly manufactured by 3D printing and laser-cutting such as: stethoscope, ventilator valve, safety goggles, and a hands-free door opener. Also, manufacturing efficiency, sustainability, and healthcare safety were explored in this project. Finally, the team created and developed reliable and functional PPE solutions that could be produced. Students and faculty worked off-site in their own homes and communicated through Zoom.

"This research experience has surpassed my expectations since we were able to figure out a unique market in the face mask field with the unexpected COVID-19 pandemic. With that, I have been able to create a functional prototype and test the prototype among the community to see what needed to be revised and changed. It was also very exciting for me to see my face mask prototype promoted through the "Masks and Makers" exhibition and 2020 PAEA Conference."

– Katrina Stenger



< **MAURA DALTWAS**, *Political Science, Junior*

< **FACULTY MENTOR: ADAM MCGLYNN**, *Political Science and Economics*

#### Intersectionality and the Political and Social Views of Millennials and Generation Z

**Amount Awarded:** \$2,500

There has been a good deal of research trying to analyze the views of Millennials and more recently Generation Z to assess their impact on the economy, public opinion, and world affairs. For the most part, the conclusion has been that these groups hold views that are more progressive than older generations. However, much of this work posits that Millennials' views are largely uniform outside of their party identification. At the same time, social science research has been growing in its understanding of intersectionality. The concept of intersectionality puts forth the idea that one's identities including ethnicity, race, gender, and immigration status or nativity intersect to create a whole that is different than any one identity (Collins, 2015). Therefore, in this work we applied the concept of intersectionality to an analysis of the policy views of Millennials and Generation Z to explain how race, gender, ethnicity and immigration influenced the views of these generational groups.

"This summer's research project will impact my future in education here at ESU specifically, as I am now better prepared for my senior seminar course and thesis project, considering this experience taught me how to conduct a research project. Conducting this research project also assisted in bettering problem-solving skills, along with my understanding of reaching a conclusion through extensive research."

– Maura Daltwas

- > JENNIFER GUIDO, *Psychology, Junior*
- > ALISSA TRESSLER, *Psychology, Junior*
- > FACULTY MENTOR: JYH-HANN CHANG, *Psychology*

### The Development of the Chinese Compassion of Other Lives Scale and English Compassion of Other Lives Scale Short Form

**Amount Awarded:** \$2,500

Jennifer Guido and Alissa Tressler took on the challenges of determining the reliability and validity of the Chinese “Compassion of Other Lives Scale” while also reducing the English scale. The “Compassion of Other Lives Scale” has been translated into Turkish, Spanish, and most recently Chinese. Dr. Zhang gathered data in Beijing, China to help validate the reliability and validity of this measure. In addition, an article on cross-cultural compassion of the English, Turkish and Spanish versions was recently published by The Journal of Humanistic Psychology. Once a scale has been established in the field, the traditional second step is to reduce the number of items in it to make it more efficient. It is an honor when other scholars translate a scale.



“This research experience allowed me to apply what I have learned in the classroom setting to real and current research being conducted. It allowed me to strengthen and develop important skill sets needed in psychological research. It also helped me to learn new psychological concepts that apply to research that I have not yet learned in the classroom. This experience will set me ahead of my peers as it has enabled me to practice research at an early stage in my collegiate career and it has taught me concepts that I will eventually see in upcoming classes.”

– Alissa Tressler

“Working with Dr. Chang and Alissa over the course of the summer allowed me the opportunity to dive deeper into what it means to conduct psychological research. I was able to work with real data and apply it to real-life situations. I was taught the importance of research designs and the application of compassion to real-world behaviors.”

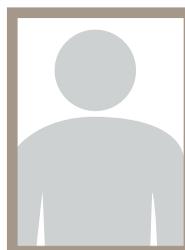
– Jennifer Guido

- > MOLLOY JACOBS, not pictured  
*Physical Education Teacher Certification, Junior*
- > LAUREN REIGHTNEOUR, *Physical Education Teacher Certification, Junior*
- > FACULTY MENTOR: MIHYE JEONG, *Physical Education Teacher Certification*

### Introduction to the Test of Gross Motor Development-3

**Amount Awarded:** \$2,500

The Test of Gross Motor Development 3 (TGMD) an assessment tool, was released in 2019 after the TGMD-2 had been widely used for two decades. This assessment tool is new to most physical education teachers. With this new assessment tool, Mihye Jeong, Molly Jacobs and Lauren Reightneour reviewed the TGMD-3 instrument and developed detailed instructions for administrators to follow when setting up, providing verbal directions, and giving visual demonstrations to the student. They recorded and interpreted the TGMD-3 results in this project. Molly Jacobs and Lauren Reightneour will present their research project at the Pennsylvania State Association for Health, Physical Education, Recreation, and Dance (PSAHPERD) conference as an outcome.



[The research] allowed us to dive deeper into our field of study in an exciting way. Continuing our education over the summer was also beneficial because we enjoyed acquiring more knowledge on assessing child development to become a better educator for our future students. This research has given us the confidence to conduct research in the future. We are confident we will successfully keep our content applicable to our students and the current times. We also feel confident that we will be able to successfully conduct research in the future.”

– Molloy Jacobs and Lauren Reightneour



# GRADUATE STUDENT RESEARCH ASSISTANTS (GSR)

FALL 2019

SPRING 2020

SUMMER 2020

The GSR is responsible for assisting the mentoring faculty member in a variety of non-administrative tasks, which may include preparing resources, equipment, materials for the research, and documenting results. The research project provides the opportunity to learn proper research procedures and techniques, with the supervising faculty determining research goals and supervising the student in achieving those goals. The supervising faculty is responsible for providing ongoing feedback and a formal assessment at the conclusion of the assistantship.



## FALL 2019

< **ARLENE HARGRAVE**, Professional & Secondary Education - Adapted Physical Education

> **FACULTY APPLICANT: MIHYE JEONG**, Physical Education & Teacher Education

**Pre-Service Physical Education Program: Adapted Physical Education Practicum**

**Funding Source:** ESU Graduate College

**Amount Awarded:** \$1,500

This project examined the relationship among factors affecting pre-service physical educators' confidence.

Arlene Hargrave developed a questionnaire, collected data, and managed the collected data. She oversaw the Institutional Review Board (IRB) process, learned how to develop a questionnaire and how to start a pilot study using mini data from a previous study. Arlene also learned how to input data in Excel and transfer the data to the SPSS program.

*"It was a great opportunity to examine what factors are related to preservice teachers' confidence in working with students with disabilities. Working with students with disabilities is a unique opportunity. It was very helpful to manage the collected data to understand the research process, learn how to use them, and finally, see the results directly. I am happy I was able to participate in this research."*

– Arlene Hargrave



## SPRING 2020

< **LIAN MLODZIENSKI**, Professional & Secondary Education

> **FACULTY APPLICANT: BETH SOCKMAN**, Professional & Secondary Education

**Using the Instruction Design Process in Design Based Research to Create a Neuroscience Module for First Year Experience (FYE)**

**Funding Source:** ESU Graduate College

**Amount Awarded:** \$1,500

Lian Mlodzienski worked collaboratively to create a neuroscience module that coincided with the First Year Experience (FYE) book, University Matters for Your Success, Chapter 11 Learning in College and Beyond: Transferable Skills and Lifelong Learning, written by Dr. Renee Boburka. Lian used the instructional design (ID) process and within that, design-based research (DBR) to create a module that can be implemented in ESU's learning management system. FYE aims to enable freshmen to utilize strategies that will make them successful in life and their college career.



## SPRING 2020

< DANIEL MASSARO, *Public Health*

> FACULTY APPLICANT: ELAINE RODRIGUEZ, *Health Studies*

### Antigua Guatemala Health Needs Assessment

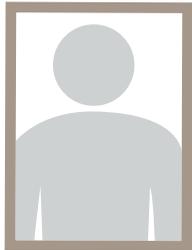
**Funding Source:** ESU Graduate College

**Amount Awarded:** \$1,500

Daniel Massaro traveled to Antigua, Guatemala to collect preliminary data from a written format into a digital format from patients and healthcare professionals at a local hospital in Antigua, Honduras. Daniel worked closely with hospital patients and healthcare professionals to complete each assessment. This data collection method was utilized due to the lack of infrastructure within the city of Antigua. Additionally, Daniel worked with the faculty adviser to ensure effective translation of oral or written communication to ensure the accuracy of data collection. Subsequently, Daniel contributed to a health needs assessment report and shared findings with the host hospital administrators.

*"Under Professor Rodriguez's guidance I learned the importance of conducting a systematic literature review and an overview and analysis of the subject area we were planning to collect new data in prior to entering into the field. This proved to be a crucial component of the overall process. I was able to partake in the process from its inception, to IRB approval, data collection, analysis, and finally presentation to stakeholders. This really was fully immersive and very enriching both as a graduate student and as a professional."*

– Daniel Massaro



## SUMMER 2020

< GABRYELLA WILDER, not pictured, *Professional & Secondary Education*

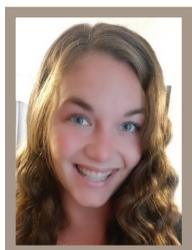
> FACULTY APPLICANT: DIANE HOLBEN, *Professional & Secondary Education*

### Compliance with Individuals with Disabilities Education Act (IDEA) Due Process Hearing Timelines: A Longitudinal National Analysis

**Funding Source:** ESU Graduate College

**Amount Awarded:** \$1,500

This project collected and analyzed the approximately 6,000 due process hearing officer decisions issued over a six-year period and analyzed the length and characteristics of the due process hearings. Gabryella Wilder honed her quantitative research skills through analysis and coding of decisions and compiled an SPSS database. She developed professional communication skills serving as a liaison with state departments of education. The result was a paper for publication with graduate student contributions to the writing. Additionally, the database compiled by the graduate student researcher serves as a springboard for future projects.



< CHELSEA SWINNEY, *Professional & Secondary Education*

> FACULTY APPLICANT: MIHYE JEONG, *Physical Education & Teacher Education*

### Process of Developing a Questionnaire: Physical Education Teachers' Beliefs Toward Students with Disabilities

**Funding Source:** ESU Graduate College

**Amount Awarded:** \$1,500

Chelsea Swinney, a graduate student in Adapted Physical Education (APE) track in the Professional Secondary Education Program, is a Health and Physical Education teacher in the Valley Forge School District, and teaches general physical education as well as adapted physical education classes for students with disabilities. With this study, Chelsea constructed a questionnaire to examine physical education teachers' beliefs toward teaching students with disabilities in general physical education classes. Prior, faculty mentor Mihye Jeong had completed a pilot study with 45 physical education teachers. Based on the pilot study, a questionnaire was constructed for this main study.

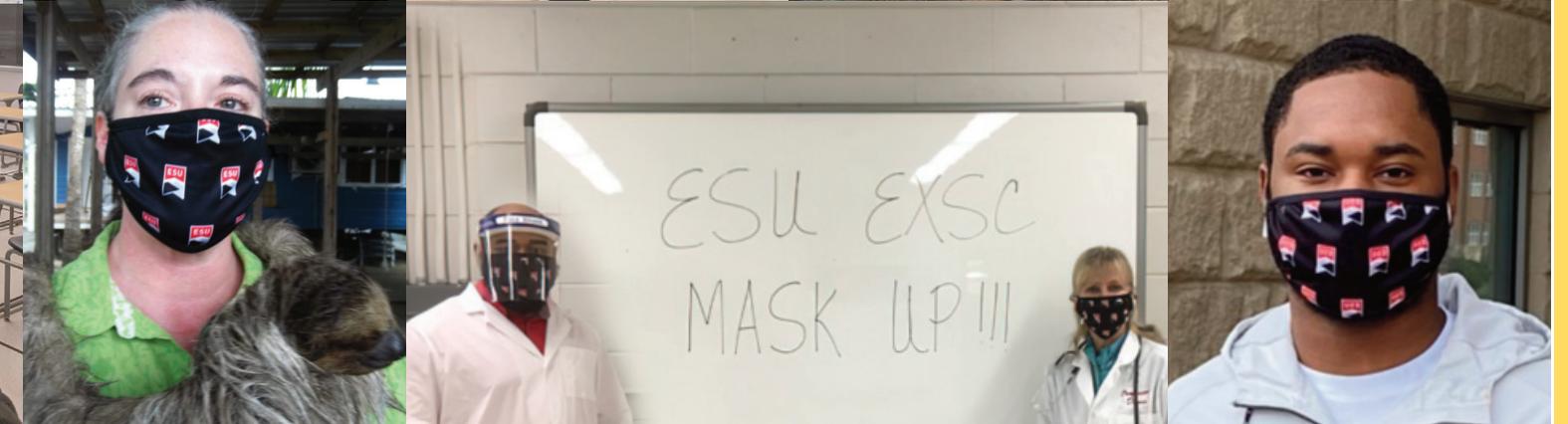


# WE ARE A COMMUNITY





# MUNITY



# PROVOST'S COLLOQUIUM SERIES

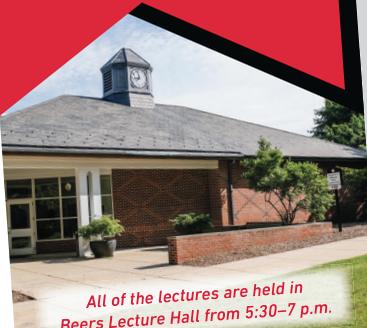
The Provost's Colloquium Series began in fall 2016. This grassroots, faculty-initiated lecture and presentation series completed its fourth year in 2019-2020. Impacted by the COVID-19 crisis in mid-March, the series canceled its final three presentations of the academic year. Since its inception, the series has had 45 live presentations and continues to provide a platform for discussion and sharing for the ESU community and beyond.





## Spring 2020 Provost's Colloquium Series

An intellectual experience that promotes dialogue among ESU faculty, staff, students, and the community through a series of events highlighting developments in all disciplines and professions.



All of the lectures are held in Beers Lecture Hall from 5:30-7 p.m.

### JAZZ LOUNGE LISTENING SERIES

Kemp Library | 7 p.m.  
Third Wednesday of each month

Listen to jazz on vinyl, a different recording every session. For the schedule and more info visit [www.esu.edu/jazzatesu](http://www.esu.edu/jazzatesu)

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In accordance with federal and state laws, the university will not tolerate discrimination. This policy is placed in this document in accordance with state and federal laws including Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and the Civil Rights Act of 1991 as well as all applicable federal and state executive orders.

For assistance, special accommodations, or further information, call the Office of the Provost at 570-422-3539.

**PEDAGOGY OF PLAY**  
Wednesday, February 5  
Ahmed Yousof, Ph.D., Assistant Professor, Digital Media Technologies



**TOXIC LEADERSHIP:**  
*Its Impact on Individuals, Organizations, and Even Nations*  
Wednesday, February 26  
Jamie Kizer, Manager, Entrepreneurial Leadership Center



**SCIENCE, STIGMA & SOLUTIONS:**  
*What We Can Do as a Community About the Substance Use Disorder Crisis*  
Wednesday, March 4  
Gillian Beauchamp, M.D.,  
Emergency Medicine and Medical Toxicology, Lehigh Valley Health Network



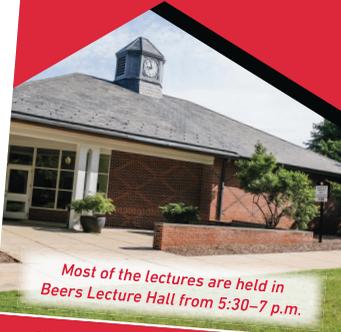
**KIDS THROUGH THE MATHS**  
Wednesday, March 11  
Cornelia S. ...  
Amy Freeman ...  
Gene Kelly ...  
Joseph A. ...  
Santiago ...  
Curtis D. ...



## EAST STROUDSBURG UNIVERSITY

### Fall 2019 Provost's Colloquium Series

An intellectual experience that promotes dialogue among ESU faculty, staff, students, and the community through a series of events highlighting developments in all disciplines and professions.



Most of the lectures are held in Beers Lecture Hall from 5:30-7 p.m.

### JAZZ LOUNGE LISTENING SERIES

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[esu.edu](http://esu.edu)

**FACTORS DRIVING STUDENT SUCCESS:**  
*Creating a Clear Path*

Wednesday, September 4  
Olivia Carducci, Ph.D., Associate Professor Mathematics  
Bonnie Green, Ph.D., Professor, Psychology  
Michelle Jones-Wilson, Ph.D., Professor, Chemistry



**CHINESE ANIMATION**  
Wednesday, September 25  
Rubi Ji, Ph.D., Visiting Scholar, Art + Design  
Professor of Design, Shanghai Normal University



**THE IMPACTS OF RHEUMATIC DISEASE ON THINKING, COMMUNICATION, AND HEARING**

Wednesday, October 2  
LuAnn Batson-Magnuson, Ph.D.,  
Associate Professor  
Communication Sciences and Disorders  
Susan Dillmuth-Miller, Au.D.,  
Assistant Professor  
Communication Sciences and Disorders



**UNEASY COEXISTENCE:**  
*Profit Maximization and Affordable Healthcare in the U.S.*

Wednesday, October 23  
Christopher Warburton, Ph.D.,  
Adjunct Assistant Professor, Economics



**THE POWER OF TECHNOLOGY IN THE ARTS**

Wednesday, November 6, 2019  
Darlene Farris-LaBar, Professor, Art + Design  
Chris Domanski, Associate Professor, Theatre  
David Mazure, Associate Professor, Art + Design  
Yoshinori Tanokura, Associate Professor, Theatre



**A PREDOMINANTLY WHITE INSTITUTION IN TRANSITION: Diversity and Inclusion Efforts at ESU**

Wednesday, November 20, 2019  
T. Storm Heter, Ph.D., Associate Professor, Philosophy and Religious Studies  
Gene Kelly, Ph.D., Interim Dean, Student Life  
Laura Kieselbach, Ph.D., Assistant Professor, English





# STAYING THE COURSE AND Fighting for Social Justice

**The year 2020 has been a year of reckoning.** In the wake of George Floyd’s murder and the ensuing protests for equality and against police violence, universities sought to affirm and reaffirm their commitments to racial justice. Universities are putting plans in place to address structural racism, and faculty are reorienting their courses to greater emphasize diversity and inclusion. These actions are welcome, and allow universities to address longstanding inequities.

ESU’s commitment to diversity, equity, and inclusion is evidenced by the renaming of the division of Student Affairs to Campus Life and Inclusive Excellence (CLIE) and the creation of the assistant vice president

for inclusive excellence position. Further, our strategic plan “Students First: Empowering Innovation through Collaboration 2017-2020” outlines goals and strategies that cross over one another

to reach a single destination. These powerful changes at ESU have started the process of infusing diversity and inclusion into everything we do across our campus.



ESU faculty, staff, and students participate in a Black Lives Matter protest in May.

## HOW HAVE YOU PERSEVERED AND STAYED THE COURSE DESPITE COVID-19?

### Men of Color Alliance – MOCA

When Curtis Dugar, director of residential and dining services, joined ESU in 2018, he also took on an advisory role to the Multicultural Male Initiative (MMI). After a transformative trip with fellow staff members to a conference at Shippensburg University, and seeing the potential in student support groups

where students were allowed to construct their own agenda, the initiative decided to embrace its Men of Color Alliance (MOCA) student organizational name as the overall title of the initiative. MOCA’s focus is on relationship, advocacy, and the empowerment of participants to take charge of their own futures; it allows them to plan and facilitate their own meetings. Men of color were in need of connection! In spring 2020 their branding was decided upon, then COVID-19 struck. They were ready to dive into their hallmark spring event titled “My Brother’s Keeper,” which is a dinner to celebrate mentorship, but it was cut short. To keep activity moving, a Brother to Brother virtual meeting took shape, and a podcast ensued. Brother to Brother proved to be very popular in spring and was important in keeping these men connected. The silver lining in the time of COVID-19 is that Curtis and MOCA co-leader, Eric Lee, an academic success coach in the Department of Academic Enrichment and Learning, have a deep connection with their students and are happy to keep them focused during this time. Dugar says, “We need to meet them where they are.” A promise they will keep, COVID or no COVID.



Pictured: Cornelia Sewell-Allen; Brian Akonu, sophomore; Damir Harrod, sophomore; Curtis Dugar.

## The Women of Color Initiative (WOCI)

The Women of Color Initiative (WOCI) was launched at the end of 2019 when Cornelia Sewell-Allen, assistant vice president for Campus Life and Inclusive Excellence, and her team looked at data regarding students who were at the greatest risk during their academic career, and recognizing that Latinx and African American students were not being retained at the same rate as their peers. WOCI was directly created to address this threat and to engage the women of color on ESU's campus. Dr. Sewell-Allen formed a committee which identified goals in spring 2020 – and then the COVID-19 pandemic struck in March. The question was raised: can we do this in a remote environment? Out of that conversation, Sister Chat was born, a campus-wide support group for women of color. The women met weekly until the end of May, discussing what they were experiencing. They also wanted to create a space for professionals and students to connect. Postcards inviting women of

color to join WOCI were mailed to students in August, with about a dozen responding. The group continued to meet bi-weekly and had monthly Sisterly Connections workshops focusing on various topics such as academic success and well-being, social justice and allyships, and pausing for self-care. In this environment, their overall message to all women is: "it's ok to not be ok," giving everyone freedom to feel what they are currently experiencing. What is the silver lining in this time of COVID-19? Dr. Sewell-Allen said, "The pandemic has allowed me to form connections with people that I may not have had connections with otherwise. We have become a support system with each

other. Recognizing that I'm feeling this too, we have a greater understanding of each other." When possible, they will transition to live programming.



### Shadé Stokes-Campbell

*Fifth-year senior, public health major with a concentration in health services administration*

Shadé Stokes-Campbell is completing her fifth year as a public health major with a concentration in health services administration. She seeks to pursue a career as a pediatric nurse as well as work in the administrative side of hospitals. In addition to her studies, Shadé is also a mentor for first-year students and a student committee member in the Women of Color Initiative (WOCI) organization.

As WOCI got its start in the midst of the COVID-19 pandemic, members focused their energies to help Native American tribes in Mexico and Delaware by sending them masks to wear. Shadé said that she feels the pandemic has allowed WOCI members to connect better than if they were in person. She explained, "[The pandemic] helped us to connect better because now we are at home, where we live our lives. It's not just on campus where we see each other... connecting with others through Zoom is a very creative way to connect with people and it's something that people need now".



While Shadé shares her feelings of how the pandemic has provided a deeper way to connect for the members of WOCI, she also expressed that she found virtual learning to be challenging and took her about six weeks to get used to it and feel like she was on track. As an A+ student that holds herself accountable to a high standard, she said, "I have learned to be less critical of myself. Dr.

Cornelia Sewell-Allen kept telling me you know you can't do everything; everything is not going to be 100% perfect." She now enjoys online courses because she feels it gives her a chance to really retain information and allows her more opportunities to reach out to professors for further help. She explained that she feels she has become better at staying organized due to the need to constantly check her emails and stay on top of assignments.

Although this is an unpredictable time with many opportunities for individuals to seek out the negatives, Shadé has decided to focus on

the positives and use her current situation to her advantage. From joining WOCI to becoming a better a student in the midst of this pandemic, Shadé's positivity and ambition is inspiring.



# Plans Interrupted-

## STAYING THE COURSE AND ADAPTING TO NEW WAYS

In this section we hear the voices and perspectives of faculty, staff, and students on how they have managed to pivot quickly and adapt their ways in the time of COVID-19.



### RENÉ FUANTA

Assistant Professor  
Chemistry and  
Biochemistry

*In my first real  
US winter,  
I got snow;  
in my second,  
I got a pandemic.*

René Fuanta; American Society for Biochemistry and Molecular Biology Today. Retrieved on October 14, 2020 from: [www.asbmb.org/asbmb-today/careers/072920/in-my-first-real-u-s-winter-i-got-snow-in-my-secon](http://www.asbmb.org/asbmb-today/careers/072920/in-my-first-real-u-s-winter-i-got-snow-in-my-secon)

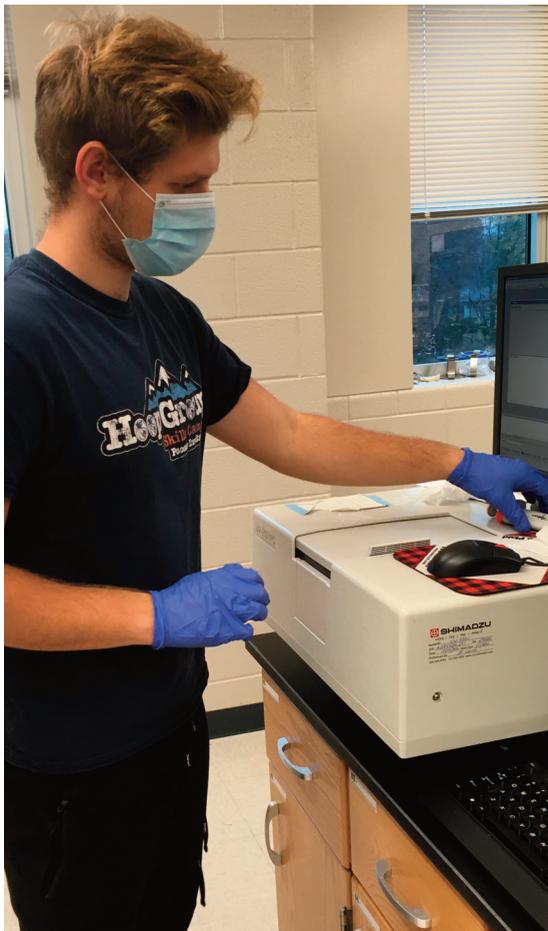
Staying the course in delivering quality education for René Fuanta, assistant professor, chemistry and biochemistry, meant gaining skills in virtual course delivery. Stargate, a video clip, was created by Dr. Fuanta as a way to increase engagement at the start of his online course Biochemistry I (Bio 315). It is an entertaining two minute video he created himself that served to orient students to the course syllabus, text, and timeline of exams. Dr. Fuanta described the process of making a quick pivot in March 2020 to online instruction in a reflective article\* that he published in an online journal. In the article he writes:

I had to adjust posthaste to a new mode of course content delivery. I took into account that students who suddenly found themselves stuck at home might not have the appropriate tools to draw [chemical structures online] or answer some questions online. In the late hours of the night, I made lecture videos. Sometimes I failed to hit the record button and had to start all over. The ESU information technology and communications team offered training. [It] was a bitter pill. My students felt that they had lost their connections with the faculty. Teaching from home was also a challenge. I had to make several cushion adjustments to stay comfortable in my home office setup. COVID-19 has given me a new perspective on all my interactions...[and] shown me how much I value my interactions with my students and family.

This is a brief insight into one of ESU's faculty experiences to respond to the global pandemic that became critical for our ESU community in spring 2020. We know there are countless more examples of rising to the challenge to stay the course and all these efforts are to be applauded.

WELCOME TO STARGATE  
(INTERGALACTIC  
EXPLORATION)  
BIOCHEMISTRY | CHEM 315

Your intergalactic journey begins  
August 31st and ends December 18th, 2020



*ESU undergraduate Marcin Ogrodniczuk demonstrates uses of a spectrophotometer using COVID-19 health safety measures.*



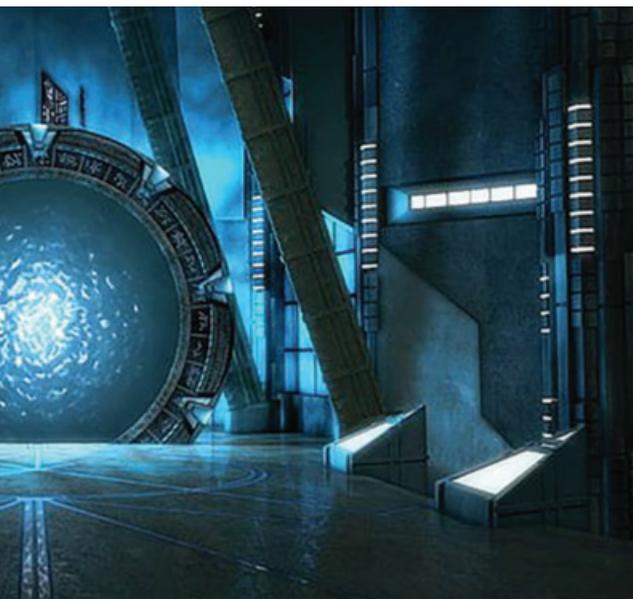
## GRACE MARTINI

*Fifth-year senior, Secondary Special Education and English with a minor in Studio Art*

Grace Martini is a fifth-year senior double majoring in Secondary Special Education and English with a minor in Studio Art. Grace shared her experiences and the impact it has made on her life while completing her degree in the midst of the COVID-19 pandemic. A much-anticipated trip abroad to Germany with other Education majors was disrupted and cancelled in spring, and most college courses were moved to an online format. Grace said, "It's definitely an adjustment especially starting off the year online. It was hard to get a bearing on things and really review assignments. I've had to email professors and go to their office hours just to double check and make sure I know what I am doing." Meeting face-to-face and having social interactions with professors and classmates is something she says has been greatly missed since moving to online. Dedicating a space in her home solely for schoolwork, however, has allowed her to divide her school and home life in hopes of staying focused.

Remaining focused and present during courses since switching to an online format has become a new factor that Grace has found she must hold herself accountable to. While moving online has been an enormous adjustment for everyone, and has its disadvantages, there are also many advantages. Grace shares that she has more free time than she normally would if her courses were in-person, time that would normally be spent walking/driving to and from class, parking, packing up her backpack, etc. More free time has allowed her to complete work and gives her free time for other things. She explains that being online has also allowed her to go at her own speed. If she feels that she is not grasping a subject at the speed of the class, she is able to reference back to PowerPoints and notes on her laptop. Professors also have the ability to record their online sessions and post them online for students to utilize at a later point.

While it is easy to list the negatives that have resulted from this pandemic, Grace shared information about her experience that was positive. She has adjusted to the circumstances and has been making the most out of the challenges this pandemic has given us.



## STEPHANIE FRENCH

### Professor, Theatre

Professor Stephanie French, like all faculty at ESU, had to react quickly when the decision was made to put all classes at ESU online. For some departments, especially those with significant “touch” involved, how to work online was not completely obvious. Professor French described that to make her classes work in this new environment, she had to change her mindset to rethink how to teach and deliver her classes totally differently. Approaching it with this mindset was how she stayed the course in teaching theatre in the time of COVID-19. She feels gratitude, however, that she does have a long history of teaching her courses which helped her work in a Zoom format. She also recognizes that being in the theatre in and of itself makes those in it adaptable because by nature, plays are different every time. There is a level of flexibility and adaptability that is required due to the immense number of obstacles that go into creating plays every day. There is always some challenge that needs to be faced. This forces reinvention every time.

*French looks at the pandemic as a way of forcing us into a different level of creativity.*

For theatre, scene work for students is done via Zoom; many theaters show live plays through media, but in French's opinion this has never quite worked. The delivery modal of a production is a vital component, so her idea was to create a screenplay for Zoom, instead of broadcasting a live play on Zoom. Unsure of whether it was due to circumstances around the pandemic,

French says students “were craving something else that was more interesting, more creative” and that the pieces students created were really good. This indicated that French could work creatively in this environment and not fight against it. French and her students' Zoom-based theatre production is titled *Windows* and was released for viewing on December 7, 2020.

French looks at the pandemic as a way of forcing us into a different level of creativity and to look at the world that we are living in a different way. She said, “If we can make people consider all these faces that you are seeing in your Zoom class or Zoom meeting and what's really going on behind those faces. If we can get people to consider this, then we will have succeeded in something.”



Top L-R: John Lauri (alum, screenwriter/editor, actor), Stephanie French (screenwriter/director), Emily McDermott (creator/actor).

Middle: William Barreto (alum, screenwriter/actor), Maggie Jackson (production coordinator/script supervisor), Kevin Hsaio (creator/actor).

Bottom: Brian Bollinger (screenwriter/actor), Janine Katona (creator/production assistant), Vanessa Smith (creator/actor)

Creator/Actors not in picture: Jennifer Bonilla (also production assistant), Karina Campoverde (alum), Tamir Cousins-Ali (alum), J. Dana Gallo, Jamil Joseph (alum), Diana Rockman, Gabriella Solano, Dianara Vazquez (alum) Gabriella Williams.

Other members of the team: my colleagues Christopher Domanski (producer/technical director, editor), Tanner McAlpin (art director, props and costume designer), Brian Hodge (composer, music director).

Vanessa Smith.

# ENTREPRENEURSHIP AND INNOVATION

East Stroudsburg University is proud to recognize the entrepreneurial and innovative programs that continue to inspire creativity and fuel the passion for learning at ESU. ESU faculty, students and staff continue to push boundaries and to take risks as innovators, creators, and entrepreneurs. Together, they are exploring new academic pathways and experiential learning practices that prepare students for infinite career possibilities.

## ESU FACULTY AND STAFF INNOVATOR OF THE YEAR

The 2019 East Stroudsburg University Innovator of the Year Award was presented to Nicole Chinnici, director of the Dr. Jane Huffman Wildlife Genetics Institute and founder and CTO of Organtick, LLC, an R&D company specializing in a three-step prevention model for personal, pet and home tick protection. The annual Innovator of the Year Award honors ESU faculty and staff for exemplary efforts in entrepreneurship and innovation. In her role as ESU director and entrepreneur, Nicole continues to lead the R&D initiatives that have established East Stroudsburg University as a nationally recognized center for tick testing and research. Nicole worked closely with



Innovator of the Year Nicole Chinnici. Photo by: Susie Forrester

State Representative Rosemary Brown (189th District) to raise tick awareness across the Commonwealth. Those efforts resulted in \$1M in allocations to ESU to create the PA Tick Research Lab that provides FREE tick testing to PA residents. The Lab officially launched in April 2019.

## PRESIDENT'S DISTINGUISHED ENTREPRENEUR SPEAKER SERIES

The President's Distinguished Entrepreneur Speaker Series continued with Christine Riggelman, CEO and master distiller of Silverback Distillery, along with her daughters Lauren Riggelman, assistant distiller & general manager, and Abby Riggelman, general

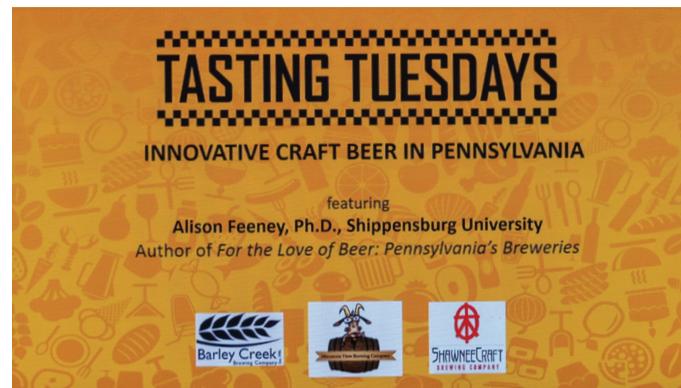


Christine Riggelman, CEO and master distiller of Silverback Distillery, along with her daughters Lauren Riggelman, assistant distiller & general manager, and Abby Riggelman, general manager for Silverback's Poconos location and the media director for the company. Photo by: Susie Forrester

manager for Silverback's Poconos location and the media director for the company. The Riggelman women shared their story of how a fascination for distilling led to a thriving multi-state business. Silverback has two locations, one in East Stroudsburg, PA and one in the Blue Ridge Mountains of Virginia, respectively. The Riggelmans do not plan to stop there, as they would like to see their award-winning brand continue to grow to both a national and international level. The President's Distinguished Entrepreneur Speaker Series, launched in 2017, was created to bring entrepreneurs to campus to talk about the challenges they've faced in their careers, as well as life experiences and educational opportunities that have guided them on their journey.

## TASTING TUESDAYS

Tasting Tuesday events were launched in 2020 through an ESU Out of the Box grant awarded to Professor Nancy VanArsdale, English Department, and funded by the Office of the Provost. The grant was a collaborative effort with Professor Andrea McClanahan, Communication Department, and Professor Li-Ming (Stanley) Chiang, Hotel, Restaurant and Tourism Management Department.



Tasting Tuesdays. Photo by: East Stroudsburg University

The inaugural Tasting Tuesdays event, ESU Innovates and Educates with Craft Beer Entrepreneurs, featured guest speaker Dr. Alison Feeney, author of the book "For the Love of Beer: Pennsylvania's Breweries". Additional presenters included Shawnee Craft Brewing Company, Barley Creek Brewing Company, and Mountain View Vineyard, Winery and Brewery, all local breweries and entrepreneurs who shared their views on the growing industry of craft brewing. Following the presentation and panel discussion, a pop-up craft beer tasting experience was available for faculty, staff, students, and community members over the age of 21. Future Tasting Tuesdays will feature regional food, beverage, confectionaries, and condiments. Each of these events will showcase the product, a tasting, and an open discussion on the product.

## PASSHE STARTUP CHALLENGE



*PASSHE Startup Challenge first place winner, Erik Diemer.  
Photo by: Susie Forrester*

East Stroudsburg University graduate Erik Diemer '19 won first place in Pennsylvania's State System of Higher Education (PASSHE) Startup Challenge, claiming a \$10,000 award. The PASSHE Startup Challenge is a competition for student

entrepreneurs attending the 14 state-owned universities. Erik Diemer launched his company Mite Fight, LLC during his last semester at ESU, in an effort to save honeybees with an affordable subscription service that sends beekeepers all the supplements and medicines they need in order to keep their bees healthy. Honeybees have been dying at an increasing rate due to the Varroa Destructor mite, which Mite Fight LLC hopes to combat with treatments for hives. ESU senior Laura Sarria tied for second place in the one-minute elevator pitch portion of the competition with her company TACK, winning \$75.

## TECBRIDGE BUSINESS PLAN COMPETITION

Erik Diemer '19 won the collegiate division of the tecBridge Business Plan Competition for his company Mite Fight LLC, a low-waste subscription service that provides supplements and medicines needed to keep honeybees healthy. The tecBRIDGE Business Plan Competition is an annual event that showcases entrepreneurship and innovation in the northeast Pennsylvania region. Student teams from 14 regional universities and colleges compete in the collegiate division and early stage entrepreneurs compete in the non-collegiate division. Erik Diemer claimed the \$10,000 cash prize and over \$100,000 of in-kind services to help launch his business. In addition to the subscription service that Mite Fight LLC offers, Diemer also plans to implement data collection on the health of the honeybees and spread of disease. With this data, Diemer will launch The Honeybee Health Forecast, a system that will allow commercial beekeepers to better mitigate disease and risks for their hives.

## ESU PRESENTS THIRD ANNUAL HIGH SCHOOL INNOVATOR OF THE YEAR AWARD

The Third Annual East Stroudsburg University Innovator of the Year Award for high school students participating in the Region 21 Future Business Leaders of America (FBLA) Leadership Conference hosted by ESU was awarded to the Palmerton High School. More than 100 students participated in the "Made in the Poconos" Business Pitch Competition representing the FBLA Region 21 high schools: Stroudsburg, East Stroudsburg South, Pocono Mountain East, Pocono Mountain West, Pleasant Valley, Palmerton, Leighton, Panther Valley and Jim Thorpe. The conference featured exercises in entrepreneurial thinking, innovative activities and leadership skill building. Students also participated in a variety of workshops including E-Commerce, 3-D printing, and the entrepreneurial mindset.

## HUSTLES AND GIGS: STUDENT BUSINESS EXPO

The Entrepreneurial Leadership Center launched the first Hustles and Gigs: A Student Business Expo during the FY19-20 academic year. A total of 39 student entrepreneurs showcased their small businesses and "side hustles" to the campus community during the fall and spring semester Hustle and Gigs events. A variety of student vendor services and products were featured including catering services, computer repairs, clothing designers, and much more.



*Hustles and Gigs: A student Business Expo.  
Photo by: Susie Forrester*

## GLOBAL ENTREPRENEURSHIP WEEK

Global Entrepreneurship Week, a worldwide celebration of innovators and entrepreneurs, came to Monroe County for the first time in November 2019.



*Global Entrepreneurship Week.*

The week-long celebration was sponsored by Startup Pocono in collaboration with East Stroudsburg University and the Monroe 2030 Action Team. Global Entrepreneurship Week offered a host of different workshops and activities focused on entrepreneurship and innovation.

Each November, Global Entrepreneurship Week reaches millions of people across the globe through networking opportunities, captivating workshops, and community panels.

## BUSINESS ACCELERATOR EXPANSION

The ESU Business Accelerator 16,000 sq. ft. expansion project on the second floor of the Innovation Center was completed during FY19-20. The expansion includes the build out of 17 new office suites, two conference rooms, co-working space, and a state-of-the-art video wall. The expansion was made possible in part by a grant from the Economic Development Administration (EDA).

## COWORKING SPACE

The ESU Business Accelerator Program launched its new co-working space in September 2019 to provide entrepreneurs and business professionals with the opportunity to cross-collaborate and work out of an innovative environment. Members of ESU's Coworking Space have access to Wi-Fi, ESU research tools, business mentoring from the Business Accelerator seasoned staff, and the opportunity to engage and collaborate with other business owners. The development of this collaborative space at ESU was funded in part by a grant from the Economic Development Administration (EDA) that supported a 16,000 sq. ft. expansion of the Business Accelerator.



The new Coworking Space launched by the ESU Business Accelerator Program. Photo by: Bob Weidner

## ESU BUSINESS ACCELERATOR WELCOMES NEW COMPANIES

The Business Accelerator welcomed six new early-stage companies to the program: JODA Enterprises LLC; Attractive.Media; KSB

Bookkeeping Services, LLC; Penn Leaders, LLC; XLAB Realtime, LLC; and Verde Mantis.

In FY19-20 a total of 22 companies participated in the program; 19 early-stage companies, one anchor company, and two university initiatives.

## ENTREPRENEURIAL WORKSHOP SERIES

The Entrepreneurial Workshop Series continued with the following speakers: Zack Gocek, Founder of Zack's Taco Shack; Victoria Cooper, CEO of The Consulting Firm; Brittany Jones and Ali Ludlow, Co-Founders of Whatever: A Party Game; Blaise Delfino, CEO and Founder of Fader Plugs; Thomas J. Passante, Registered Representative at Independence Planning Group; Anthony Gilbert, Owner of Pocono Crimson Dragon Martial Arts Academy; Ngozi Bell, Partner at Trans-Sahara Investment Corp.; Eric Noone and Lyman Winner, Co-Owners of Frogtown Chophouse; and Adam Nelson, Founder of Philly E-Sports. The series is sponsored by the ESU Entrepreneurial Leadership Center (ELC). The ELC provides emerging student entrepreneurs with access to events, workshops, mentoring and competitions that enable them to develop and refine their entrepreneurial skills.

## AUTISM EDUCATION CENTER

East Stroudsburg University of Pennsylvania, in collaboration with the AllOne Foundation's Autism Collaborative Centers of Excellence Network, has established the ESU Autism Education Center. The center is a multi-disciplinary hub offering referrals, networking, resources, workshops, and training for the broader community, including Monroe, Pike, and Wayne counties, as well as for ESU students, faculty, community teachers and families of individuals with autism. Through current and planned programming and affiliation networks already in place, the ESU Autism Education Center provides a foundation for improving coordination of care and training opportunities for individuals with autism, their families, and communities.



From left to right: Marcia G. Welsh, Ph.D., president, ESU; Gina Scala, Ed.D, professor and chair of special education and rehabilitation; Rachel Wolf, Ph.D., associate professor of communication sciences and disorders and director of ESU Autism Education Center; Paul Canevari, board member of AllOne Foundation; Denise Seigart, Ph.D., dean of the College of Health Sciences, ESU; and John Cosgrove, executive director of AllOne Foundation.

Photo by: Susie Forrester

# CREATIVE EXHIBITS

## CHRISTOPHER DOMANSKI

Theatre

### Pocono Mountain Music Festival

Pocono Mountains, PA - July 24, 2019

Christopher Domanski served as lighting designer for six independent shows during the Pocono Mountain Music Festival. He worked with the artistic director to create an inventory of equipment for each production, installed, tested, and created the lighting designs, and executed the lighting for each show. Additionally, the festival is organized around a summer musical theatre camp. The camp has a showcase to close out the festival on the final night.



HOT SARDINES

Pocono Mountain Music Festival. Photos by: Christopher Domanski

### It's A Wonderful Life

Freedom High School - November 20, 2019

Domanski was the scenic designer for the production of It's A Wonderful Life for Freedom High School. He worked with the director to create the environment, researched and created sketches, provided detailed draftings and color renderings all of the scenic elements, and consulted on the build and installation.



CAROL J BUFFORD

### Good Kids

East Stroudsburg University - November 21, 2019

In the production of Good Kids, Domanski worked as the scenic and lighting designer for the Theatre Department's production of Good Kids. As the scenic designer, he researched and created sketches of the environment, provided detailed drafting of all scenic units, built and painted a scale model, and built, painted, and installed the scenic environment. As the lighting designer, he researched and implemented a new lighting fixture to complement the scenic design, drafted the lighting plot and created all of the companion lighting paperwork, installed, focused and programed all of the lighting requirements for the production.



It's A Wonderful Life Production. Photos by: Bill Leicht

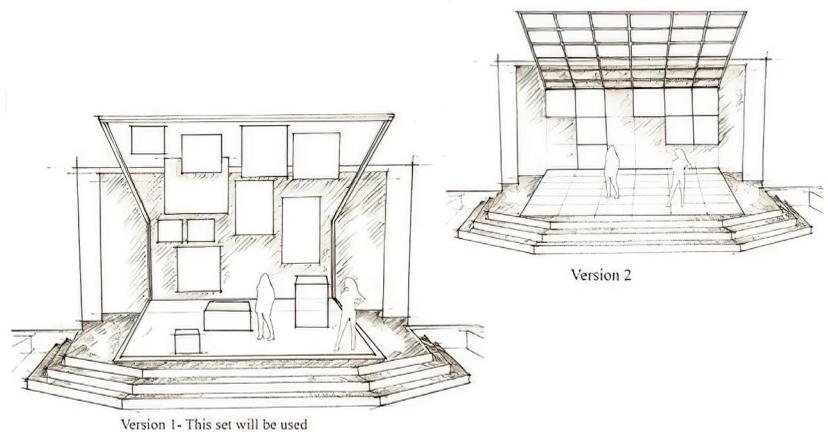
## BRIAN HODGE

Theatre/Music

### ESU Marching Band Show 2019

Eastern Pennsylvania - August 16, 2019

2019's ESU Marching Band show was designed to incorporate a new approach to traditional marching band in terms of musical selections, performance style, and drill approach. The ensemble incorporated a great deal more dance-oriented maneuvers, featured an energetic soloist, and was designed to entertain audiences (particularly targeting local high schools) while simultaneously providing a significant challenge



Good Kids Production. Photos by: Christopher Domanski



East Stroudsburg University Marching Band. Photo by: Susie Forrester

to each performer in order to develop their performance capabilities. The entire work was an original concept that the demographics of our region would most enjoy experiencing and taking into consideration the architecture of many of the performance venues in the area.

### Glory (arrangement)

San Bernardino, CA- June 7, 2020

Brian Hodge crafted the Glory arrangement as part of his ongoing work with the San Bernardino Symphony Orchestra as a capstone

for their January 18, 2020 concert. This concert paid tribute to Dr. Martin Luther King Jr.'s legacy. The arrangement was of the John Legend work "Glory" which was featured in the movie Selma and was performed by the SBSO with soloists Latrice Lawrence and Jacob Lusk as well as the Selah Gospel Choir.

### DAVID MAZURE

Art + Design

### Periodic Table of Elements

Bengaluru, India - October 18, 2019

Professor Mazure prepped files for print and sent them to the Science Gallery in Bengaluru, India for display as part of their International Year of the Periodic Table celebration. Over 40 students participated in this project and it was an honor to be invited to participate.



San Bernardino Symphony Orchestra.  
Photo by: Anthony R. Parnter, Music Director



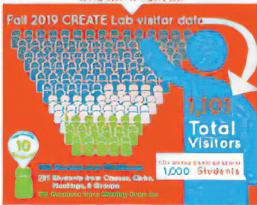
The 'ELEMENTS' exhibition in Bengaluru. Photo by: Science Gallery Bengaluru



**CREATE Lab Infographic**

Zoom - May 15, 2020

Professor Mazure worked with graphic design student Katrina Stenger (BFA, Art + Design) to compile, consolidate, and communicate data collected in the CREATE Lab to highlight the benefits that the CREATE Lab affords students and faculty alike.



**Stroudsburg Area Map Room Project**

Various Locations - ongoing until COVID-19 pandemic began in March 2020

The Stroudsburg Area Map Room Project, led by David Mazure, is inspired by the Office of Creative Research's St. Louis Map Room Project which was an experiment in collaborative mapping as a source of community engagement. The Stroudsburg Area Map Room Project engages the ESU community and residents of the area by having selected groups collaborate to create thirty distinct, large-scale maps of the Stroudsburg/East Stroudsburg region and then exhibit them as a traveling exhibition sponsored by ESU. This process provides a picture into how different groups interpret their hometown and how their description of the area might reflect their individual and collective interactions within the spaces. Using this geography of knowledge, the ESU community will begin to assess how we can better serve the local community and initiate community-based, social innovation/ entrepreneurship projects with even more impact in the future. This project has been postponed due to COVID-19.



CREATE Lab Infographic



Stroudsburg Area Map Room Project. Photo by: David Mazure

**JONI OYE-BENINTENDE**

Art + Design

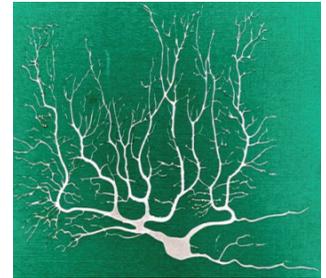
**Gassho**

Blairstown, New Jersey - November 1, 2019



Professor Oye-Benintende displayed at a one-person exhibition of clay sculpture loosely around the theme, Gassho, a Japanese term which means gratitude. The exhibit was at the Romano Art Gallery at Blair Academy in New Jersey.

Gassho Photo Credit: Blair Academy



Living with Worlds. Photos by: Darlene Farris-LaBar

**DARLENE FARRIS-LABAR**

Art + Design

**Living with Worlds... As they End**

2019 - Present

Professor Farris-LaBar collaborated with an anthropologist, writer/ author of Library of Ice, photographer, and sculptor in a project-based exploration called Living with Worlds as They End, designed to foster a connection between the creative processes of each participant and provide a foundation for a series of related artworks.

**3D Milkweed Flowers made to Scale for Nectar and Flower Color Studies with Bees**

September 2019 - Present

Professor Farris-LaBar collaborated with a scientist that used her 3D printed milkweed flowers to actual scale to perform nectar and flower color studies with bees.



Milkweed flowers. Photo by: Darlene Farris-LaBar

**Atmospheric Cords: Anemone, Lotus and Delphinium**

Galeria Espaco Piloto, University of Brasilia, Brasilia, Brazil - November 2019

**“Contagions and Wheels,” “Lush Data Filled Landscapes”**

Professor Farris-LaBar 3D printed rain as it fell on the surface of a 3D digital virtual flower. Like frozen rain, this work allows the viewers to visualize the natural forms that are created through rain drops.



Photo by: Darlene Farris-LaBar

### Planetary Dreams and Data

Sapienza University, Rome, Italy - November 2019

"How the social morphology changes in the age of the 5G," Farris-LaBar is bringing awareness with the use of both science and technology about these delicate yet vital worlds, presenting the importance of each plant species to our ecosystems while preserving their forms for the future generations to come. The meaningful use of technology can simultaneously provide us opportunities with nature for a deeper understanding and interpretation of the delicate balances and connections with all life on the planet.



Photo by: Darlene Farris-LaBar

### Atmospheric Cords & 3D Printed Milkweed Flower for Nectar Studies

Flat Land Gallery, Houston, Texas – February 2020

Construct 3D Art Exhibition at the Flat Land Gallery, Houston, TX February 2020

Farris-LaBar exhibited her 3D printed work among nationally known artists who use additive manufacturing for the creation of their work. The exhibition was in conjunction with Construct 3D Conference at Rice University.

### 3D Printing Stethoscopes for St. Lukes University Health Network

March - July 2020

Professor Farris-LaBar 3D printed over 75 stethoscopes for healthcare professionals for the St. Luke's University Health Network.



### XUE DONG

Art + Design

### Anti-fall Infusion Support

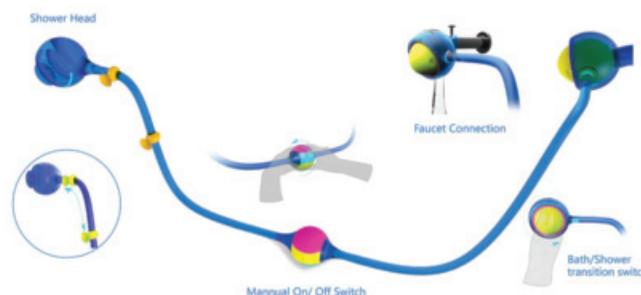
East Stroudsburg, PA - October 2019

Professor Xue Dong collaborated with Duixiong Sun to invent the Anti-Fall Infusion Support. This invention provides a convenient and reliable infusion experience for patients, families and healthcare workers.

### Funny Child's Shower System

East Stroudsburg, PA - October 2019

Professor Xue Dong and Duixiong Sun collaborated to invent the Funny Child's Shower System. The purpose of this system is to provide a safe shower solution for both children and parents. This shower system is equipped with a safe transition between the bath and shower faucet connection and includes a colorful sphere switch to make showering a more fun and safe experience.



Funny child's shower system. Photo by: Xue Dong

## DARLENE FARRIS-LABAR AND XUE DONG COLLABORATION



3D Printed Face Shield. Photo by: Xue Dong

### 3D Printed Face Shield

April 2020

PPE and COVID: Designing and 3D Printing Face Shields to Save Lives.

Prof. Dong and Prof. Farris-LaBar collaborated with Mantis 3D Printers, 3D Reactions, Computer Techies.

The faceshields and free 3D files were distributed to healthcare systems regionally, nationally and globally (such as France). The design was featured by IDSA (Industrial Design Society of America), WNEP-16, the Pocono Record, Goggle Works, the University of Central Florida, product design company newsletters, and more.

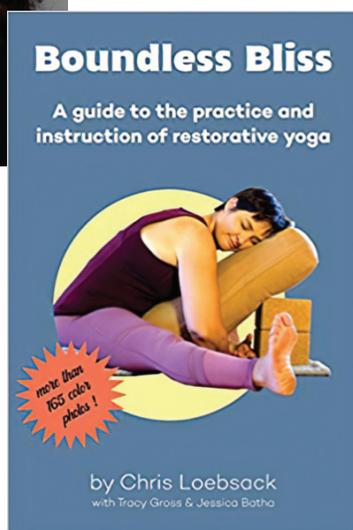
## PUBLISHED BOOKS BY MEMBERS OF THE ACADEMIC COMMUNITY



**JESSICA BATHA**

*College of Arts and Sciences | Theater*

*Note: This book was published in the 18-19 fiscal year. It is included here due to being overlooked in the last call for published books.*



### **Boundless Bliss - A Guide to the Practice and Instruction of Restorative Yoga**

*Published by Boundless Publishing, December 15, 2018*

Restorative yoga is an approach that creates a nurturing and supportive environment for the body and mind. Using props and longer holds, it encourages deep relaxation. There is more to restorative yoga than just propping the body and staying still. This manual looks at the science behind the practice and how we can use the body's natural response mechanisms to cultivate a more therapeutic experience for the recipient. The manual also covers some of the subtler details such as creating a practice space and qualities of a good restorative yoga teacher.

**STAY WARRIOR STRONG!**

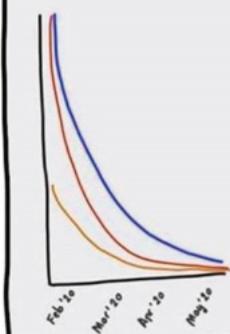


**PLEASE MAINTAIN  
SOCIAL DISTANCING**



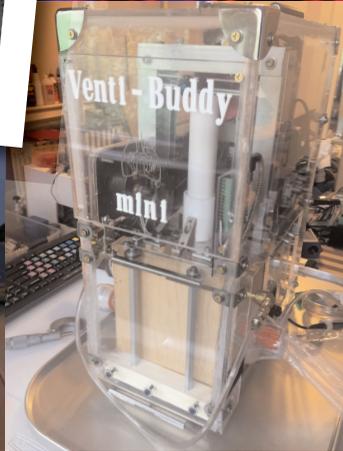
## A SCIENTIST IN QUARANTINE

FOR A CHANGE, HERE ARE SOME THINGS THAT FOLLOW AN EXPONENTIAL DECAY:



- THE GOVERNMENT'S INTEREST IN YOUR NON-COVID-RELATED RESEARCH PROPOSAL
- THE PROBABILITY OF FINISHING THAT LAST EXPERIMENT YOU DESPERATELY NEEDED
- YOUR RESEARCH CAREER

@ coldneuron



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