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Faculty Achievements, April 2021

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Faculty Achievements Report, April 2021

OFFICE OF ACADEMIC AFFAIRS

WENDY R. SHERMAN HECKLER, Provost & Sr. Vice President/Professor, Department of Education

Invited Presentations

Sherman Heckler, W. (2021, March). *Women and Leadership: Glass Ceilings? Labyrinths? Trails in Need of Blazing?* Invited presentation given for the Femergy Enrichment Institute for Women, Columbus, OH.

Peer-Reviewed Presentations and Posters

Sherman Heckler, W., and Krendl, K. (2021, March). *Teaching Women's Leadership: The View from Campus*. Presentation given at the Women for Economic and Leadership Development (WELD) and Otterbein University National Leadership Conference, Online.

DEPARTMENT OF ART & ART HISTORY

JONATHAN D. JOHNSON, Associate Professor

Artistic Exhibits and Performances

Shot Tower Gallery (Columbus, OH): Image Ohio 2021.

Susan Roman Gallery (Chicago, IL): Streetlight.

Grants and Fellowships (PI, Co-PI, or other)

Puffin Foundation Grant (PI) for "Fracked Forest" project in the Wayne National Forest.

DEPARTMENT OF COMMUNICATION

JEAN P. KELLY, Associate Professor

Artistic Exhibits and Performances

"Read, Pray, Heal: Finding Redemption in Ireland through Story," Webinar and Reading, Westerville Public Library, March 10, 2021.

DEPARTMENT OF ENGLISH

SHANNON K. LAKANEN, Professor

Grants and Fellowships (PI, Co-PI, or other)

"Mapping Fulbright Experiences." Co-lead with Emile Devereaux (University of Sussex) for U.S. Citizen Diplomacy Action Grant funded by U.S. State Department and Partners of the Americas. (\$5,000) Development of an online cartography memory project that features writing, images, video and sound media reflecting Fulbright alumni experiences, focusing on the life-long value of their cultural exchanges.

DEPARTMENT OF EQUINE SCIENCE

STEFFANIE V. BURK, Associate Professor

Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)

Keating, D.L., Lehman, J.S., Burk, S.V. 2021.

Salivary cortisol, equine characteristics, and management factors associated with strongyle-type egg shedding of Ohio horses. Student-faculty research publication. *Journal of Equine Veterinary Science*. In Press.

DEPARTMENT OF HEALTH AND SPORT SCIENCES

ROBERT E. BRAUN, Associate Professor

Peer-Reviewed Presentations and Posters

Nevels, M., Braun, R., and Saylor, C. Our World Board Game Update. Oral (Virtual) presentation at the Family Medicine Education Consortium (FMEC), Inc. national conference, Washington, DC, 2020.

Sharif, M., Johnson, R., Morel, J., Noor, H., and Braun, R. Project Youth Street Sense: Understanding the Dangers of Prescription Drugs & Basics of Addiction. Poster Presentation at the 13th Annual Health Disparities Conference, The Evidence of Personal and Societal Determinants to Achieve Health Equity, New Orleans, LA, 2020 (Conference cancelled due to Covid-19).

Hetrick, R., and Braun, R. Bullying and Suicide Ideation among Different Racial Groups. Poster Presentation at the 13th Annual Health Disparities Conference, The Evidence of

Personal and Societal Determinants to Achieve Health Equity, New Orleans, LA, 2020 (Conference cancelled due to Covid-19).

Crisan, C., Braun, R., and Frey, M. Do Multiracial Teens Exhibit Riskier Health Behaviors? Poster Presentation at the 13th Annual Health Disparities Conference, The Evidence of Personal and Societal Determinants to Achieve Health Equity, New Orleans, LA, 2020 (Conference cancelled due to Covid-19).

Braun, R., Nevels, M., and Saylor, C. Our World Board Game Update. Poster Presentation at the 13th Annual Health Disparities Conference, The Evidence of Personal and Societal Determinants to Achieve Health Equity, New Orleans, LA, 2020 (Conference cancelled due to Covid-19).

Briones, M., Dunson-Dillard, T., Braun, R., and Kowalsky, J. Racial Disparities Comparing Old/New Hypertension Cutoffs. Poster Presentation at the 13th Annual Health Disparities Conference, The Evidence of Personal and Societal Determinants to Achieve Health Equity, New Orleans, LA, 2020 (Conference cancelled due to Covid-19).

Nevels, M., Braun, R., and Frey, M. Teaching a Health Equity Course at a Midwestern Private University - A Pilot Study. State presentation at the Health Educators' Institute through Ohio SOPHE, October 2019.

Nevels, M., Stephen, B., Saylor, C., Braun, R., and Frey, M. Our World - An Interactive Way to teach the SDH. State presentation at the Health Educators' Institute through Ohio SOPHE, October 2019.

Dunson-Dillard, T., Braun, R., Gilbert, M., and Rusterholz, S. Assessing the Needs: An On-Campus Resource & Food Pantry. State Presentation at the Health Educators' Institute through Ohio SOPHE, October 2019.

Sharif, M., Johnson, R., Morel, J., Noor, H., and Braun, R. Project Youth Street Sense: Understanding the Dangers of Prescription Drugs & Basics of Addiction. State Presentation at the Health Educators' Institute through Ohio SOPHE, October 2019.

Bertke, K., Braun, R., Bray, K., and Taylor, N. Student Roundtable Discussion. State

Presentation at the Health Educators' Institute through Ohio SOPHE, October 2019.

Nevels, M., Stephen, B., Saylor, C., Braun, R., and Frey, M. Our World - An Interactive Way to teach the SDH. Oral Presentation at the 12th Annual Health Disparities Conference, Linking Upstream Determinants to Downstream Interventions - Targeting Health Disparities & Health Equity, New Orleans, LA, 2019.

****Mariah Nevels (student) selected as the John Ruffin Young Investigator Conference Award Winner.**

Nevels, M., Stephen, B., Saylor, C., Braun, R., and Frey, M. Our World - An Interactive Way to teach the SDH. Poster Presentation at the 12th Annual Health Disparities Conference, Linking Upstream Determinants to Downstream Interventions - Targeting Health Disparities & Health Equity, New Orleans, LA, 2019.

Nevels, M., Braun, R., and Frey, M. Teaching a Health Equity Course at a Midwestern Private University - A Pilot Study. Poster Presentation at the 12th Annual Health Disparities Conference, Linking Upstream Determinants to Downstream Interventions - Targeting Health Disparities & Health Equity, New Orleans, LA, 2019.

Banks, S. and Braun, R. Assessing Behaviors and Knowledge of Preventative Breast Cancer Screening Techniques among Somali Women. Poster Presentation at the 12th Annual Health Disparities Conference, Linking Upstream Determinants to Downstream Interventions-Targeting Health Disparities & Health Equity, New Orleans, LA, 2019.

Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)

Braun, R., Nevels, M., and Frey, M. C. (2019). Teaching a Health Equity Course at a Midwestern Private University - A Pilot Study. *International Quarterly of Community Health Education*, 40(3), 201-207.
<https://doi.org/10.1177/0272684X19874974>.

MEGAN E. CHAWANSKY, Assistant Professor
Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)
 Thorpe, H. and Chawansky, M. (2021). Gender, embodiment and reflexivity in everyday spaces of development in Afghanistan, *Gender, Place & Culture*, 28:3, 370-396, DOI: 10.1080/0966369X.2020.1719984.

KRISTY L. MCCRAY, Associate Professor
Community Outreach and Service
 Guest reviewer, *Criminology*.
Sport Management Education Journal, Editorial Board Member, January 2020 - present.
 City of Columbus Police Department's Chief's Advisory Panel, June 2020 - present.
Invited Presentations
 Invited speaker, February 2021. Let's Get Humble: Using Cultural Humility in Diverse Work Spaces. Graduate School Lecture Series, Otterbein University, Westerville, OH.
Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)
 McCray, K., and Taylor, E. (2021). "I learned that sports teaches rape culture": Assessing sexual violence prevention education for intercollegiate athletes. *Journal of Intercollegiate Sport*, 14(1), 46-65.

SHELLEY S. PAYNE, Associate Professor
Honors and Awards
 2021 recipient of the Ohio Athletic Trainers' Association Linda Weber Daniel Outstanding Mentor Award.
Invited Presentations
 Invited Speaker American Osteopathic Academy of Sports Medicine Regional Conference. March 2021.
Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)
 Payne, S. (2021). Using an e-portfolio system to evaluate student learning outcomes and to foster more self-direction within the curricula. *International Journal for Self-Directed Learning*, 18(1).

ASHLEY C. SIMONS, Assistant Professor
Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)
 Simons, A.C., McHugh, K.M., Appling, S., Harris, S.L. and Burgoon, J.M. (2021), Instructional Approaches: Anatomy Education of Physical Therapists. *Anatomical Sciences Education*.
<https://doi.org/10.1002/ase.2037>.

DEPARTMENT OF HISTORY & POLITICAL SCIENCE

ANTHONY R. DESTEFANIS, Associate Professor
Community Outreach and Service
 Taught a course titled The Civil Rights Movement & Mass Incarceration at Marion Correctional Institution during spring semester 2019. This course combined Otterbein and incarcerated students and was offered as part of Otterbein's Prison Education Initiative.
 Co-taught a Summer Seminar on the Humanities with seven other Otterbein faculty and staff during summer 2019 at Marion Correctional Institution. Co-partnered with Kathryn Plank to offer the section of the course on history and literature.
Peer-Reviewed Presentations and Posters
 "The Origins of the National Guard: How the Colorado National Guard Became a Strikebreaker." Pennsylvania Historical Association Conference, October 18, 2019.

RACHEL A. SCHWARTZ, Assistant Professor
Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)
 Schwartz, Rachel A. 2021. "How Predatory Informal Rules Outlast State Reform: Evidence from Postauthoritarian Guatemala." *Latin American Politics and Society* 63(1): 48-71. DOI: <https://doi.org/10.1017/lap.2020.32>.

COURTRIGHT MEMORIAL LIBRARY

JANE H. WU, Professor

Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)
Wu, Jane, et al. "Research on the Cultivation of False Information Identification Ability of Users by University Libraries at Home and Abroad." *Journal of Academic Library and Information Science*, Vol. 39 No. 1. January 2021. P. 23-27.

DEPARTMENT OF MATHEMATICS & ACTUARIAL SCIENCE

KIRK T. KAYSER, Assistant Professor

Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)
Kayser, K. and Lampert, A., 2021. Survivor's dilemma: The evolution of cooperation in volatile environments. *Journal of Theoretical Biology*, 516, p.110603.

DEPARTMENT OF MODERN LANGUAGES & CULTURES

AMY E. SHEERAN, Assistant Professor

Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)
Braschi, Giannina and Joakim Lindengren. *United States of Banana: A Graphic Novel*. Ed. Amanda M. Smith and Amy Sheeran. The Ohio State University Press, March 2021. The graphic novel is an adaptation of Braschi's groundbreaking post-9/11 Latinx novel *United States of Banana*, and the illustrations by the award-winning Swedish artist Lindengren provide new depth with visuals that span art history, popular culture, and political cartoons. Sheeran and Smith edited the volume, wrote a critical introduction, and provided pedagogical scaffolding for the volume to be used in the classroom. The book is an exciting addition to both Latinx literature and graphic narrative. The publication also coincides with a new critical anthology on Braschi's work, which promises to generate even more interest in the book.

DEPARTMENT OF MUSIC

LINDA KERNOHAN, Part-Time Faculty

Artistic Exhibits and Performances
"Sandy Songs," a composition by Kernohan was performed on a recital by baritone Daniel Neer, who visits Otterbein annually for an artist residency. The composition is a setting of lyrics by Neer that explores the effects of Hurricane Sandy on New York City and includes five songs – one for each of the city's five boroughs. Kernohan was also named 2021 composer-in-residence of the Ohio State University Symphony, and is currently writing a piece for the orchestra to premiere in October.

GAYLE A. WALKER, Professor

Community Outreach and Service
"The Healing Choir," lecture presented to Otterbein's Lifelong Learning Community, November 9, 2020.
Initiated an ongoing reading group at Westerville Community United Church of Christ, "Living 'Love Thy Neighbor,'" a group dedicated to reading books about social injustices, followed by creating action plans to respond to injustice in our community.

DEPARTMENT OF NURSING

REGINA F. PRUSINSKI, Associate Professor

Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)
Reviewer, *Nursing Skills* textbook. Open RN, (2021). XanDu ISBN 978-1-73491-413-9.

TENURE AND PROMOTION REVIEWS

The following faculty went through the faculty review process during fall semester 2020 and were subsequently approved by the Board of Trustees at the February 2021 meeting.

Tenure and promotion will be effective beginning fall semester 2021.

PROMOTION TO FULL PROFESSOR

Jennifer Merkowitz, Department of Music

Shelley Payne, Department of Health & Sport Sciences

Paul Wendel, Department of Education

Rebecca White, Department of Theatre & Dance

TENURE

Lori Kay Harvey, Department of Music

Barry Wittman, Department of Engineering & Computer Science

TENURE AND PROMOTION TO ASSOCIATE PROFESSOR

Kristina Escondo, Department of Modern Languages

Pei Pei, Department of Mathematics & Actuarial Science

SABBATICAL ABSTRACTS, ACADEMIC YEAR 2021-22

(note: these are the 2020-21 sabbatical projects that were delayed by one year due to the pandemic and budget constraints)

Kyriacos Aristotelous (Business, Accounting and Economics, spring 2022)

Aristotelous will work on a research project that will culminate in a manuscript which will be submitted for publication to a refereed journal. The proposed project will attempt to contribute to our understanding of how livestock production influences greenhouse-gas emissions.

Steffanie Burk (Equine Science, fall 2021)

Burk's first goal of this proposal is to become certified as an Advanced Therapeutic Riding Instructor, which will permit her to oversee student teaching in the Equine-Assisted Activities and Therapies minor. The second goal is to publish at least two peer-reviewed journal articles using data collected during previous research studies.

Sue Butz (Nursing, spring 2022)

Butz will write/submit an article with coauthors, Drs. Patricia Keane and Alicia Ribar, comparing an osteoporosis screening tool with bone density; attend the American Association of Critical Care Nurses, National Teaching Symposium for continued certification; and attend End of Life Nursing Education Consortium workshop.

Dennis Davenport (Music, spring 2022)

Davenport will compose music for a one-act opera entitled "First Encounters: Cole Porter Meets Rodgers & Hart," with libretto by Sarah Davenport (spouse). The opera will be produced by Otterbein Opera Theatre.

Kim Fischer (Health and Sport Sciences, fall 2021)

Fischer will secure a certification in exercise training cancer survivors/those currently in treatment. Knowledge and skills gained will be added to her course content in an Exercise Science and Health Promotion major class. Fischer will also write a document for others "touched" by this

disease as a guide to complementary/conventional therapy for cancer.

Carrie Hayes (Chemistry, spring 2022)

Hayes' project addresses two objectives: 1) complete a computational research project exploring lignocellulosic biofuel chemistry, supplementing and writing up past Otterbein student research, and 2) examine the overlap of science and literature via examination of poetry centered on chemical themes, developing materials for Otterbein coursework.

Jonathan Johnson (Art and Art History, spring 2022)

Johnson will create a suite of related photographs and films that use experimental and autobiographical documentary methodologies to examine his mixed Scandinavian-Asian heritage in Norway. This work will also thread together explorations of local economic and cultural traditions including their efforts to eliminate the concept of time.

Hyuk Kim (Business, Accounting and Economics, spring 2022)

Kim will conduct research on Western multinational corporations' non-market strategies in Asian Emerging Markets. Kim will attend an international conference and present a conceptual paper on the subject matter. He will then develop a manuscript to submit to a peer-reviewed International Business Strategy journal.

Lenny Leibowitz (Theatre and Dance, spring 2022)

Leibowitz will prepare and perform a benefit concert for Otterbein Summer Theatre and additionally create an exciting new Integrative Studies course dedicated to the "Search for the Sublime" in nineteenth century Romanticism. His piano skills are absolutely central to his work; developing them will greatly benefit his scholarship and the university.

Bruce Mandeville (Equine Science, spring 2022)

Mandeville's project will address two objectives:

- 1) A book project in collaboration with a PT and veterinarian. The inter-relationship between physiological responses to training techniques will be described and well-researched, aimed at educating adult amateur equestrians, and 2) The development/launch of a company involved in equine biomarker predictive modeling with an expert in the field.

Grace McDaniel (Education, spring 2022)

McDaniel will engage in research that will result in compiling resources and constructing a format for engaging faculty and practicing teachers in a professional learning community around culturally responsive teaching. The purpose of the learning community is to share, review and revise syllabi to meet the culturally responsive framework.

Jeremy Moore (Mathematics & Actuarial Science, fall 2021)

Moore will continue projects from his current research, which involve algebraic structures called rings. Specifically, Moore plans to explore connections between invertibility and linear independence regarding these structures. Together with a colleague at Eastern Kentucky University, he hopes to produce a publishable result in this little-researched area of mathematics.

Adriana Nenciu (Mathematics & Actuarial Science, spring 2022)

Groups are mathematical objects used to describe symmetry. The character table of a finite group has applications in physics, coding theory, crystallography, and chemistry. Nenciu's sabbatical research will lead to important advances in understanding groups known as groups of central type. New discoveries will be presented in a published paper or at a research conference.

Stephanie Patridge (Religion and Philosophy, spring 2022)

Patridge will work to complete final drafts of 1) "Digital Narratives, Interactivity, and Somaesthetics," and 2) an invited essay for a special issue of the Journal of the Philosophy of Sport on Thi Ngyuen's Games: Agency As Art (Oxford University Press, 2020).

Regina Prusinski (Nursing, fall 2021)

Prusinski proposes a quasi experimental project to utilize lecture based education to adult professional learners to evaluate the current degree of agreement or identification reliability of bedside registered nurses and advance practice nurses regarding the identification of low cardiac output syndrome in a pediatric cardiothoracic intensive care unit.

David Robertson (Physics, fall 2021)

Robertson will develop a full suite of computational projects for all core upper-level physics courses, in support of an ambitious departmental initiative to incorporate programming and numerical simulation across the physics curriculum. The department's goals are to develop essential skills for practicing scientists, and to foster deeper insight into fundamental principles.

Diane Ross (Education, fall 2021)

Ross will travel to South Africa to work with The African Storybook Project and the publication of young adolescents stories in a digital collaborative. Ross will analyze and publish the research from a two year Fulbright Grant entitled: Increasing retention of young adolescent girls in schools in West Nile by increasing their Developmental Assets through a Comprehensive Program of Empowerment which includes: Menstrual Hygiene Management, Sexual Reproductive Health and Personal Narrative Writing.

Patrick Stone (Theatre and Dance, fall 2021)

Stone intends to complete the certification for Theatrical Rigger through the Entertainment Technician Certification Program (ETCP). This certification culminates in an intensive exam which is recognized by the American National Standards Institute (ANSI) as the definitive evaluation of knowledge and skill of professional theatre riggers.

Jane Wu (Courtright Memorial Library, spring 2022)

Wu will work on research to evaluate the needs of faculty and students in the Otterbein's study abroad program and the 3+2 joint education program with Shanghai Publishing and Printing College (SPPC) to implement customized library resources and services to these users. The research is titled: Academic Librarian's Role in Institution's Internationalization Efforts.

Michael Yonchak (Department of Music, spring 2022)

Performing Frank Zappa's music is a rewarding experience, but only a small amount of his music is available to the general public for performance. Zappa's music contains interesting excerpts for hobbyists and professional musicians alike. To address this need, Yonchak will compile and eventually publish an authorized volume of percussion excerpts.

FACULTY SCHOLAR DEVELOPMENT COMMITTEE

FSDC INTERNAL GRANTS

FSDC provides funds to support full-time faculty at all levels of career development in scholarly and artistic activities related to their work at Otterbein University. These grants are primarily intended for the enhancement of the professional activities of faculty; specifically, research, artistic projects, and publications.

JENNIFER BENNETT, Biology & Earth Science

JOHN TANSEY, Chemistry

Detection of Protein-Protein and Protein-Small Molecule Interactions Involved in Bacterial Development (\$2,000)

The goal of the proposed research is to detect and characterize protein-protein and protein-small molecule interactions to further elucidate the vital cyclic di-GMP signaling pathway of bacteria. In order to obtain new data for this pathway, proteins from the pharmacologically important *Streptomyces* bacteria will be used for all experiments using a cutting-edge technique called Surface Plasmon Resonance (SPR). SPR uses principles in physics to assess the binding affinity and kinetics for each interaction. An increased understanding of the cyclic di-GMP pathway in *Streptomyces* will also be important for understanding this pathway in other bacteria, including those that cause disease.

JOAN ESSON, Chemistry

LC-MS Analysis of Dyes Used in Historic Textiles (\$1500)

The analysis of dyes in historic textiles is important to determine the location of their production, production method and history of the object. The identification of dyes can also aid in conservation efforts. In Esson's research laboratory, participants will study if plant species used as a source of the blue dye indigo can be identified using a technique called liquid chromatography-mass spectrometry (LC-MS).

CARRIGAN HAYES, Chemistry

Investigating acid-base behaviors in compound pairs with implications for pharmaceutical chemistry (\$1000)

The acid-base behaviors of compounds with implications for pharmaceutical chemistry are currently under investigation in the Johnston Lab (experimentally) and Hayes Lab (computationally). Computational chemistry methods can efficiently model the energetics and molecular behaviors of chemical compounds. Otterbein's access to one such computational chemistry software package, named Spartan, has facilitated research progress for both students and faculty, even in Summer 2020's unusual circumstances. Access to that software may be cut off starting in late September without a site-license renewal.

ERICA VAN DOP, Health & Sport Sciences

Characteristics of Participation in a Workplace Physical Activity Program (\$1000)

The aim of the study is to determine health, lifestyle and work-related characteristics (Robreok et al., 2009) of individuals who volunteer to participate in university workplace health promotion physical activity programs as compared to employees whom choose not to participate. Developing an understanding of whom engages in physical activity programs within the workplace and why, will inform workplace physical activity efforts with the distal goal of impacting the growing public health crisis of sedentary behavior and the development of chronic disease. Variables of interest related to participation include perceived health status, physical activity patterns, motivations to exercise, and demographics.

JANE WU, Courtright Memorial Library
Using Curriculum Mapping as a Tool to Integrate the Information Literacy and Evidence-Based Research in Nursing Curriculum (\$834)

Increasing competency in Evidence-based practice (EBP) demands an underlying understanding of how to access relevant research, critically appraise available research, and use appropriate criteria for determining the validity and applicability of research

findings. Hence, increasing competency in information literacy (IL) is the foundation for evidence-based practice, although often neglected. In order to strengthen competency in information literacy and evidence-based research, in nursing curriculum, this research is to investigate how to use curriculum mapping as a curriculum-integration tool to systematically incorporate the components of information literacy in the teaching of EBP.

FSDC HIGH IMPACT GRANT

The High Impact Grant provide funds to support a full-time faculty member at any level of career development in the scholarly and artistic activities related to their work at Otterbein University.

This grant is primarily intended for the enhancement of the professional activities of faculty; specifically, research, artistic projects, and publications.

***Not awarded in 2020-21.*

COURSE RELEASE GRANT

The Otterbein FSDC Course Release Grant provides funds to support one course release for full-time faculty at all levels of career development engaged in scholarly and creative work activities related to their work at Otterbein University. Release grants typically provide one course release per project.

ALLISON McGRATH, Education
Creating Sustainable Practices to Diversify the Teaching Workforce

The Ohio Department of Education Human Capital Grant (October 2019 – March 2021) seeks to diversify the teacher workforce through a collaborative initiative with P-16 partnerships. The goal is to create a sustainable pathway for ethnically, racially,

and linguistically diverse (ERLD) students from 'high school to hiring.' While many deliverables have been created with this funding, ODE stipulates that the initiative extend beyond the grant period. Given the sudden departure of a co-PI for the Human Capital grant, this course release will enable completion of the sustainability component of the Human Capital grant.

INTERNATIONAL COLLABORATIVE FACULTY ENRICHMENT GRANT

The Otterbein University Faculty Collaborative International Enrichment Grant is designed to expand faculty members' international learning, awareness, and experience, both for the potential enhancement of the curriculum and for their own intellectual enrichment. Although global learning can be meaningfully addressed in a local or broader national context, the purpose of these grants involves the travel, collaboration, and immersion of a team in a context outside of the United States.

***Not awarded in 2020-21 due to pandemic travel restrictions.*

EXTERNAL GRANT AWARDS – OFFICE OF GRANTS AND SPONSORED PROGRAMS (OGSP)
Submitted by Bridgette Cahalin, Development Associate

External grants for Otterbein University range widely from research to academic studies to community education. Faculty and administrators pursue grants to support the mission of Otterbein, enhance faculty achievement and student learning, and strengthen social justice in the central Ohio community. Otterbein faculty and administrators have received five grants totaling \$1,220,276 since the last update in January 2021. New CARES Act funding brought an additional \$3,398,013. OGSP awaits word on the funding status for six proposals that have been submitted to funders, totaling \$1,977,820.

CARES Act grant activity

ANNE KRIEGER, Controller

BRIDGETTE CAHALIN, Development Associate

CARES Act – Coronavirus Relief Fund (CRF) support was received from the US Department of Higher Education **Higher Education Economic Relief Fund II** in the amounts of \$2,216,688 for the institution and \$1,127,643 for students. This award will make possible the award of emergency grants to students, the purchase of COVID-19 tests, personal protective equipment, sanitation supplies, distance learning support, and housing reimbursements to students sent home due to the shelter in place order.

ANNE KRIEGER, Controller

KRISTY DROBNEY, Director, Academic Support Center

With support from OGSP, Otterbein received an award from the Ohio Department of Higher Education **Governor's Emergency Education Relief (GEER) Funds** provided to the state as part of the **CARES Act Higher Education Mental Health Support** in the amount of \$53,682. A multi-disciplinary team has agreed to work toward improving awareness of CARES support options, including Wendy Sherman Heckler, Dawn Stewart, James Prysock, and Tracy Benner. This portion is used for funding the hiring of an Accessibility Consultant for the Academic Support Center.

Foundation Grants Awarded

Dennis Davenport, Professor, Music

The Johnstone Fund for New Music through The Columbus Foundation has awarded Otterbein \$1,000 for the proposal titled "Premiere of POLAR BEAR at Otterbein University" to support the commission Polar Bear, a ten-minute collaborative chamber work for baritone voice and trombone. The work explores the nexus of music and activism, depicting a polar bear searching the Arctic for food as the ice slowly melts away.

Melissa Gilbert, Associate Dean, Center for Community Engagement

Administered by The Columbus Foundation, **The Urban Garden Grant** program has awarded the CCE a \$3,000 for The Otterbein Community Gardens to: 1) increase access to local and nutritious produce for Westerville and Otterbein community members; 2) provide youth programming to raise awareness; and 3) create a new social enterprise to provide a sustainable framework for the garden to extend the growing season.

McAllister & Quinn – Grants Awarded and Recognition

Otterbein applied for one grant requesting a total of \$1,185,537 with support from the Washington, D.C. grants consulting firm, McAllister & Quinn.

JEFF SMITH, Professor, Mathematics

The National Science Foundation (NSF) Robert Noyce Teacher Scholarship Program,
Recruiting and Preparing Undergraduate Mathematics Majors for Teaching Careers in Urban High Need Schools (M2USE)

The Noyce Program provides funds to attract students to STEM, and (in particular) to teach in STEM, with our focus on Mathematics. The main thrust of the program will involve creating an urban strand for teacher education in a partnership with Columbus City Schools. The three primary objectives include: 1. Address the shortage of highly qualified mathematics teachers, particularly in urban, high-need schools; 2. Improve academic achievement of local schools, by meeting statewide, standardized indicators of success in mathematics; and 3. Increase the number of calculus-ready students graduating from local schools.

HHMI GRANT UPDATE:

JOHN TANSEY, Professor, Chemistry/BMB

KATHRYN PLANK, Associate Provost for Curriculum, Teaching & Learning, and Mission/ Associate Professor, Education

Otterbein has been chosen as one of 108 institutions for the **second phase of the Hubert Humphrey Medical Institute (HHMI)'s Science Education Inclusive Excellence 3 (IE3) Program**. As originally designed, Otterbein would be eligible for a full application for \$1,000,000 toward our science education programs. However, HHMI has chosen to extend the length of the program and awarded Otterbein \$30,000 for Phase 1 of the IE3 Learning Community program.

State Grants Awarded

KRISTIN COLE, Associate Professor, Library

The State Library of Ohio, with funding provided by the Institute of Museum and Library Services, has awarded Otterbein's Courtright Memorial Library a **Library Services and Technology Act (LSTA)** grant for the Celebrating Ohio Book Awards & Authors (COBAA) grant program in the amount of \$639. This funding allows the Courtright Memorial Library to: 1) Increase the diversity of the main circulating collection in the areas of African American experience and culture, international stories, mental and emotional health, and women's and LGBTQIA+ stories; 2) Increase the juvenile and young adult collections; and 3) Increase the campus community's awareness of these topic areas and materials through marketing and programming.