

Otterbein University

Digital Commons @ Otterbein

Faculty Achievement Reports

Faculty Scholarship

2-2020

Faculty Achievements, February 2020

Otterbein University

Follow this and additional works at: <https://digitalcommons.otterbein.edu/achievements>



Part of the [Educational Assessment, Evaluation, and Research Commons](#), and the [Scholarship of Teaching and Learning Commons](#)

Faculty Achievements, February 2020 Report

OFFICE OF ACADEMIC AFFAIRS

WENDY R. SHERMAN HECKLER, Provost and Sr. Vice President/Professor in the Department of Education

KATHRYN M. PLANK, Interim Associate Vice President for Academic Affairs/Associate Professor in the Department of Education/Director of the Center for Teaching and Learning

Peer-Reviewed Presentations and Posters

Plank, K.M., Smith, J., Sherman Heckler, W., McClanahan, T. (2019, November). *Bridging between worlds: College and high school faculty learning together*. Presentation given at the Annual Professional and Organizational Development (POD) Network Conference, Pittsburgh, PA: November 13-17.

DEPARTMENT OF ART AND ART HISTORY

JIM U. BOWLING, Professor

Artistic Exhibits and Performances

Artist in Residence, Creta Rome, April 24-May 28, 2019.

Exhibition at the gallery of Creta Rome, May 21-28, 2019.

Inclusion in a retrospective of resident artists at Creta, as part of RAW: Rome Art Week. (PAST & PRESENT II: 7 YEARS OF ARTIST RESIDENCIES @C.R.E.T.A. ROME, <https://romeartweek.com/en/events/?id=2423&ida=541>).

One of the invited artists for the exhibition, "Lip, Body, Foot: A Cup Shaped Thing," addressing multiple perspectives on the cup form at Blockfort Gallery, Columbus, OH. (<https://www.columbusunderground.com/event/lip-body-foot-opening-reception> and <https://www.columbusalive.com/entertainment/20191015/find-yourself-in-cups-at-blockforts-lip-body-foot>).

Invited artist for exhibition, "Figuring Our Humanity" at the Ross Art Museum, Delaware, OH, October 31, 2019-February 9, 2020. (<https://www.dispatch.com/entertainment/20191222/visual-arts--ohio-wesleyan-exhibits-highlight-human-body-how-we-adorn-it> and in

Ceramics Monthly January 2020 edition [editorial]).

Sabbatical exhibition, Miller Gallery, 33 Collegeview Rd., entitled, "Provocator;" exhibition run January 13-February 14, 2020.

AMY E. JOHNSON, Associate Professor

Peer-Reviewed Presentations and Posters

"Travel To Learn, Learning To Travel: Creating Meaningful Teaching And Learning Experiences During Short-Term Travel Courses." Paper co-authored with Professor Jim Bowling, SECAC Annual Conference, Chattanooga, TN, October 2019.

"The End of the Textbook? Pedagogy and Digital Art History." Paper co-authored with Professor Allen Reichert, Digital Art History: Methods, Practices, Epistemologies II International Conference, Institute of Art History & University of Zagreb, Zagreb, Croatia, November 2019.

DEPARTMENT OF BIOLOGY AND EARTH SCIENCE

JENNIFER A. BENNETT, Associate Professor

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

Bennett, J., and Saunders, C. 2019. A virtual tour of the cell: impact of virtual reality on student learning and engagement in the stem classroom. *J. Microbiol. Biol. Educ.* 20(2): doi:10.1128/jmbe.v20i2.1658.

Saunders, C. P., and J. A. Bennett. 2019. The Immersive Experience-How Virtual Reality Can Support Student Learning. *Educational Media and Technology Yearbook*, vol. 42, ch. 6, pg. 57-66.

ELIZABETH V. BERKELEY, Assistant Professor

Peer-Reviewed Presentations and Posters

McFarland*, J. L., Berkeley, E. V., and S. Gibson. Environmental Factors' Effects on Eastern gray squirrel (*Sciurus carolinensis*) Infant Populations and Health. Ohio Wildlife Rehabilitation Association, Dublin, OH, 2019.

*denotes Honors Student

Berkeley, E.V., Ganswindt, A., and S. Hensman. Glycemic Response of Semi-Free Ranging

African Elephants to Seasonal and Provisioned Diets. International Elephant Foundation, Zebula, Limpopo, South Africa, 2019.

Grotto, C.E., Berkeley, E.V. and A. Ganswindt. Physiological and behavioural measure of animal welfare in relation to semi-captive African Elephant (*Loxodonta africana*) interaction programs. International Society for Wildlife Endocrinology, Kruger National Park, South Africa, 2019.

BRANDON T. SINN, Assistant Professor
Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)

Sinn, B. T. and C. F. Barrett. 2019. Ancient Mitochondrial Gene Transfer between Fungi and the Orchids. *Molecular Biology and Evolution*. (Advanced online publication, prior to inclusion in January 2020 issue). *Molecular Biology and Evolution* is a high-impact scientific journal that is ranked within the top five journals for the following disciplines: Biochemistry and Molecular Biology (5th of 298 journals), Genetics and Heredity (4th of 173), and Evolutionary Biology (2nd of 50).

KEVIN D. SVITANA, Associate Professor

Invited Presentations

Invited to organize, present and moderate panel presentations at The National Groundwater Association's Groundwater Week, Las Vegas, NV, December 2-6, 2019. This conference/trade show is attended by more than 7,000 groundwater professionals. Panel discussions and Svitana's role included:

- Groundwater Remediation: Historical Perspectives and Technological Advances, lead moderator.
- Sustainability and It's Impact for Recruiting Millennial's, lead moderator and presenter.
- PFAS: The Professionals Challenge, lead moderator and presenter.

ANDREW J. WENDRUFF, Adjunct Faculty
Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)

"A Silurian ancestral scorpion with fossilized internal anatomy illustrating a pathway to

arachnid terrestrialsation." *Scientific Reports*. January 16, 2020.

ANNA M. YOUNG, Associate Professor
Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)
Jackson, K., Young, A.M. and J. Ayala. 2019. Social interactions and the role of kin recognition within juveniles of a solitary species, the giant panda (*Ailuropoda melanoleuca*). Invited submission to a special edition of the *Journal of Zoo and Aquarium Research* 7(4): 179-185.

DEPARTMENT OF BUSINESS, ACCOUNTING AND ECONOMICS

YIYUAN "AVA" LIU, Associate Professor
Community Outreach and Service
Session Chair, Digital Marketing Session of 41st INFORMS Marketing Science Conference 2019, University of Roma Tre, Rome, Italy.

Invited Presentations

Invited to host a two-day workshop, "Smart with Data-Skills and Trends in Marketing Analytics" (2019), Undergraduate and Postgraduate summer workshop series, Business School of Sichuan University, China.

Peer-Reviewed Presentations and Posters

Liu, Yiyuan (2019), "When Online 'Brokers' Go Social-Drivers of User Engagement on Deal Sharing Websites," (with W. Li), 41st INFORMS Marketing Science Conference, 2019, Rome, Italy.

KWAME O. CHRISTIAN, Adjunct Faculty

Community Outreach and Service

Selected as a LinkedIn Learning Instructor to create a negotiation and conflict resolution course.

DEPARTMENT OF CHEMISTRY

JOAN M. ESSON, Professor

Community Outreach and Service

Re-appointed to the national Committee on Membership Affairs of the American Chemical Society (ACS) by ACS President Luis Echegoyen.

Invited Presentations

Esson, J. M. Research at the Interface of Chemistry & Art. Invited presentation to the Columbus Section of the American Chemical Society, November 20, 2019.

Peer-Reviewed Presentations and Posters

Esson, J. M., Chen, V. J., Smith, G. D. Studies on the Central American dyestuff *Justicia spicigera*. Dyes in History and Archaeology-38th meeting, Amsterdam, Netherlands, November 7-8, 2019. This talk was one of only 25 international submissions selected for an oral presentation.

DEAN H. JOHNSTON, Professor

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

Crystal structures and hydrogen-bonding analysis of a series of solvated ammonium salts of molybdenum(II) chloride clusters, Johnston, D. H., and Agho, I. *Acta Cryst.* 2019, E75(11), 1705-1711. Published November 2019, the paper summarizes an undergraduate research project completed with Ike Agho ('14) and supported by a grant from the National Science Foundation.

DEPARTMENT OF COMMUNICATION

KERRY L. STRAYER, Associate Professor

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

"The Goal at the End of the American Dream: Talking about Work, Retirement, and Marriage," in Lori West Peterson and Christine Elizabeth Kiesinger (Eds), *Narrating Midlife: Crisis, Transition, and Transformation*, (Lanham, MD: The Rowman & Littlefield Publishing Group, Inc., 2019). Book chapter.

COURTRIGHT MEMORIAL LIBRARY

ALLEN REICHERT, Professor

Community Outreach and Service

Planning Committee, Fall 2019 Conference
American Libraries Association of Ohio.

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

Review of "The right to parody: comparative analysis of copyright and free speech" by Amy Tak-Yee Lai in *Choice* 57, n 1, 2019.

Peer-Reviewed Presentations and Posters

Elizabeth Zeitz and Allen Reichert, "Trial-palooza!- Using Resource Trials to Collaborate With and Educate Faculty on the Value of Libraries," October 2019 ALAO Conference.

JANE H. WU, Professor

Peer-Reviewed Presentations and Posters

Wu, Jane. (2019 October 18). *Evidence Based Research to Evidence Based Practice: A Review of Models and Frameworks from a Health Science Librarian's Perspectives*. Paper presented at Academic Library Association of Ohio (ALAO) Annual Conference Presentation, Columbus, OH.

DEPARTMENT OF EDUCATION

PAUL J. WENDEL, Associate Professor

Community Outreach and Service

Serving on the American Association of Colleges & Universities (AAC&U) Project Kaleidoscope Advisory Board, whose mission is advancement of postsecondary STEM education. November 2019-present.

DEPARTMENT OF ENGINEERING

BARRY J. WITTMAN, Associate Professor

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

Serves as a principal investigator for a five-year Choose Ohio First grant from the Ohio Department of Higher Education awarded to Otterbein University on November 25, 2019 in the amount of \$272,661.48 to support student scholarships in computer science and related fields.

DEPARTMENT OF ENGLISH

PATRICIA A. FRICK, Professor

Invited Presentations

Chaired a panel on "Neo-Victorian Fiction's Medial Self-Reflections" at the annual conference of the North American Victorian Studies

Association, Columbus, OH, October 17, 2019, hosted by The Ohio State University. As part of the conference, students in Frick's Literary Studies seminar on The Victorian Novel also presented a poster on "Shame in Victorian and Neo-Victorian Fictions: From Jane Eyre to #MeToo" at the Undergraduate Poster Session.

DEPARTMENT OF EQUINE SCIENCE

STEFFANIE V. BURK, Associate Professor
Community Outreach and Service
Completed Level 3 Certified Special Olympics Coach Training.

DEPARTMENT OF HEALTH AND SPORT SCIENCES

KRISTY L. MCCRAY, Assistant Professor
Community Outreach and Service
Sport Management Education Journal, Editorial Board Member, January 2020-present.
Invited Presentations
Guest lecturer, November 2019. *Sexual Violence in College Athletics*. KNSISM 5614: Sport and Sexuality, The Ohio State University, Columbus, OH.
Peer-Reviewed Presentations and Posters
McCray, K. (2020, January). *Shut up and listen: A White educator's starter guide for learning about Black (student) athletes*. Presentation at the Black Student Athlete Summit, Austin, TX.
Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)
McCray, K. L. (2019). Sexual Assault and Intercollegiate Athletes. In W. O'Donohue & P. Schewe (Eds.), *Handbook of Sexual Assault and Sexual Assault Prevention* (733-744). New York, NY: Springer.
Taylor, E. A., Jones, G., McCray, K., & Hardin, R. (2019). Creating ethical decision makers: The influence of education on perceptions of sexual harassment and sexual assault. *Sport Management Education Journal*, 13(2), 73-82.

DEPARTMENT OF MODERN LANGUAGES AND CULTURES

VICTORIA V. FRISCH, Adjunct Faculty
Invited Presentations
"Successfully Utilizing Engagement Technologies."
Presentation of Frisch's Senior Year Experience course, "Silence and the Golden Years" (SYE 4407) at Franklin University's "Innovations In Teaching and Learning" Conference, October 18, 2019. SYE 4407 allowed Otterbein seniors to bring service projects to the Deaf and Deaf-Blind senior citizen residents of Columbus Colony Housing, located on Sunbury Road in Westerville.

DEPARTMENT OF MUSIC

GAYLE A. WALKER, Professor
Artistic Exhibits and Performances
World premiere of "Refugee," a music composition by Gayle Walker for SATB chorus, cello, and piano; November 17, 2019 at Westerville Community United Church of Christ; featuring Concert Choir, cellist Holly Rundle '20, staff accompanist Tony Hagood, and Dr. Walker, conductor. The premiere represented the culmination of Dr. Walker's spring 2019 sabbatical project.
Invited Presentations
Invited to present "Refugee: The Compositional Process" to the Lifelong Learning Community, November 10, 2019.
Invited Presentations
Guest conductor of the 2019 Ohio Capital Conference Honor Choir-comprised of 250 of the best high school singers in Columbus.

DEPARTMENT OF PHYSICS

DAVID G. ROBERTSON, Professor
Peer-Reviewed Publications (Books, Book Chapters, Journal Articles, or Book Reviews)
S. P. Martin and D. G. Robertson, "Standard Model Parameters in the Tadpole-Free Pure MSbar Scheme," *Phys. Rev. D100* (2019) no.7, 073004. Includes public computer code.

DEPARTMENT OF PSYCHOLOGY

MEREDITH C. FREY, Professor

Peer-Reviewed Publications (Books, Book

Chapters, Journal Articles, or Book Reviews)

Frey, M.C. (2019). What we know, are still getting wrong, and have yet to learn about the relationships among the SAT, intelligence, and achievement. *Journal of Intelligence*, 7, 26.

DEPARTMENT OF RELIGION AND PHILOSOPHY

ANDREW P. MILLS, Professor

Non-Peer-Reviewed Publications (Books, Book

Chapters, Journal Articles, or Book Reviews)

"Teaching Philosophy as Doing Philosophy," co-authored with Alexandra Bradner. *The Philosophers Magazine*. Issue 85, May 15, 2019. pp. 96-102.

<https://www.philosophersmag.com/essays/202-doing-philosophy-as-teaching-philosophy>

Peer-Reviewed Publications (Books, Book

Chapters, Journal Articles, or Book Reviews)

"Letting Students Choose: Investigating the Menu Approach to Student Work." *AAPT Studies in Pedagogy*, Vol 2 (2019): From Research to Learning, pp. 68-88.

DEPARTMENT OF SOCIOLOGY, CRIMINOLOGY AND JUSTICE STUDIES

CARLA R. CORROTO, Associate Professor

Peer-Reviewed Presentations and Posters

"Spacial Justice: Intersecting inequalities in architecture." Research presentation and workshop facilitator at the Race, Space, and Place Initiative-Datum 2019, in Richmond, VA, November 15-16, 2019.

MELISSA K. GILBERT, Associate Dean, Experiential Learning/Instructor

Community Outreach and Service

Research Chair, NASPA CLDE (Civic Learning and Democratic Engagement) Knowledge Community.

Peer-Reviewed Presentations and Posters

Dunson-Dillard, T., Braun, R., Gilbert, M., & Rusterholz, S. October 2019. Assessing the Needs: An On-Campus Resource & Food Pantry. Poster Presentation. Health Educators' Institute: Navigating Health Equity. Ohio Society for Public Health Education (SOPHE). Cambridge, OH.

Service Learning Course Projects

INST 2006: Dimensions of Culture and Society.

Students volunteered weekly and conducted ethnographies of community sites at area schools and non-profits.

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

PI, Otterbein Women's Leadership Network, The Women's Fund of Central Ohio: \$8500.

Co-PI with Jaymi Green, MLK Legacy Service Project, Serve-OHIO: \$2000.

LEESA J. KERN, Associate Professor

Peer-Reviewed Presentations and Posters

"Tending the Hearth: Religiosity among Neo-Pagans." Research presentation from Fall 2018 sabbatical at the annual meetings of the Society for the Scientific Study of Religion, St. Louis, MO, October 27, 2019.

DEPARTMENT OF THEATRE AND DANCE

T.J. GERCKENS, Associate Professor

Artistic Exhibits and Performances

Lighting Design for *The Steadfast Tin Soldier*,

adapted and directed by Tony Award and

MacArthur Foundation "Genius" Award

recipient, Mary Zimmerman, The Lookingglass

Theatre Company, Chicago, IL, November

2019.

Honors and Awards

Winner of the 2019 Theatre Bay Area award for

Outstanding Lighting Design-*Tier 1 for*

Metamorphoses at Berkeley Repertory

Theatre.

EXTERNAL GRANT AWARDS - OFFICE OF GRANTS AND SPONSORED PROGRAMS (OGSP)
Submitted by Diane Nance, Director and Bridgette Cahalin, Development Associate

Otterbein faculty and administrators have received five grants totaling \$329,516 since our last update. Ranging 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. We await word on the funding status for eight proposals we have submitted to funders, totaling \$1,465,712.

McAllister & Quinn Proposals

In partnership with McAllister & Quinn the Washington, DC consulting firm, three proposals are in preparation for submission:

Howard Hughes Medical Institute, Institutional Excellence 3 Program, pre-proposal due January 14, \$1,000,000 over 5 years. Professor John Tansey (Biochemistry) and Dr. Kathryn Plank, Interim Associate VP Academic Affairs and Director, Center for Teaching and Learning, lead a team that includes Associate Professor Jennifer Bennett (Biology & Earth Science), Associate Professor Carrigan Hayes (Chemistry), Assistant Professor Michael Hudoba (Engineering), and Assistant Professor Brandon Sinn (Biology & Earth Science).

US Department of Justice, Office of Violence on Women, Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus Program, proposal due February 12, up to \$300,000 over 3 years. The team includes Associate Professor Kristy McCray, Professor Suzanne Ashworth, Interim Dean of Students Julie Saker, OPD Chief Larry Banaszak, HR Director Scott Fitzgerald, and third year student Shirley McCullough.

National Science Foundation Scholarships in Science, Technology, Engineering, and Mathematics Program, proposal due March 25, not to exceed \$1,000,000 over 5 years. The team includes Dr. Elena Caruthers (Engineering), Dr. Brigitte Ramos (Chemistry), and Dr. Meredith Meyer (Psychology).

Grants Awarded

MELISSA GILBERT, Associate Dean of Experiential Learning, Center for Community Engagement The Women's Fund of Central Ohio, *The Otterbein Women's Network*, \$8,500
The Otterbein Women's Leadership Network, known in the community as "The NET," provides a stream of educational, networking, and transformational leadership opportunities for girls, university students, and community leaders. We will mobilize over 500 participants and 60 organizations in our network through intergenerational opportunities that are both education and transformational. NET participants will gain a

deeper understanding of how to navigate obstacles to their success while cultivating specific leadership skills necessary for their futures.

MELISSA GILBERT, Associate Dean of Experiential Learning, Center for Community Engagement Ohio Commission on Service and Volunteerism - Serve Ohio program, *Pack the Mac and More*, \$2,000
The CCE will host the 2020 community service event, Pack the Mac & More, in honor of the Martin Luther King Jr. Day of Service. Over 250 Otterbein students, faculty and staff,

Westerville community members, AmeriCorps VISTAs in the Central Ohio area, WARM, and the United Methodist Church of the Master, will create a stop-and-serve event to build community while educating students on strategic efforts to address social issues. Students will participate in several service projects, including: packing trail mix packets for take-home meals for food insecure elementary school children, creating stuffed animal dogs to give to a financially burdened child a comforting friend at a local shelter, and making place mats for the homeless in Franklin County, among other services.

BARRY WITTMAN, Associate Professor,
Engineering

DAVID STUCKI, Senior Instructor, Computer
Science

Ohio Department of Higher Education, Choose
Ohio First, *Computer Science Scholarships*,
\$272,661.48

This award will support student recruitment and continuation for the first two academic years. Awards in subsequent years are subject to budget appropriations by the Ohio General Assembly, performance, and budget modifications of the Chancellor. Total for five years may total the full request of \$452,400. The primary goal of the scholarship program is to lower financial barriers for underrepresented students (women, low income students, and students from urban districts) to pursue a Bachelor of Arts or a Bachelor of Science in Computer Science at Otterbein and become part of the booming

digital economy in Ohio. The secondary goal of this program is to encourage existing Otterbein students to transfer into these degree programs. Choose Ohio First (COF) scholars will form cohorts with annual orientations and monthly mentoring sessions.

STEPHEN GRINCH, Archivist, Courtright Memorial
Library

Institute of Museum and Library Services (IMLS) awarded through the State Library of Ohio, Library Services and Technology Act (LSTA), *Preservation and Conservation 2019*, \$4,967

With this grant, the Library Archives will 1) fabricate two specially designed cases in which to safely store and transport the Otterbein Academic Regalia (the current mace and flambeau, as well as the historic university seal); 2) repair and clean the 1879 Clock that hangs in Courtright Memorial Library (Class of 1879 gift); and 3) purchase archival supplies.

KRISTIN BOURDAGE, Associate Professor and Chair,
Department of Education

Ohio Department of Higher Education, Human
Capital Strategies Grant, Total \$41,387.50

Westerville City Schools \$12,000

Olentangy Local School District \$17,377.50

Canal Winchester Local Schools \$12,010

The Pathways to Teaching Project collaborates with PreK-12 district partners to strengthen district recruitment efforts where there are critical teacher shortages. Partners awarded funding include Olentangy Local, Westerville, and Canal Winchester Local Schools.

Proposals Submitted since July 2019, Pending Review by Funder

JEFF SMITH, Associate Professor, Mathematics &
Actuarial Sciences

National Science Foundation, Robert Noyce
Teacher Scholarship Program, *imagine Math
Opening Doors (iMOD)*

Request: \$1,196,284

STEPHEN GRINCH, Archivist, Courtright Memorial
Library

Ohio History Connection, Ohio History Fund,
*Digitizing Ohio's Sports History – The Football
and Basketball Films of Otterbein University*

Request: \$20,000

JESSIE GLOVER, Assistant Professor, Department of
Theatre and Dance
National Endowment for the Arts, Research
Grant, *Arts Resources for Returning Citizens:
Assets, Impact, and Opportunities in the
Midwest*
Request: \$20,805

MELISSA GILBERT, Associate Dean, Center for
Community Engagement
City of Columbus/Franklin County/ Scotts
Miracle-Gro, *Urban Gardening Grant*
Request: \$3,000

NATHANIEL TAGG, Associate Professor and Chair,
Department of Physics
National Science Foundation, *RUI The Neutrino
Group*
Request: \$195,623

DENNIS DAVENPORT, Professor and Chair,
Department of Music
Puffin West Foundation, *"Polar Bear"
Commission*
Request: \$2,500

KIRSTEN CROTTE, Senior Associate Director,
Student Financial Services
Ellucian, Impact Award Nomination
Request: \$25,000

JAMES PRY SOCK, Director, Office of Social Justice &
Activism
Ohio Foundation of Independent Colleges,
*Pulling Together Conference: Intersectional
Activism*
Requested: \$2,500