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Faculty Achievements, September 2021

Otterbein University

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Faculty Achievements Report, September 2021

OFFICE OF ACADEMIC AFFAIRS

WENDY R. SHERMAN HECKLER, Provost and Senior Vice President/Professor, Department of Education

KATHRYN M. PLANK, Associate Provost for Curriculum, Teaching & Learning and Mission/Associate Professor, Department of Education

Invited Presentations

Sherman Heckler, W., Plank, K., Koehler, M., Prysock, J., Bell, V., Ward, C., McClanahan, T., & Burtch, D. (2021, June). *Integrating TRHT into the Curriculum*. Invited workshop presentation given at the Association of American Colleges and Universities' (AAC&U) 2021 Institute for Truth, Racial Healing, and Transformation Campus Centers, Online.

DEPARTMENT OF ART AND ART HISTORY

JONATHAN D. JOHNSON, Associate Professor
Artistic Exhibits and Performances

Videoformes 2021 (Clermont-Ferrand, France).

Le Videofestival Film Festival (Brescia, Italy).

Mimesis Documentary Festival (Boulder, CO).

Video Sound Archive (online curatorial project), curated by Debbie YJ Lin + Bridget Moreen Leslie.

Umpqua Valley Arts Exhibitions (Roseburg, OR): A Watched Pot Always Boils.

Rebecca Randall Bryan Art Gallery, Coastal Carolina University (Myrtle Beach, SC): Media Arts.

Ohio Art League (Columbus, OH): Spring Juried Show, Juror: Kim Flora, Head of Installation, at the Cincinnati Art Museum.

Marybar (Haifa, Israel): 121 & 1 curated by Yoss Stybel, Vadim Nemirovskiy.

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

Greater Columbus Arts Council Individual Artist Support Grant (\$1,000).

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

Analog Cookbook, Issue 4, edited by Kate E. Hinshaw, 2021 (featured artist interview).

AMANDA L. KLINE, Assistant Professor
Grants and Fellowships (PI, Co-PI, or other)

Awarded the inaugural Neighborhood Arts Connection Fellowship by the Greater Columbus Arts Council for project titled "South Side Stories."

DEPARTMENT OF BIOLOGY AND EARTH SCIENCE

KEVIN D. SVITANA, Professor

Peer-Reviewed Presentations and Posters

Svitana, K. Manganese - Manganese in Groundwater: The Unintended Consequence of Becoming a Problem, presented at the Unconventional Contaminants Conference, National Groundwater Association, May 27, 2021, Virtual.

Community Outreach and Service

Served on the development committee for the Unconventional Contaminants Conference and helped to organize this new, virtual conference for groundwater professionals.

CASEY TUCKER, Part-Time Faculty

Community Outreach and Service

Invited regular guest contributor of short Bio-clips highlighting natural history photography and writing for the Midwest Biodiversity Institute. The first short photo story appeared on July 17, 2021:

<https://midwestbiodiversityinst.org/publications/bio-clips>

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

Science Center bird-feeder station. Columbus Audubon Conservation Grant (\$800), Wild Birds Unlimited (\$300).

ANNA M. YOUNG, Associate Professor

Peer-Reviewed Presentations and Posters

Hryhorenko, L., J.D. Cramer & A. M. Young. 2021.

Analysis of In-situ Authorship: A Study on the Representation of Commonly Marginalized Authors. Poster. Animal Behavior Society.

Virtual, August 3-6, 2021. Honorable Mention in the Genesis competition for outstanding undergraduate posters.

DEPARTMENT OF BUSINESS, ACCOUNTING, AND ECONOMICS

CECIL JONES, Part-Time Faculty

Reviewer and content contributor for the national and international Banking Industry Architecture Network (Bian.org) architecture certification review book. The text recommends how data and information and technology systems are to be built in the financial (banks, life insurance, credit, etc.) technology industry. July 2021.

MICHAEL A. LEVIN, Professor

Honors and Awards

Selected as finalist for Marketing Management Association's Master Teacher Award.

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

Michael A. Levin and Yiyuan Liu (2021), "Teaching R-A Theory to Develop Future Business Practitioners' Decision Making Skills," *Journal of Marketing Theory & Practice*. 1-13.

DEPARTMENT OF CHEMISTRY

DEAN H. JOHNSTON, Professor

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

Structural and Conformational Analysis of 1-Butyl-3-methylimidazolium Nitrate. Johnston, D. H., Gasbarre, M., Norris, C. E. *J. Chem. Crystallogr.* 2021. DOI: 10.1007/s10870-021-00899-w.

Crystal structures and hydrogen-bonding analysis of a series of benzamide complexes of zinc(II) chloride. Tinapple, E., Farrar, S., Johnston, D. H. *Acta Cryst.* 2021, E77. DOI: 10.1107/S2056989021008264.

Bis(2,4-dioxopentan-3-ido-κ2O,O')dioxidomolybdenum(VI): a redetermination. Johnston, D. H., King, C., Seitz, A., Sethi, M. *IUCrData*, 2021, 6, x210778. DOI: 10.1107/S2414314621007781.

Thiosaccharinato-bis(triphenylphosphine)silver(I). Johnston, D. H., Pierfelice, J. *CSD Communications* 2021. DOI: 10.5517/ccdc.csd.cc27d932.

Kim, S., Bucholtz, E. C., Briney, K., Cornell, A. P., Cuadros, J., Fulfer, K. D., Gupta, T., Hepler-Smith, E., Johnston, D. H., Lang, A. S. I. D., Larsen, D., Li, Y., McEwen, L. R., Morsch, L. A., Muzyka, J. L., Belford, R. E. *J. Chem. Educ.* 2021, 98, 416-425.

JOHN T. TANSEY, Professor

Peer-Reviewed Presentations and Posters

Community-supported Development of an Annual Exam Assessing Undergraduate Competencies in Biochemistry and Molecular Biology.

Wolfson, A., Kennelly, P., Bailey, C., Carastro, M., Dean, D., Del Gaizo Moore, V., Dries, D., Kanipes, M., Loerstcher, J., Martin, D., Offerdahl, E., Tansey, J.T., Tyler, L., and Zeidan, Q. ASBMB national meeting 2021 (online).

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

Zeidan, Q., Loertscher, J., Wolfson, A.J., Tansey, J.T., Offerdahl, E.G., Kennelly, P.J., Dries, D.R., Moore, V.D.G., Dean, D.M., Carastro, L.M., Villafañe, S.M., Tyler, L. Development of a Certification Exam to Assess Undergraduate Students' Proficiency in Biochemistry and Molecular Biology Core Concepts. *CBE Life Sci Educ.* 2021 Jun;20(2):es6. doi: 10.1187/cbe.19-12-0265.

DEPARTMENT OF COMMUNICATION

HILLARY A. WARREN, Professor

Community Outreach and Service

Elected Vice-President for Member Support, College Media Association.

DEPARTMENT OF EDUCATION

SUSAN D. CONSTABLE, Professor

Community Outreach and Service

Columbus City Schools: Tutoring Program to support high school seniors on their path to graduation. Placed 15 Otterbein students with Briggs High School Seniors.

Teaching Cheminformatics through a Collaborative Intercollegiate Online Chemistry Course (OLCC).

DEPARTMENT OF ENGINEERING

MICHAEL W. HUDOBA, Assistant Professor
Grants and Fellowships (PI, Co-PI, or other)

Faculty members Dr. Jennifer Bennett, Dr. Sarah Bouchard, Dr. Jerald Brevick, Dr. Joan Esson, Dr. David Robertson, Dr. Mike Hudoba, Dr. Kevin Svitana, along with Susan Bolt (Vice President for Business Affairs) and Bridgette Cahalin (Development Associate Grants & Sponsored Programs) received the Choose Ohio First (COF) grant to advance the Ohio Department of Education's goal of increasing the number of Ohio residents completing postsecondary studies in the fields of science, technology, engineering, mathematics, and medicine (STEMM) and STEMM education. Otterbein was awarded the COF grant in March of 2021, providing \$1,051,923.60 over five years to recruit and support cohorts of students during their educational journey. To date, faculty and staff have developed and implemented the marketing materials, began to prepare the programming and support systems, and interviewed and selected students in the first cohort to earn a maximum of \$8112 scholarship per year for four years.

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

Dr. John Tansey (Program Director), Dr. Jennifer Bennett, Dr. Carrigan Hayes, Dr. Mike Hudoba, Dr. Kathryn Plank, and Dr. Brandon Sinn were awarded the two-year, \$30,000 Howard Hughes Medical Institution (HHMI) IE3 Learning Grant in 2021. The faculty team will work with a Learning Community Cluster (LCC) consisting of Otterbein University along with Xavier University, University of Iowa, Oglethorpe University, Fort Lewis College, Simmons University, University of Minnesota-Morris, University of New Mexico, Fairfield University, University of Alaska Anchorage, Boston University, Fisk University, Hamilton College New York, Portland State University, and Elon University. The LLC IE3 challenge is to focus on content of the introductory science experience which embodies inclusive learning.

DEPARTMENT OF ENGLISH

PATRICIA A. FRICK, Professor
Peer-Reviewed Presentations and Posters

Paper presentation on the early-nineteenth century travel writer, Maria Graham (1812-1842), as part of the Victorian Popular Fiction Association's annual conference, hosted by the University of Greenwich, UK. The paper, "Beyond the Sickroom: Inclusion, Exclusion, and Discourses of Illness in Maria Graham's Travel Journals," analyzes the important therapeutic, cultural, and narrative work accomplished through Graham's recurring references to her own and others' encounters with illness during her world travels. July 15, 2021.

Paper presentation on the early 19th-century travel writer, Maria Graham, for the Breaking the Network conference, sponsored by the University of Cork, Ireland. The paper, "Infrastructures and Communities in Maria Graham's Journal of a Residence in Chile During the Year 1822," explores contrasting views of Chile's ports, roads, and railways as they existed in the imperial imaginary and in reality. As Graham encounters the practical challenges of Britain's desire for modern infrastructures within Chile's diverse and rugged geographies, she also examines the cultural costs of British infrastructural "progress" for Chile's indigenous peoples. September 3, 2021.

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

Conference paper presentation on two travel journals authored by the early nineteenth-century writer, Maria Graham, entitled "'The shortest way of learning': Knowledge, Class, and Audience in Maria Graham's Journal of A Residence in India (1812) and Journal of A Residence in Chile (1822)." The paper was part of a joint conference sponsored by the American Literature Association and the Margaret Fuller Society, and a finalized version has been accepted for inclusion in the society's digital archive at the Thoreau Institute Library. July 10, 2021.

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. *Journal of Equine Veterinary Science*. 101.

Kemeny, B., Burk, S., Hutchins, D., Gramlich, C.E. 2021. Therapeutic riding or mindfulness: Comparative effectiveness of two recreational therapy interventions for adolescents with autism. *Journal of Autism and Developmental Disorders*. <https://doi.org/10.1007/s10803-021-05136-z>.

DEPARTMENT OF HEALTH AND SPORT SCIENCES

MEGAN E. CHAWANSKY, Assistant Professor

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

Otterbein University Sustainability Committee (2021). Paul and Joyce Wendel Sustainability Endowed award (Total: \$1105). Title of Proposal: Zero Waste GameDay (ZWGD) for SMGT 3930.

Invited Presentations

Chawansky, M. (2020). Invited speaker on "Diversity and Inclusion within Sport Leadership" for University of Kent (UK) undergraduate course on sport leadership.

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

Chawansky, M. (2021). Volunteering within Sport for Development and Peace (SDP) projects, in Pike, E. (Ed.) *Research Handbook on Sports and Society*, (pp. 202-211), Cheltenham, UK: Edward Elgar.

KRISTY L. MCCRAY, Associate Professor

Community Outreach and Service

Sport Management Education Journal, Editorial Board Member, January 2020 - present.

City of Columbus Police Department's Chief's Advisory Panel, June 2020 - present.

Peer-Reviewed Presentations and Posters

Davis, E., Brgoch, S. M., Lower-Hoppe, L. M., McCray, K., & Parietti, M. L. (2021, February). Utilization and impact of career services among

collegiate student-athletes. Paper presented at the Applied Sport Management Association virtual conference.

SHELLEY S. PAYNE, Professor

Community Outreach and Service

Vice-Chair of the International Society for Self-Directed Learning.

Member of the search committee for the Program Coordinator for "Every Student Will."

RISE program faculty member.

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), pages 1-9. <https://www.sdglobal.com/journals>

ASHLEY C. SIMONS, Assistant Professor

Honors and Awards

Achieved status as an Orthopedic Certified Specialist from the American Board of Physical Therapy Specialists. This is one of eight specialties in physical therapy which will be used to enhance our allied health and athletic training students' learning in evidence-based practice and clinical skills.

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

RACHEL A. SCHWARTZ, Assistant Professor

Invited Presentations

Schwartz, Rachel A. "Undermining the State From Within: The Institutional Legacies of Civil War in Central America." Invited presentation at Institute for Qualitative and Multi-Methods Research (IQMR) module on "Rethinking Comparison in Political Science." June 23, 2021.

Peer-Reviewed Presentations and Posters

Schwartz, Rachel A. "Rewriting the Rules of Land Reform: Counterinsurgency and the Property Rights Gap in War and Postwar Nicaragua." Virtual presentation at the Latin American Political Economy Network's (REPAL) Annual Conference, hosted by Cornell University. July 16, 2021.

DEPARTMENT OF MATHEMATICS AND ACTUARIAL SCIENCE

RAY D. KARPMAN, Assistant Professor
Community Outreach and Service

Co-organized "Queer and Trans Mathematicians in Combinatorics." Virtual Conference hosted by The Fields Institute for Research in Mathematical Sciences. 24-25 June, 2021.

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

R. Karpman, É. Roldán, "Isotopy graphs of Latin tableaux." *Advances in Applied Mathematics, Volume 130*, 2021, 102204.

DEPARTMENT OF MUSIC

JILL W. CRIST, Part-Time Faculty
Honors and Awards

Columbus Symphony Orchestra, 2021 Community and Private Educator of the Year

DEPARTMENT OF PHILOSOPHY AND RELIGION

GLENNA S. JACKSON, PART-TIME FACULTY

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

Glenna S. Jackson, "Twenty Years of Experiencing the Parables in Africa," in T. Gould, J. Harrison, J.R.C. Cousland, eds., "Seeing" and "Hearing" the Parables in the Synoptic Gospels (Bloomsbury Academic Publishing, 2021).

Glenna S. Jackson, "Learning from Africans How to Read the Parables of Jesus," *The Fourth R* 34/5 (September-October 2021).

Glenna S. Jackson, "The Woman with the Empty Jar (Thomas 97 and Africa)," *The Fourth R* 33/3 (May-June 2020).

ANDREW P. MILLS, Professor
Invited Presentations

"Eating Plants: The Philosophy and Practice of Veganism" (with Dr. Jessica Garrett Mills), Bexley Public Library, Bexley, OH, July 14, 2021.

Peer-Reviewed Presentations and Posters

"Teaching General Education Students," Presentation at American Association of Philosophy Teachers Summer Series, "Who We Teach," June 2021.

"Why We Teach: Three Conceptions of Philosophy Teaching" (with Russell Marcus, Jane Drexler,

and Alexandra Bradner). Presentation at American Association of Philosophy Teachers Summer Series, "Why We Teach," July 2021.

ALEX K. ROCKLIN, Assistant Professor
Peer-Reviewed Presentations and Posters
Round table participant, "Toward an Experimental Ethics: Experiments with Power and the Ethical Turn(s) in Comparison." Society for the Anthropology of Religion conference, May 15, 2021.

DEPARTMENT OF PHYSICS

UWE TRITTMANN, Professor
Peer-Reviewed Presentations and Posters
"Solving Adjoint QCD2 with Asymptotic Basis Functions." Talk at the 2021 Meeting of the Division of Particles and Fields of APS, hosted by Florida State University, July 2021.
"(Re)Constructing the Spectrum of QCD2A with Asymptotic Eigenstates." Talk at OSAPS Spring Meeting, hosted by John Carroll University, April 2021.

DEPARTMENT OF SOCIOLOGY, CRIMINOLOGY, AND JUSTICE STUDIES

CARLA R. CORROTO, Professor
Peer-Reviewed Presentations and Posters
Carla Corroto and Deb Scott (2021). "Advocacy for Design Pedagogy Reform." Sixteenth International Conference on The Arts in Society, (Virtual) June 17.

DEPARTMENT OF THEATRE AND DANCE

T.J. GERCKENS, Associate Professor
Artistic Exhibits and Performances
Lighting Design for Otterbein University Theatre production of *Into a Lamplit Room*, directed by Thom Christopher Warren. Streamed virtually March 2021.
Lighting Design for Otterbein University Theatre production of *The Tempest*, directed by Mark Mineart. Streamed virtually April 2021.
Lighting Design for *Rusalka*, by Antonin Dvorak, streamed live by The Metropolitan Opera, April 2021. Original production date February 25, 2017.

Invited Presentations

Invited panelist at the National Collaborator's Conference: "Navigating Family and Caretaking in Production Careers," hosted by The Stage Managers Association and the United States Institute for Theatre Technology-Ohio Valley Section. October 9-11, 2020.

MELISSA J. LUSHER, Professor

Artistic Exhibits and Performances

Dialects Coach, *Noises Off*, Short North Stage, Director: Jake Loewenthal, September 2021.
Dialects Coach, *A Gentleman's Guide to Love and Murder*, Otterbein Theatre, Director: Thom Christopher Warren, September 2021.

EXTERNAL GRANT AWARDS – OFFICE OF GRANTS AND SPONSORED PROGRAMS (OGSP)

Submitted by Janelle Hallett, Director and 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 six grants totaling \$1,602,575 since the last update in March 2021. New CARES Act funding brought an additional \$5,943,662. We await word on the funding status for ten proposals we have submitted to funders, totaling \$1,087,935.

HEERF Act grant activity

JULIE SOSA, Controller

BRIDGETTE CAHALIN, Development Associate

ARP Act-support was received from the U.S. Department of Higher Education **Higher Education Economic Relief Fund III** in the amounts of \$2,971,831 for the institution and

\$2,971,831 for students. This award will make possible the award of emergency grants to students, the purchase of COVID-19 tests, personal protective equipment, sanitation, distance learning support, and lost revenue recuperation.

McAllister & Quinn – Grants Awarded and Recognition

Otterbein was awarded one grant for a total of \$1,541,280 with support from the Washington, D.C. grants consulting firm, McAllister & Quinn.

JEFFERSON BLACKBURN-SMITH, Vice President of Enrollment Management

The Choose Ohio First Program, Ohio Department of Higher Education, Cardinal STEM Scholars: Building Ohio's STEM Pipeline

The Choose Ohio First: Science, Technology, Engineering, Mathematics, and Medical grant

program supports scholarships for students in Chemistry, Systems Engineering, Environmental Science, Engineering Physics, and Physics. This award is for scholarships over a 5-year period, with 11 students in each cohort.

Foundation Grants Awarded

RYAN BRECHBILL, Executive Director, Student Success and Career Development

The Council of Independent Colleges through The Network for Vocation in Undergraduate Education (NetVUE) has awarded Otterbein \$10,000 for the proposal titled “Faculty Development in Advising and Vocation” to support faculty led conversations about vocation as part of the new initiative “Every Student Will.” The grant will support the transformation of the faculty advising relationship from one focused on transactional academic progress, to one that focuses on exploring vocation. Additionally, all faculty and staff instructors for the First Year Seminar and Senior Year Experience courses will participate in a retreat focused on vocational exploration

for students embedded in their curricular experiences.

MARGARET KOEHLER, Professor, English

The Martha Holden Jennings Foundation has awarded the English Department \$35,000 for the Next Hub (Network for Excellent Teaching) for a second year. This program continues to build professional development in educational justice and equity in central Ohio. A partnership between Otterbein and the local education nonprofit Erase the Space builds and facilitates networks of educators that serve a range of purposes including a yearlong teacher exchange, a network for administrators engaging in activities that seek to integrate schools, and a network to support teachers of color.

State Grants Awarded

DENNIS DAVENPORT, Professor, Music

The Ohio Arts Council has awarded Otterbein’s Music Department an **ArtSTART** grant for the Hopper Haiku: Songs Inspired by the Paintings of Edward Hopper in the amount of \$2,579. This funding will support the work of baritone Daniel Neer as a resident guest artist in March 2022. Mr. Neer will present a recital, including a newly commissioned work with composer and pianist Ellen Mandel set to texts by Daniel Neer.

JANICE GLOWSKI, GALLERY AND MUSEUM DIRECTOR

The Ohio Arts Council has awarded Otterbein’s Frank Museum of Art an **Arts Access** grant for general operating support in the amount of \$3,716. This funding will support an expansion of basic services aimed to increase outreach and access to Otterbein’s permanent art collection and exhibitions. The two years of funding would increase staffing and allow for 1. Expanded Museum hours and 2. Increased efforts toward conditioning, hi-resolution photography/digitization, databasing, translations, and dissemination of Otterbein’s permanent collection through the Digital Commons.