

College Scholarly Productivity Report

July 1, 2023 - September 30, 2023

Books

McBride, D. M., Cutting, C., Lab manual for psychological research, 5th edition. Sage Publications.

McBride, D. M., The process of research in psychology, 5th edition. Sage Publications.

Book Chapters

Boehm, S. (2023). *Worlds, M., & Boehm, S. (2023). Anti-racist teaching using young adult literature. In K. Olmstead and S. Troiani (Eds.), Many books, many stories: Using children's and young adult literature to open classroom conversations (pp. 105-120). Peter Lang.*

Journal Articles

Boehm, S., Boehm, S., & Franklin, L. (2023). The case for playful pedagogy in the high school English classroom. *English Journal*, 112(3), 51-56.

Boehm, S., Boehm, S., Mundorf, J., Miley, J., & Commeret, M. (2023). Rethinking teacher preparation: Three playful shifts for supporting new teachers. *English Leadership Quarterly*, 45(3), 13-18.

Boehm, S., Children's and young adult literature that support conversations about consent, bodily autonomy, and sexual abuse.

Boehm, S., Colantonio-Yurko, K., Adams, B., Boehm, S., & Miller, H. C. (2023). Boundaries, objectification, and gender norms: Addressing sexual and gender-based harassment with middle grade literature. *Middle School Journal*, 54(1), 23-31.
<https://doi.org/10.1080/00940771.2022.2142003>.

Boehm, S., Miller, H. C., Boehm, S., Colantonio-Yurko, K., Adams, B., & Mertens, G. (2023). Naming and challenging rape culture in English curriculum: Teaching canonical texts with contemporary adaptations. *Changing English*, 1-13.
<https://doi.org/10.1080/1358684X.2023.2196611>.

Seligman, L. D., Geers, A. L., Kramer, L., Clemens, K. S., Pituch, K. A., Colagiuri, B., Marusak, H. A., Rabinak, C. A., Turner, N., Nedley, M., Study protocol of an investigation of attention and prediction error as mechanisms of action for latent inhibition of dental fear in humans.

Fields, S., Cole, C. L., Oei, C., Chen, A. T., Using Named Entity Recognition and Network Analysis to Distinguish Personal Networks from the Social Milieu in Personal Diaries. *Digital Scholarship in the Humanities*.

Meixner, T., Ciancarelli, B., Farrell, E., Garcia, Silva D, Josek, T., Kelly, M., Meister, P., Soule, D., Darner, R., Asynchronous student engagement in analysis of climate data achieves learning objectives related to climate change understanding, statistical competence, and climate anxiety. *Journal of Geoscience Education*.

- Lannin, D., Wolf, L., Heath, P., Anticipating self-stigma: The roles of values and perceptions of therapy clients.
- Seidman, A., Vogel, D., Lannin, D., Examining between- and within-person effects of the self-stigma of seeking psychological help on the therapeutic working alliance: The moderating role of psychological distress.
- Kanter, J., Lannin, D. G., Rauer, A., Yazedjian, A., Relational concerns and change in relationship satisfaction in a relationship education program.
- Kanter, J., Lannin, D. G., Rauer, A., Sprecher, S., Yazedjian, A., The longitudinal influence of cumulative risk: Is relationship education a resource?
- Leslie, D., Miller, L., Early Paleoindian Personal Adornment: An Example from the Brian D. Jones Site in Avon, Connecticut. *PaleoAmerica*.
- Miller-Ott, A., Kelly, L., Schultz, S., Understanding parents' sense-making of their role in adolescent daughters' social media use through the lens of relational dialectics theory 2.0. *Communication Quarterly*.
- Ponnou-Delaffon, E. T., "Reading Toews Reading Camus: Existentialist Echoes in Miriam Toews's 'Secular Mennonite' Ethics and Aesthetics". *Mennonite Quarterly Review*.
- Vlasov, D., kasimov, N., Eremina, I., Shinkareva, G., Chubarova, N., Major ions and potentially toxic elements in atmospheric precipitation during the COVID-19 lockdown in Moscow megacity. *Urban Climate*.
- Attanasio, M., Choi, C., Mandelshtam, A., Ure, C., Symbol length in Brauer groups of elliptic curves. *Proc. Amer. Math. Soc.*
- Kosheleva, N., Vlasov, D., Timofeev, I., Samsonov, T., Kasimov, N., Benzo[a]pyrene in Moscow road dust: pollution levels and health risks. *Environmental Geochemistry and Health*.
- Vlasov, D., Vasil'chuk, J., Kosheleva, N., Kasimov, N., Contamination levels and source apportionment of potentially toxic elements in size-fractionated road dust of Moscow. *Environmental Science and Pollution Research*.
- Zappi, A., Popovicheva, O., Tositti, L., Chichaeva, M., Eremina, I., Kasper-Giebl, A., Tsai, Y., Vlasov, D., Kasimov, N., Factors influencing aerosol and precipitation ion chemistry in urban background of Moscow megacity. *Atmospheric Environment*.
- Meyers, A., Swerdlik, M., Donnelley, M., LeShoure, K., Preservice Consultation Training Through University-Community Partnership. *Journal of Educational and Psychological Consultation*.
- Forcella, F., Portman, Z. M., Wells, S., Perry, W., Gesch, R., Mohammad, Y. A., Hoerning, C., Hard, A., Wesley, T. L., Phippen, W., Abundance and diversity of bees visiting flowering pennycress, a new oilseed crop. *The Great Lakes Entomologist*.
- McDaniel, T. J., Holtz, J. M., Bondzie, E., Overfelt, M., Fedick, P. W., Mulligan, C., Rapid screening of high-priority *N*-nitrosamines in pharmaceutical, forensic, and environmental samples with paper spray ionization and filter cone spray ionization-mass spectrometry. *Rapid Communications in Mass Spectrometry*.
- Breitenbach, A. T., Marroquín-Flores, R. A., Paitz, R. T., Bowden, R. M., Experiencing short heat waves early in development changes thermal responsiveness of turtle embryos to later heat waves. *Journal of Experimental Biology*.

- Eren, M., Bebber, M., Wendel, M., Miller, L., Buchanan, B., Description, Morphometrics, and Microwear of Two Paleoindian Fluted Points from Nebraska and Illinois. *Lithic Technology*.
- Eren, M., Diaz-Martin, F., Tarrino, A., Smith, H., Buchanan, B., Miller, L., Boulanger, M., King, M., Slobodin, S., Toolstone characterization, description, morphometrics, and microwear of the lithic assemblage from Uptar, Magadan Oblast, Northeastern Siberia, Russia. *Archaeological Research in Asia*.
- Joseph, A. R., MacGregor, A. J., Dougherty, A. L., Pre-Existing Audiometric Hearing Loss is a Predictor of Significant Threshold Shift Following Injury During Combat Deployment. *Ear and hearing*.
- Ferrence, L. M., Gajula, A., Jones, M. A., Surprising Effects of Rocking Motion on *Leishmania tarentolae* Behavior in Culture and Implications for Cell Stress. *Stresses*.
- O'Donnell, B., Sanchez-Pupo, R., Sayedyahosseini, S., Karimi, M., Bahmani, M., Zhang, C., Johnston, D., Kelly, J., Wakefield, C. Brent, Barr, K., Dagnino, L., Penuela, S., PANX3 Channels Regulate Architecture, Adhesion, Barrier Function, and Inflammation in the Skin. *Journal of Investigative Dermatology*.
- Stein, W., Editorial: The fruit fly, *Drosophila*, as a tool to unravel locomotor circuits. *Frontiers in Neural Circuits*.
- Donkor, G. Y., Anderson, G. M., Stadler, M., Tawiah, P. O., Orellano, C. D., Edwards, K., Dahl, J.-U., A novel ruthenium-silver based antimicrobial potentiates aminoglycoside activity against *Pseudomonas aeruginosa*. *mSphere*.
- delBarco-Trillo, J., Putman, B., Not all cities are the same: variation in animal phenotypes across cities within urban ecology studies. *Urban Ecosystems*.
- Blaney, J., Blaney, M. J., Persuasive Attack and Defense of Campus Free Speech: Implications for the First Amendment. *Communication Law Review*.
- Riordan, R., Miller, L., Stone, A., Bladelets, Blood, and Bones: Integrating Protein Residue, Lithic Use-Wear, and Faunal Data from the Moorehead Circle, Fort Ancient. *American Antiquity*.
- Mukusha, L., Miller, L., Buchanan, B., Boulanger, M., Marvin, R., Fisher, S., Kunst, R., Bebber, M., Eren, M., Thinking about artifact description, collections, access, and replicability: Clovis and possible-Clovis artifacts from the Wyandot County and Portage County Historical Societies, Ohio. *Northeast Anthropology*.
- Smith, J., Lorio, C., Transition class: A bridge between early intervention and early childhood special education. *Education 3-13*.
- Serdyukova, A., Vlasov, D., Popovicheva, O., Kosheleva, N., Chichaeva, M., Kasimov, N., Elemental composition of atmospheric PM10 during COVID-19 lockdown and recovery periods in Moscow (April–July 2020). *Environmental Geochemistry and Health*.
- Coe, B., Sevik, R., Biswas, M., Manna, U., Resonant coupling of molecular excitons and optical anapoles in silicon nanosphere-J-aggregate heterostructures under vector beam illumination. *Applied Optics*.

Editorships

Perry, B. L. Editorial Review Board Member, *Frontiers in Environmental Science*. (July 2023 - July 2024).

Book Reviews

Cole, C. L. (2023). *Review of Chris Gratien, The Unsettled Plain: An Environmental History of the Late Ottoman Frontier*. *International Journal of Middle East Studies*.

Cole, C. L. (2023). *Review of Faisal Husain, Rivers of the Sultan: The Tigris and Euphrates in the Ottoman Empire*. H-Water.

Kapoor, N. (2023). *Book Review of Apartheid's Leviathan: Electricity and the Power of Technological Ambivalence*. *New African Histories*. Athens: Ohio University Press, 2023 (pp. 3). H-Net.
<https://networks.h-net.org/group/reviews/20003670/kapoor-ballim-apartheids-leviathan-electricity-and-power-technological>

Ponnou-Delaffon, E. (2023). *Review of Lives Lived, Lives Imagined: Landscapes of Resilience in the Works of Miriam Toews*. Winnipeg: Journal of Mennonite Studies.

Presentations

Adachi, N., Midwest Japan Seminar, "The Secondary Hazards of the 3.11 Disaster at Fukushima: Shifting the Socio-Cultural Values of the Soma Nomaoui Cavalry Event," Midwest Japan. (September 2023).

Adachi, N., Annual meeting of Midwest Conference on Asian Affairs, "Panel discussant," Midwest Conference on Asian Affairs. (September 2023).

Adachi, N., Midwest Conference on Asian Affairs, "Social Aftershocks and Shifting Cultural Values Following the Fukushima, Japan, Earthquake, Tsunami, and Nuclear Disaster: A Thousand-year-old Samurai Ceremony Becomes a Tourist Horse Festival," Midwest Conference on Asian Affairs. (September 2023).

Borrull, F., Tackett, M., Comprehensible Input (CI) in the World Language Classroom., "Creating Comprehensible Input Activities in Your Classroom," Department of Languages, Literatures, and Cultures. Illinois State University. (September 2023).

McClure, T. E., Pi Sigma Alpha meeting, "Law School Debt," Pi Sigma Alpha. (September 2023).

Bennis, M., Sultana, S., Crompton, M., Meurer, K., Jankiewicz, O., Foti, A., Dahl, J.-U., Jackson, C., Gaessler, L., Camfield, S. K., 2023 Annual Conference, "The membrane protein RcrB provides protection to uropathogenic E. coli during phagocytosis and exposure to neutrophilic oxidants," Association of General and Applied Microbiologists. (September 2023).

Li, Y., Huang, R., AlMalki, J., Perez, M., Manna, U., Biswas, M., Scherer, N., SPIE Optics & Photonics 2023, "Optical trapping with magnetic fields of light." (August 2023).

Liew, R., McBride, D., Society for Applied Research in Memory and Cognition, "Precrastination as a Form of Intention Offloading Strategy: A Test of the CLEAR Hypothesis." (August 2023).

Meyer, R., Heller, N., Perry, W., Society for Freshwater Science, "Potential of the Novel Winter Cash Crop Pennycress to Reduce Nutrient Loss From Subsurface Drainage in Agriculture." (August 2023).

Li, Y., Huang, R., Almalki, J., Perez, M., Manna, U., Biswas, M., Scherer, N., SPIE Optics & Photonics, "Optical trapping with magnetic fields of light." (August 2023).

Dangol, R., Heller, N., Perry, W., Wesleyt, T., Phippen, W., Rhykerd, R., Illinois Nutrient Research Education Council, "Assessing Diverse Cover Crops for N and P Efficiency, C Sequestration, and Economic Impact on Illinois Crop Rotations," Illinois Nutrient Research Education Council. (August 2023).

Harris, A. L., COPIAMC, "A Twist on Electron and Photon Collisions." (August 2023).

Harris, A. L., Yaacoub, D., ICPEAC, "Strong field phenomena with sculpted laser pulses." (August 2023).

Harris, A. L., ICPEAC, "Probing electron projectile coherence with twisted electron collisions." (July 2023).

Schoenemann, P. T., Yang, C.-L., Putt, S., Cognitive Science Society, "Degree of learning of an artificial grammar correlates with differential fMRI activation of Broca's area." (July 2023).

Berg, R., Nietlisbach, P., 13th International Mammalogical Congress, "Giant mice on small islands: Mechanisms of gigantism of *Peromyscus maniculatus* Gulf Island populations," International Federation of Mammalogists and American Society of Mammalogists. (July 2023).

Wagman, J., University of California Riverside, "Tool use as detection and exploitation of information in an ecological niche." (July 2023).

Banik, T., NA, "What Lies Beneath: Iceland's Present and Future Glaciovolcanic Hazards," University Centre of the Westfjords. (July 2023).

Banik, T., NA, "Cool Topics in Warming Times: Iceland's Present and Future Natural Resources and Hazards," University Centre of the Westfjords. (July 2023).

Kadyamusuma, M., Southern African Linguistics and Applied Linguistics Society Annual Conference, "The Potential Effect of non-tone marking on Homograph Processing in Shona," Southern African Linguistics and Applied Linguistics Society. (July 2023).

Jasper, K., International Medieval Congress, "'Planting Whole Rows: Solutions for Incomplete Agricultural Data'," University of Leeds. (July 2023).

Contracts, Fellowships, Grants and Sponsored Research

Darner, R., Javadi, E., Buxton, E., "Artificial Intelligence Foundations in Autonomous Vehicles for Career Explorers," Sponsored by IL Innovation Network, Sustaining IL, \$30,000.00. (July 2023 - Present).

Darner, R., Sadd, B., "HHMI Learning Community," Sponsored by Howard Hughes Medical Institute Inclusive Excellence 3, \$782,600.00. (2023 - 2029).

delBarco-Trillo, J., "Beatriz Galindo Senior Distinguished Researcher (Declined)," Sponsored by Spanish Government and University of Castilla-La Mancha, \$460,000.00. (2023 - 2027).

Sadd, B., Evans, J., Palmer Young, E., "Straining the gut': Diversity of and genome-based treatments for trypanosomatid parasites of honey bees," Sponsored by National Institute of Food and Agriculture (USDA), \$727,000.00. (2023 - 2027).

Stein, W., "A life-cycle perspective on mechanisms of neural resilience," Sponsored by Kavli Foundation, \$460,000.00. (August 1, 2023 - December 31, 2025).

Dahl, J., "R03: Characterizing the interplay of a novel reactive oxygen species-producing antimicrobial and *Pseudomonas aeruginosa*," Sponsored by National Institutes of Health, \$148,000.00. (July 1, 2023 - June 30, 2025).

Hayes, R., "Public Relations Campaigns: Updating the Instructional Model for the 21st Century," Sponsored by Illinois State University, \$7,000.00. (July 1, 2023 - June 30, 2024).

Arellanes, J., Hendricks, M., Su-Russell, C., "Scholarship of Teaching and Learning (SoTL) Research Grant," Sponsored by Society for the Teaching of Psychology, \$2,600.00. (2023).

Dahl, J., Singh, P., "A Pilot Study on the Prevalence and Rise of Antibiotic-Resistant Genes as well as the hunt for new antibiotics in Urban and Rural Illinois," Sponsored by IL Innovation Network, \$49,506.00. (August 1, 2023 - July 31, 2023).

Artistic and Professional Performances and Exhibits

Baral, S. Other. (2023).