

## SCHOOL OR SCIENCE SELECTED FACULTY AND STUDENT PUBLICATIONS

Bradley, C.\*, & Klos, P. Z. (2021). 20-M resolution longitudinal nitrate data from before and after rainfall in low-order streams spanning rural to urban gradients. *Data in Brief*, 37, 107256. <https://doi.org/10.1016/j.dib.2021.107256>

Burns, R. L., Alexander, R., Snaychuk, L., Edwards, J. C., Fitzgerald, N., Gao, P., Quan, D., Douvris, C., Vaughan, T., & Bussan, D. D. (2021). A fast, straightforward and inexpensive method for the authentication of Baijiu spirit samples by fluorescence spectroscopy. *Beverages*, 7(3), 65. <https://doi.org/10.3390/beverages7030065>

Espinasa, L., Smith, D. M.\*, & Lindquist, J. M.\* (2021). The Pennsylvania Grotto Sculpin: Population Genetics. *Subterranean Biology*, 38, 47–63. <https://doi.org/10.3897/subtbiol.38.60865>

Fojas, C. L. (2022). Abandonment of the Middle Cumberland Region of Tennessee during the Mississippian period: Temporal and sex differences in survivorship. *American Journal of Biological Anthropology*, 177(3), 425–438. <https://doi.org/10.1002/ajpa.24446>

Galbraith, J. M., Shaik, S., Danovich, D., Braïda, B., Wu, W., Hiberty, P., Cooper, D. L., Karadakov, P. B., & Dunning, T. H. (2021). Valence bond and molecular orbital: Two powerful theories that nicely complement one another. *Journal of Chemical Education*, 98(12), 3617–3620. <https://doi.org/10.1021/acs.jchemed.1c00919>

McKenzie, B. A., Chen, F., & LaCroix-Fralish, M. L. (2022). The phenotype of aging in the dog: How aging impacts the health and well-being of dogs and their caregivers. *Journal of the American Veterinary Medical Association*, 1–8. <https://doi.org/10.2460/javma.22.02.0088>

Adler-Colvin, J.\*, DeGennaro, G.\*, & Klos, P. Z. (2021, December 13-17). *The Ecohydrology of a Japanese Knotweed Invasion* [Poster presentation]. American Geophysical Union Fall Meeting, New Orleans, LA, United States.

Briand, N.\*, & Dennis M. K. (2022, April 7-10). *Bacteriophage Maja: Singleton or not?* [Poster presentation]. Northeast Regional Honors Council Conference, Philadelphia, PA, United States.

Butzler, E.\*, Burnett, P.\*, & Klos, P. Z. (2022, June 19-24). *Longitudinal Variation in Nutrient Loading in a Low-Order Suburban Watershed: Using Paired Spatial Methods to Delineate between Septic Systems, Fertilizer, and Other Sources* [Poster presentation]. American Geophysical Union Frontiers in Hydrology Meeting, San Juan, Puerto Rico.

Butzler, E.\*, & Klos, P. Z. (2021, December 13-17). *Understanding the Geologic and Economic Controls on Drain Field Effectiveness of Septic Systems in Hudson River Tributaries* [Poster presentation]. American Geophysical Union Fall Meeting, New Orleans, LA, United States.

DeGenarro, G.\*, & Klos, P. Z. (2022, June 19-24). *Microplastic Accumulation Hotspots in Sediment Associated with Stream Outflows into Lakes and Estuaries* [Poster presentation]. American Geophysical Union Frontiers in Hydrology Meeting, San Juan, Puerto Rico.

Espinasa, L., & Diamant, R. (2022, February 27- March 4). *Laterality in foraging behavior, reproductive seasonality, and other results from several multi-year, longitudinal studies in the field* [Oral presentation]. 7th Astyanax International Meeting For Cavefish, San Antonio, TX, United States.

Fineman, J., MacPherson, C. E., Hai-Jung, S. S., & Quinn, L. (2022, February 5) *Development of the Physical Therapy Brief Telehealth Battery for Parkinson's Disease (BTB-PD)* [Poster Presentation]. Academy of Neurologic Physical Therapy CSM, San Antonio, TX, United States.

Fojas, C. L. (2022, April 2-5). *The Relationship between Gross Anatomy Performance and the Learning and Study Strategies Inventory (LASSI) Among Physician Assistant Students* [Oral presentation]. American Association for Anatomy 2022 Annual Meeting at Experimental Biology, Philadelphia, PA, United States.

Galbraith, J. M. (2022, March 20-24). *VB and MO: Two Great Tastes that Taste Great Together* [Oral presentation]. American Chemical Society Spring 2022 Meeting, San Diego, CA, United States. Virtual.

Hatch, L.\*, Burnett, P.\*, & Klos, P. Z. (2022, June 19-24). *Influence of Beaver Dam Analogs on Riparian Vegetation and Sediment Deposition in a Low Order Stream in Northern Utah* [Poster presentation]. American Geophysical Union Frontiers in Hydrology Meeting, San Juan, Puerto Rico.

Kayla, A.\*, Humphrey, A.\*, Jackson, E.\*, Woolridge, E., & Fitzgerald, N. (2022, April 29). *Sulforaphane in Dietary Supplements* [Poster presentation]. Mid-Hudson American Chemical Society Undergraduate Research Symposium, Mount Saint Mary College, Newburgh, NY, United States.

Kelchner, N.\*, & Klos, P. Z. (2021, December 13-17). *Integrated Biogeochemical and Ecohydrologic Assessment of Vernal Pools in the US Northeast* [Poster presentation]. American Geophysical Union Fall Meeting, New Orleans, LA, United States.

Klos, P. Z., Duarte, B.\*, & Fabrizi, O.\* (2021, December 13-17). *Mother Nature's Hit Single: A mixed-methods evaluation of traditional versus musical climate change communication* [Poster presentation]. American Geophysical Union Fall Meeting, New Orleans, LA, United States.

Klos, P. Z., & Stureborg, V.\* (2022, June 19-24). *AI-Driven Predictive Modeling of Flood Response to Intensified Precipitation in a Rural-to-Urban Watershed in the Northeastern U.S.* [Poster presentation]. American Geophysical Union Frontiers in Hydrology Meeting, San Juan, Puerto Rico.

LaCroix-Fralish, M. L., Chen, F., & McKenzie B. A. (2022, April 2-5). *Lessons in Longevity from Companion Dogs* [Oral presentation]. Experimental Biology 2022, Philadelphia, PA, United States.

Musso, S.\*, & Klos, P. Z. (2021, December 13-17). *Morning Poison: How Much Plastic are You Ingesting from Your Tea?* [Poster presentation]. American Geophysical Union Fall Meeting, New Orleans, LA, United States.

Rétaux, S.\*, Attia, J.\*, Blin, M.\*, Casane, D.\*, Espinasa, L., Hyacinthe, C., Imarazene, B., Leclercq, J., Legendre, L., Père, S., Pierre, C., Policarpo, M., Torres-Paz, J., & Simon, V. (2022, February 27- March 4). *Ten years of cavefish field studies: what have we learned?* [Oral Presentation]. 7th Astyanax International Meeting For Cavefish, San Antonio, TX, United States.

Rompolski, K., Fojas, C. L., Taylor, M. A., & Countess, T. (2022, April 2-5). *How Do Physical Therapists Perceive Anatomy Education?* [Poster presentation]. American Association for Anatomy 2022 Annual Meeting at Experimental Biology, Philadelphia, PA, United States.

Sage-King, F., Fojas, C. L., Grubler, A.\*, & Thomas, S.\* (2021, October 22-24). *Content Validity of a New Tool for Evaluating Learning Environment in Doctor of Physical Therapy Programs* [Poster presentation]. American Physical Therapy Association and American Council of Academic Physical Therapy Educational Leadership Conference 2021, Atlanta, GA, United States.

Smith, G.M.\*, Millet, R.\*, Lefebvre, S.\*, & Fitzgerald, N. (2022, April 29). *Investigation of a Diffuse Gradient in Thin-Films Method for Monitoring Nitrate in Freshwater* [Poster presentation]. Mid-Hudson American Chemical Society Undergraduate Research Symposium, Mount Saint Mary College, Newburgh, NY, United States.

Stephens, L. (2022, June 15-19). *Building a Cohort Group for Students from Populations Underrepresented in Medicine* [Oral and poster presentation]. National Association of Advisors for the Health Professions National Conference, Denver, CO, United States.

Stureborg, V.\*, & Klos, P. Z. (2021, December 13-17). *Predictive Flood Modeling of a Rural-to-Urban Watershed in the Northeastern U.S.* [Poster presentation]. American Geophysical Union Fall Meeting, New Orleans, LA, United States.

Tocci, R.\*, Wenzel, T.\*, Dernic, J.\*, Yunker, R.\*, Assaf, E.\*, Witte, R.\*, & Dennis M. K. (2022, June 19-24). *Sensitization of AP-3-deficient melanocytes to perturbations in nutrient conditions* [Poster presentation]. Lysosomes & Endocytosis Gordon Research Conference, Andover, NH, United States.

Zellers, J., Bove, A., Zarzycki, R., Kobal, K., Minick Thayn, K., Sage-King, F., & Sprague, A. (2022, February 2-5). *Engaging in Research and Teaching After the DPT: A Conversation About Career Paths* [Oral Presentation]. American Physical Therapy Association Combined Sections Meeting, San Antonio, TX, United States.

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