

Ecology Colloquium – Fall 2022

12:20 PM – 005 Huck Life Sciences

Zoom link [\[Click Here\]](#)

Date	Speaker
9/7	Chris Custer , advised by Ty Wagner Title: Quantifying the relative roles of biotic and abiotic factors structuring stream fish communities
9/14	Jack Boyette , Advised by Gui Becker Title: Molecular evolution of non-visual opsin genes across environmental, developmental, and morphological transitions in frogs
9/21	Francesca Ferguson , advised by Heather Preisendanz and John Tooker Title: Linking emerging contaminants and macroinvertebrate diversity in agriculturally influenced freshwater systems
9/28	Luana Bresciani , advised by Francisco Dini-Andreote Title: Mechanisms and ecological consequences/implications of microbial dispersal Janniry Cabrera Belen , advised by Bradley Cardinale Title: Pesticide contamination in wetlands and its impact on anuran diversity and abundance
10/5	João Vitor Messeder , advised by Tomás Carlo Title: What it means to be mammal colored? A fruit perspective across scales
10/12	Darcy Gray , advised by Christina Grozinger Title: Landscape, weather, and management impacts on winter honey bee overwintering survival in PA Emma Rice , advised by Carolyn Lowry Title: Unearthing plant root composition in cover crop mixtures
10/19	Eva Barr , advised by Duane Diefenbach Title: Environmental factors influencing the occurrence of native phyto-indicator species in the Susquehannock State Forest, Pennsylvania Michelle Zavala , advised by Jill Hamilton Title: Deciphering the genetics and genomic basis of adaptation to changing water availability in poplar trees (<i>Populus L.</i>)
10/26	Shannon Buttimer , advised by Gui Becker Title: Severe rainfall deficit associated with increased skin microbiome dysbiosis and fungal disease outbreak in Brazilian Pumpkin Toadlets Lily Cao , advised by Michela Centinari and Terrence Bell Title: Manipulating the soil microbiome and root physiology of grapevines with co-grown root interactions
11/2	Sarah Richards , advised by Terrence Bell Title: Farm-scale differentiation of active microbial colonizers Beth Tuschhoff , advised by David Kennedy Title: Host heterogeneity in susceptibility: its detection, estimation, and implications for epidemics
11/9	Lilly Germeroth advised by Sara Hermann Title: No milkweed, no monarchs: but which milkweed and what enemies? An assessment of the role of predators in monarch conservation in central PA
11/16	Katherine Altamirano advised by Jon Duncan Title: Spatial and temporal controls on denitrification in an urban watershed Jennifer Harris advised by Liana Burghardt and Estelle Couradeau Title: Do plants pick their partners? Exploring selection patterns on microbial mutualist, <i>Sinorhizobium meliloti</i> in cover crops
11/23	Thanksgiving break
11/30	Emma van der Heide , advised by Katriona Shea A pilot study of the effect of multiple disturbances on development of <i>Carduus nutans</i> and <i>C. acanthoides</i> Caleb Butler , advised by Todd LaJeunesse Title: What's in a species? Describing generalist endosymbiotic algae found in widely divergent reef-building corals.
12/7	Sydney Bird , advised by Margarita López-Uribe Title: Mating frequency estimation and its importance for colony abundance analyses in eusocial pollinators: A case study of <i>Bombus impatiens</i>