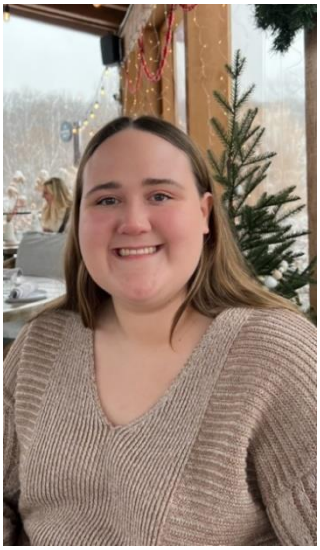
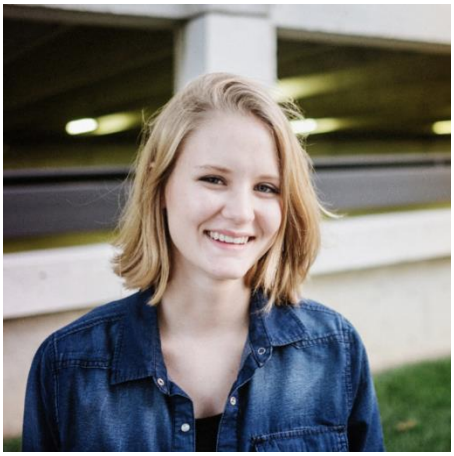
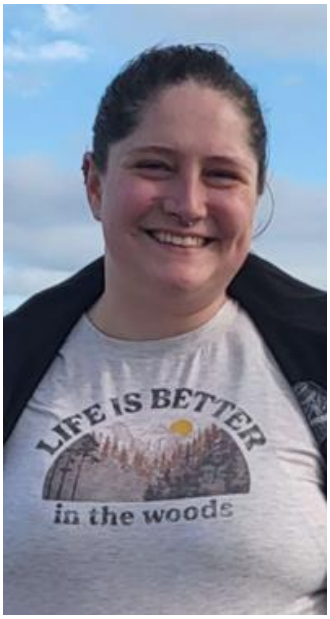


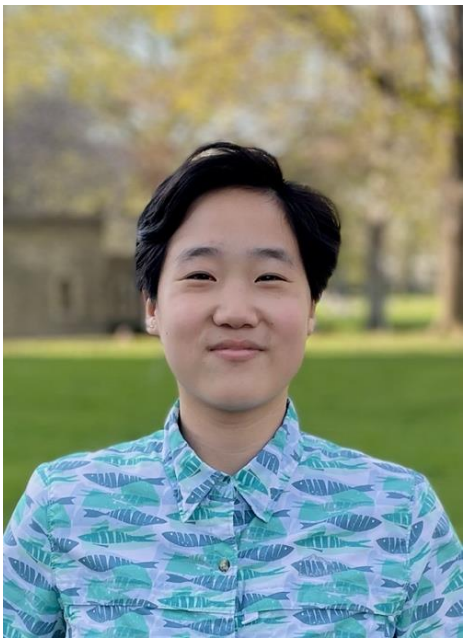
Allison Hearty is a National Science Foundation-funded research technician in the Harold W. Manter Laboratory of Parasitology. She graduated from the University of Nebraska-Lincoln in 2022 where she received a B.S. majoring in biological sciences, with a minor in Entomology. While attending UNL, Allison enrolled in Invertebrate Zoology, Parasitology, and Field Parasitology. These courses sparked her interest in studying parasite biodiversity and motivated her to participate in additional research outside the classroom.



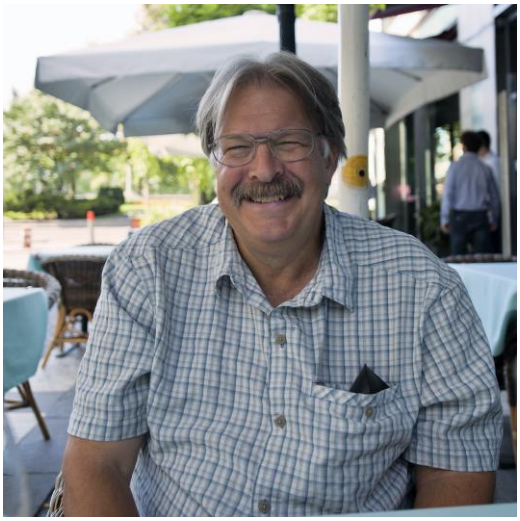
Abigail Horner was born and raised in Lincoln, Nebraska. She graduated with a bachelor's degree with honors in Veterinary Science in 2023. She is currently working at Boy's Town National Research Hospital and will be attending veterinary school at UNL in the coming fall.



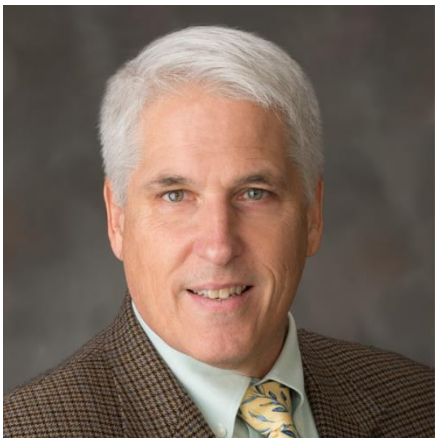
Linn Howard is a paleontologist interested in the change in trait rates over time due to environmental stressors. Linn works with ammonoids from the Cretaceous to address this question. She received her Bachelor's Degree from the University of Nebraska-Lincoln in 2022 and will receive her Master's Degree from UNL this summer. She will start her doctoral studies this coming fall.



Charlotte Szekeres is an undergraduate student studying biology at Fordham University. Charlotte has developed a passion for and interest in entomology since her childhood. Her favorite activities were curating collections of insects and arachnids collected during the exploration of natural environments. Charlotte was involved with various activities at the Lewis Calder Center (Fordham University, New York) where her interest in vector ecology and related research activities grew. Charlotte joined a research group at the Illinois Natural History Survey, Insect Collection Group, at the University of Illinois over the summer to carry out an internship sponsored by the National Science Foundation (Research Experiences for Undergraduates (REU) program). Her activities focus on the screening of museum insect vouchers to detect and characterize phytoplasmas, a group of bacteria associated with insects (vectors, primarily Hemiptera) and plants.

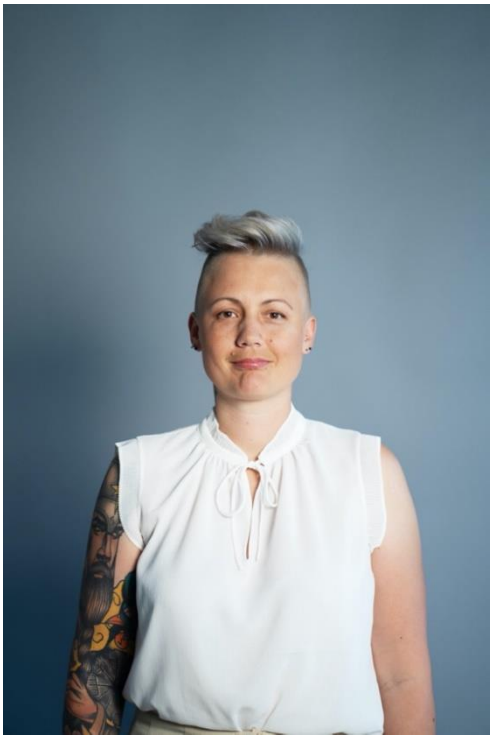


Daniel R. Brooks is Professor Emeritus, University of Toronto, and Senior Research Fellow, H.W. Manter Laboratory of Parasitology, University of Nebraska State Museum. He is a Fellow of the Royal Society of Canada (Academy of Science) and Fellow of the Linnaean Society of London. He has been awarded honorary doctorates from Stockholm University and the University of Nebraska-Lincoln (from which he also received his BS and MS degrees). He has been a Visiting Fellow of the Collegium Budapest, the Institute of Advanced Studies, Köszeg and the Institute of Evolution, Hungarian National Centre for Ecology, the Ciencias sem Fronteras program of Brazil, and the Stellenbosch Institute of Advanced Study in South Africa. Dan is an evolutionary biologist who integrates fundamental evolutionary principles into effective action plans for coping with the challenges of global climate change. The author of more than 400 publications, his most recent books are *The Stockholm Paradigm: Climate Change and Emerging Disease* (2019, University of Chicago Press), *The Major Metaphors of Evolution: Darwinism Then and Now* (2020, Springer), *An Evolutionary Pathway for Coping with Emerging Infectious Disease* (2023, Zea Press), and *A Darwinian Survival Guide: Hope for the Twenty-First Century* (2024, MIT Press).



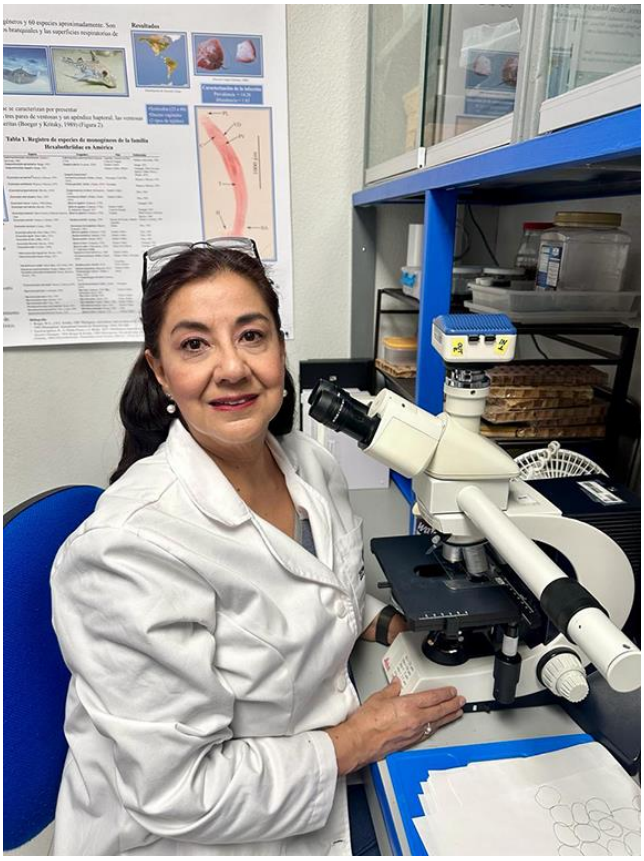
Scott L. Gardner is curator of Parasitology and Director of the Manter Laboratory of Parasitology, Division of Parasitology in the University of Nebraska State Museum. He finished his undergraduate degree at Oregon State University, obtained a Masters with Gerald D. Schmidt at the University of Northern Colorado, and received his Ph.D. from the University of New Mexico where he studied parasites of ctenomyid rodents in South America. Working in field-parasitology and collections-based research for his whole career, Scott first began work in the field in Oregon where he studied the parasite fauna of the mammals on his family farm – he published the results of this research while he was studying for his master's degree. His current research aims to discover and describe global parasite biodiversity before it is gone. Recent published work includes an edited textbook of parasitology (Concepts in Animal Parasitology – this is published free, on-line for students) *An Evolutionary Pathway for Coping with Emerging Infectious Disease* (2023, Zea Press),, studies of geographic distribution parasites in the HWML museum collections using ecological niche modeling, four new species of mammals from Bolivia, new species of tapeworms, trematodes, nematodes, mites, and coccidians from mammals from Mongolia, Bolivia, and even Nebraska.

Valeria Trivellone is currently an Assistant Research Scientist in Vector Ecology at the University of Illinois at Urbana-Champaign. She earned her M.S. degree in Environmental Sciences from the University of Pisa in 2003 and her Ph.D. in Biology from the University of Neuchâtel, Switzerland in 2016. In her thesis work and during the research assistantship at the Federal Institute for Forest Snow and Landscape Research WSL (Switzerland), she developed a conceptual framework as a tool for the selection of suitable bio-indicators of high levels of taxonomic and functional biodiversity in agroecosystems. In 2018, she worked at the Illinois Natural History Survey, University of Illinois (US) as a postdoctoral fellow for 5 years. During that time, she created and maintains the global Hemiptera-Phytoplasma-Plant biological interaction web interface to document the recorded associations worldwide, created and published an R package to simulate the dynamics of host switching events, and contributed to further develop of DAMA (Document, Assess, Monitor, Act), an operational protocol based on an evolutionary perspective (Stockholm Paradigm- SP) to cope with emerging diseases and disease outbreaks. VT is an ecology and evolutionary biologist, and her work integrates ecological theory of community assembly and coexistence with an evolutionary perspective, recently in formalized as SP, to explain the origin and the evolution of host-pathogen systems in natural and anthropogenic habitats. Currently, she is the PI of an NSF project that focuses on uncovering the diversity of a group of vector-borne bacterial pathogens (phytoplasmas) in natural habitats. With her research program focusing on (re)emerging infectious diseases and food security, she is applying an holistic framework to assess the risk of outbreaks and anticipate plant diseases that may cause severe economic, social and health-related issues. Her research interests range from understanding the relationship between global changes (e.g. land use and climate change) and emerging phytoplasma diseases, leverage data from archives and collections to discover new strains and hosts of phytoplasmas, use of georeferenced satellite images and land use regression model to assess the risk of emerging diseases. Valeria has over 130 refereed publications and 6 book chapters.

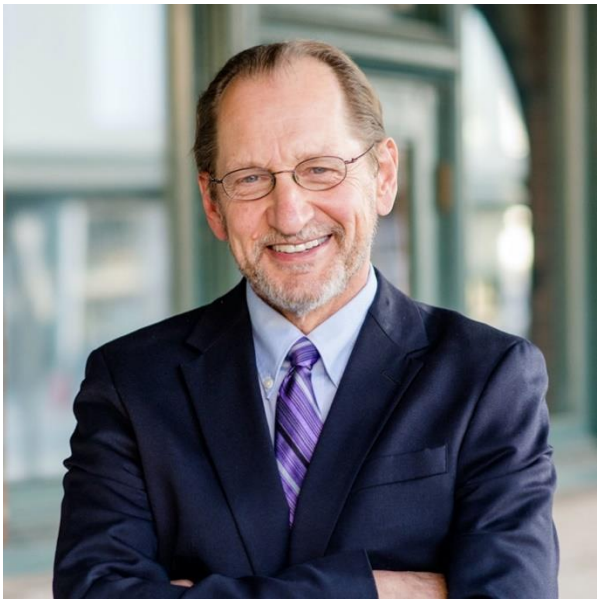


Orsolya Bajer-Molnar is an evolutionary biologist leveraging transdisciplinary methodologies to pioneer pathogen surveillance initiatives aimed at elucidating evolutionary patterns and population dynamics. Positioned at the nexus of public health policy and pathogen evolution, she provides strategic counsel on preventive measures while spearheading participatory programs engaging vulnerable communities in monitoring circulating viral strains. Within the global scientific community, Orsi is an integral contributor to the development of various facets of the DAMA protocol, an extension of the Stockholm Paradigm (SP) framework for emerging infectious diseases. In her latest endeavor, she crafted the 3P (Prevent, Prepare, Palliate) framework, integrating the SP and DAMA with global endeavors like One Health, EcoHealth Alliance, and Medecins Sans Frontieres. Her pioneering method employs transdisciplinary efforts to unite stakeholders impacted by emerging infectious diseases, delivering transformative insights for both pathogen evolution and policy enactment.

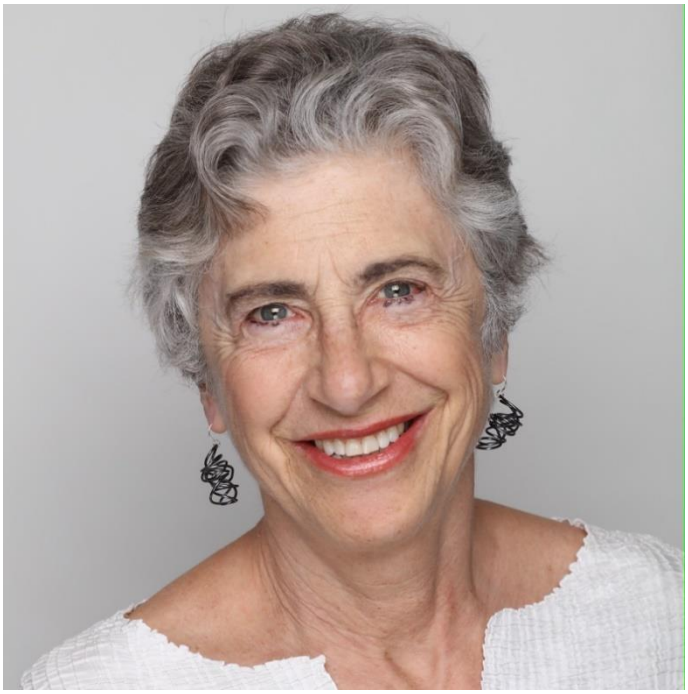
Orsi earned her DPhil from Eotvos Lorand University in Hungary, and subsequently embarked on a series of prestigious postdoctoral fellowships at Dartmouth College, USA, Universidade Federal do Rio Grande do Norte, Brazil, Museo Nacional de Ciencias Naturales, Spain, and the Konrad Lorenz Institute for Evolution and Cognition Research, Austria, before settling at the Medical University of Vienna, Austria. Currently serving as a co-Principal Investigator in the Bergthaler lab, Orsi continues to make significant contributions to cutting-edge research. In addition to her scientific pursuits, Orsi is a passionate advocate for science communication and outreach, regularly lending her expertise to media outlets during the pandemic and beyond.



Griselda Pulido-Flores is a professor/Investigator at the Universidad Autónoma del Estado de Hidalgo, Mexico, and a Senior Research Fellow, H.W. Manter Laboratory of Parasitology, University of Nebraska State Museum. She teaches Invertebrate Biology and Parasitology at the University. Her line of research focuses on the taxonomy and systematics of parasitic helminths of wildlife, with emphasis on monogeneans of marine fish. She has collaborated in the publication of 78 scientific articles, edited nine books, and 45 book chapters. She has received recognition in México as one of the top five women in systematics of helminths, received the "Mérito Garza" from the Universidad Autónoma del Estado de Hidalgo, for the impact of her collaboration in research in natural sciences, and her trajectory as a researcher and professor has been recognized for more than 20 years by the Mexican Secretary of Public Education and the National System of Researchers of Science and Technology (CONAHCYT).



Chuck Hassebrook is the Senior Vice President for Strategy at Sandhills Energy, a Nebraska renewable energy company, and Director of the Biochar Policy Project of the National Center for Appropriate Technology. He played a leading role in the introduction of the Biochar Research Network Act and other federal initiatives to support biochar. Chuck previously served 36 years with the Center for Rural Affairs of Lyons, NE, including 17 years as executive director. Under his leadership, the Center was instrumental in passage of state and federal rural development, family farm and conservation legislation. It also ran the nation's leading rural microenterprise development program. Chuck was elected three times to the University of Nebraska Board of Regents, serving 18 years, including two terms as chair. He is a native of Platte Center, Nebraska, where his family has farmed for over a century. He now lives in Lincoln with his wife Kate.



Hillary Brown, Fellow of the American Institute of Architects, is Professor Emerita of Architecture at the City College of New York, CUNY. She formerly directed CCNY's interdisciplinary Master of Science Program, *Sustainability in the Urban Environment*, developed by the Schools of Architecture, Engineering, and the Division of Science. Hillary recently served two terms as a member of the National Academies' National Research Council's Board on Infrastructure and the Constructed Environment (BICE). She is a Fellow of the Post-Carbon Institute and a Senior Research Fellow at the CUNY Institute of Urban Systems. A graduate of Yale University School of Architecture, she was a 2000 Loeb Fellow in in Advanced Environmental Studies at Harvard University Graduate School of Design, and a Robert Bosch Public Policy Fellow in 2001 at the American Academy in Berlin. For her leadership in sustainable buildings and infrastructure, Hillary was elected to the National Academy of Construction in 2019. Hillary's two recent books, *Next Generation Infrastructure: Principles for Post-Industrial Public Works* (Island Press 2014) and *Infrastructural Ecologies: Alternative Development Models for Emerging Economies* (MIT Press 2017) describe alternative, integrated approaches to urban infrastructure planning that demonstrate the crosscutting benefits of multipurpose, low-carbon, resilient urban services, better aligned with natural and social systems. She is an author and co-author of multiple book chapters and journal articles. A former design director and Assistant Commissioner at New York City's Department of Design and Construction, Hillary founded NYC's Office of Sustainable Design in 1996. She conceived and co-authored both the City of New York's *High Performance Building Guidelines* (1999*)* and its *High Performance Infrastructure Guidelines* (2005).