

Anne Magurran

University of St. Andrews, Scotland

I grew up in Northern Ireland, and attended University there. My doctoral research on biodiversity in Irish woodlands was the foundation of my interests in measuring biological diversity. Since then I have had positions in universities in Wales (Bangor), England (Oxford) and Scotland (St Andrews - my current home) and have greatly enjoyed working with colleagues in many countries and on many ecosystems. My present focus is on how biological diversity changes through time.



Birte Matthiessen

Helmholtz Centre for Ocean Research, Kiel, Germany



I obtained my PhD at the Christian Albrecht University of Kiel and am a senior scientist at the GEOMAR Helmholtz Centre for Ocean Research. I study the causes and consequences of biodiversity and how they are affected by climate change in the ocean. A special focus lays on temporal and spatial regulation of biodiversity, and eco-evolutionary dynamics. My favorite study community of which I understand most is phytoplankton.

Jonathan Chase

iDiv (German Centre for Integrative Biodiversity Research), Leipzig + Martin Luther University Halle-Wittenberg, Germany

I'm fascinated with the patterns of biodiversity variation in space and time and the processes that create those patterns. I'm particularly obsessed with the role of spatial (and temporal) scale in mediating those patterns and processes. Historically, I was an experimental community ecologist (mostly freshwater), but I've lately slipped towards 'bigger data', macroecological approaches in all sorts of taxa.



Judith Bronstein

WiKo + University of Arizona, Tucson, USA



I am University Distinguished Professor of Ecology and Evolutionary Biology, jointly appointed in the Dept. of Entomology, at the University of Arizona. My lab focuses on the ecology and evolution of interspecific interactions, particularly mutualisms. With a combination of field observations, experiments, and theory, we explore how population processes, abiotic conditions, and particularly the community context determine net effects of interactions for each participant species. At WIKO I am working with Michael Wade to build a theoretical framework to study community-context-dependent mutualisms.

Kelly Ramirez

Netherlands Institute of Ecology, Wageningen, Netherlands

I am a microbial community ecologist. I received my degree from the University of Colorado in Ecology and Evolutionary Biology, in 2014 was a fellow at sDIV in Leipzig, Germany where I worked on the synthesis of soil biodiversity information, and for the past 5 years I have been a research postdoc at the Netherlands Institute of Ecology where I study 1) biogeographical patterns of microbial communities, 2) global change effects on microbial community structure, and 3) the plant-microbiome. I also have experience translating soil biodiversity research for use in a global assessment of soil biodiversity.



Kurt Jax

Helmholtz Center for Environmental Research, Leipzig, Germany



I started as a freshwater ecologist (University of Bonn, Germany), studying the succession of protists in periphyton and looking for functional classifications of these species. I then moved into studying conceptual, historical and philosophical issues of ecology and conservation biology, working inter alia on concepts of ecological units as well as the concepts function and functioning in ecology. My recent work deals with ecosystem services, and more broadly with conservation concepts and environmental ethics.

Community Ecology in the 21st Century

Wissenschaftskolleg zu Berlin 6-8 March 2019

Michael Wade

WiKo + Indiana University, Bloomington, USA

I am a Professor of Biology at Indiana University with a broad interest in evolutionary genetics, including the processes affecting the co-evolution of hosts and their symbionts. In my book, *Adaptation in Metapopulations: How Interaction Changes Evolution* University of Chicago Press (2016), I show how interactions between genes, between genes and environments, and between species influence

micro-evolutionary patterns and sometimes leave a special signature in gene sequence variation.



Owen Petchey

University of Zurich, Switzerland



I am currently Professor of Integrative Ecology, heading the Predictive Ecology Group at the University of Zurich. Our research includes experimental and theoretical work on ecosystem responses to environmental change, developing novel experimental manipulations and observation methods, ecological forecasting, functional trait diversity, linking data and theory, and integrating fragmented theory and concepts.

Pedro Jordano

Estación Biológica de Doñana, Sevilla, Spain

My research focuses on the study of biodiversity from both ecological and evolutionary perspectives. I am interested in how ecological interactions shape complex ecological systems. The main research theme is the coevolutionary process within complex interaction networks: 1) dispersal processes, gene flow and demographic effects of interactions with pollinators and frugivores in plant populations; and 2) coevolution in complex networks of mutualistic interactions.



Thomas Lewinsohn

WiKo + University of Campinas, Brazil



I obtained my PhD in the University of Campinas, where I have taught Community Ecology for over 30 years. I study (a) plant-herbivore interactions, mostly through field surveys, with a main focus on reciprocal specialization, network structure, and their geographical variation; (b) biodiversity assessments, conservation and public policy in Brazil. I organized the first survey of Biodiversity Knowledge of Brazil for the Ministry of the Environment, and was the first president of the Brazilian Association for Ecology and Conservation.

Tina Heger

Technical University of München + Potsdam University, Germany

During my PhD at Technical University of Munich, I started working on the two main topics that I am still most interested in today: biological invasions, and conceptual ecology. By conceptual ecology, I mean the non-mathematical development of ecological theory, including terminology, and the search for ways to structure concepts and hypotheses and to enhance the connection of data and theory. Currently, I am working in the research initiative "Bridging in Biodiversity Science" in Potsdam.



William Bausman

University of Genève, Switzerland



As a philosopher of science, I am interested in the reasoning patterns and methodologies that scientists use to learn about the world and to make interventions on it. I have focused on community ecology, especially on the research programs surrounding Stephen Hubbell's Neutral Theory and David Tilman's R* Theory. I received my PhD in Philosophy at the University of Minnesota and Minnesota Center for Philosophy of Science.