

Ecology Project International's Scientific Advisory Council

Aaron Hirsh

Aaron Hirsh is a writer and biologist with strong interests in education, evolution, and the environment. He is currently at work on a biography of Earth, to be published by Farrar, Straus and Giroux. His first book, *Telling Our Way to the Sea*, was published by FSG in 2013 and received a National Outdoor Book Award. The book was a *Seattle Times* Book of the Year, and a finalist for the Saroyan International Prize. His essays have appeared in *The New York Times*, *The Wall Street Journal*, *The International Herald Tribune*, *The American Scholar*, *Nautilus*, and *The Best American Science Writing*. His scientific work has been published in *Science*, *Nature*, *PNAS*, and a number of other journals. Hirsh is currently a Research Associate in the Department of Ecology and Evolutionary Biology at the University of Colorado—Boulder, as well as chair of the Vermilion Sea Institute. Hirsh received his B.A. in Biology from Princeton University and his Ph.D., also in Biology, from Stanford University. In the 1990's, he was a founder of the biotechnology company InterCell, and he later helped found Roberts and Company Scientific Publishers. More recent entrepreneurial ventures include NGXBio, a genomics company, and brickandletters.com.

Carrie Kappel

Carrie Kappel is a Research Scientist and Senior Fellow at UC Santa Barbara's National Center for Ecological Analysis and Synthesis. A marine conservation biologist and community ecologist by training, she has worked in coral reefs, kelp forests and rocky intertidal systems and now uses collaborative synthesis science to develop conservation solutions that protect marine ecosystems and enhance human wellbeing. Her research has helped to inform marine protected area design, ecosystem-based management, and marine spatial planning. Kappel currently leads a large, multi-institution collaboration called the [Ocean Tipping Points](#) project, which is integrating our growing understanding of tipping points in marine ecosystems into ocean management through practical tools and approaches. She serves on the Science Advisory Council for the [Science for Nature and People Partnership](#) and provides facilitation services to SNAPP working groups, drawing upon her long history participating in and leading interdisciplinary, collaborative team science projects. She is passionate about helping diverse groups come together to solve challenging problems. Kappel received her B.S. from Brown University and her Ph.D. from Stanford University and spent five years in between working as an environmental educator for the [Teton Science Schools](#), [Ogden Nature Center](#), and as an independent

consultant. She served on Ecology Project International's Board of Directors from 2011-2017.

Dmitri Petrov

Dmitri Petrov is a Michelle and Kevin Douglas Professor of Biology, Associate Chair of the Biology Department, and Director of the Center for Conservation Genomics at Stanford University. He received his Ph.D. in 1997 from Harvard University under the guidance of [Daniel Hartl](#) and [Richard Lewontin](#). He was a [Junior Fellow](#) at the Harvard Society of Fellows and a Research Fellow in the Genetics Department at Harvard Medical School under the guidance of [Chao-Ting Wu](#). Dmitri came to Stanford in 2000 as an Assistant Professor. The Petrov lab does theoretical, computational and experimental work to address questions in molecular evolution, molecular population genomics, and conservation genomics. The primary focus at the moment is on (i) population genetics and molecular mechanisms of adaptation, (ii) genome evolution, and (iii) development of genomic tools for management of threatened and endangered species.

Stephen Porder

Stephen Porder is an associate professor in the [Dept. of Ecology and Evolutionary Biology](#) and fellow in Brown's [Institute at Brown for Environment and Society](#). His research lies at the intersection between ecology, geology, and biogeochemistry, and focuses primarily on understanding differences in nutrient cycling across tropical landscapes. He has two main research foci: intact tropical forests and the consequences of their conversion to agriculture. In the context of intact forests, Porder tries to identify biogeochemical patterns across landscapes, to understand how these patterns may affect the function and services of ecosystems, and to consider how to incorporate this variation into models for predicting the response of ecosystems to anthropogenic changes. To do this, his lab combines field work, chemical and isotopic analyses, GIS and remote sensing. His lab is also working to understand how agriculture, particularly industrial-scale, highly mechanized agriculture, will influence adjacent forests, and what happens in remnant forests that are left in a matrix of farmland.

Lynn Price

Lynn Price is a Senior Advisor for the International Energy Analysis Department and the China Energy Group in the Energy Analysis and Environmental Impacts Division, Energy Technologies Area, of Lawrence Berkeley National Laboratory. She previously served as a Senior Scientist, Acting Division Director for the Energy

Analysis and Environmental Impacts Division, Head of International Energy Analysis Department, and Leader of the China Energy Group. Lynn is also an Affiliated Faculty member of the Energy and Resources Group at the University of California-Berkeley. Lynn has a MS in Environmental Science from the University of Wisconsin-Madison and has worked at LBNL since 1990. She has been a member of the Intergovernmental Panel on Climate Change, which won the Nobel Peace Prize in 2007, since 1994 and was a lead author of IPCC's Second, Third, Fourth, and Fifth Assessment Reports on Mitigation of Climate Change. Lynn has provided technical and policy-making assistance related to energy efficiency and climate change mitigation on a variety of projects since the early 1990s for the U.S. Department of Energy, U.S. State Department, U.S. Environmental Protection Agency, World Bank, United Nations Industrial Development Organization, U.S. Agency for International Development, California Energy Commission, California Air Resources Board, Energy Foundation China, ClimateWorks Foundation, Hewlett Foundation, Oak Foundation, Bloomberg Philanthropies, and others.

Taylor Ricketts

Taylor Ricketts is Gund Professor and Director of the Gund Institute for Environment at the University of Vermont. Taylor's research centers on the overarching question: How do we meet the needs of people and nature in an increasingly crowded, changing world? His recent work has focused on the economic and health benefits provided to people by forests, wetlands, reefs, and other natural areas. He is co-founder of the Natural Capital Project, a partnership among universities and NGOs to map and value these natural benefits. Taylor has also served as an author and editor for two UN-sponsored efforts to assess global ecosystems and their contributions to human wellbeing. These and other collaborations are part of a continuing effort to link rigorous research with practical conservation and policy efforts worldwide. Before arriving at UVM in 2011, Taylor led World Wildlife Fund's Conservation Science Program for nine years. He is the author of more than 100 scientific publications, and Thompson-Reuters has named him one of the world's most cited and influential scientists.

Sofía Rodríguez-Brenes

Sofía Rodríguez-Brenes is a herpetologist, ethologist, teacher, amateur potter, and mom. Her experience includes field and classroom teaching at high school and university levels in English and Spanish and research in amphibian ecology, behavior, communication, and infectious diseases. Sofia studied biology at the University of Costa Rica and earned a doctorate in ecology, evolution and behavior at The University of Texas at Austin. Sofia's continuing interest is at the

intersection of animal behavior, sexual selection, and disease ecology, especially changes in behavior caused by infection. She remains passionate about teaching, especially in the field and hopes to immerse as many young and curious minds as possible to the wonders of our biosphere.