

THURSDAY November 8**Katie Hinde, Ph.D.**

Associate Professor, School of Human Evolution and Social Change
Center for Evolution and Medicine, Arizona State University, Tempe, AZ

Katie Hinde is an Associate Professor in the School of Human Evolution and Social Change, Center for Evolution and Medicine, at Arizona State University. As Director of the Comparative Lactation Lab, she investigates the evolutionary ecology and behavioral biology of milk, mothers, and infants. Hinde earned a B.A. in Anthropology from the University of Washington in 1999 and a Ph.D. in Anthropology from UCLA in 2008. In addition to dozens of scholarly publications, Hinde co-edited “Building Babies: Primate Developmental Trajectories in Ultimate and Proximate Perspective”, and Hinde’s TED talk “What We Don’t

Know About Mother’s Milk” has been viewed over one million times. Hinde received Early Career Achievement Awards from the American Society of Primatologists and the International Society for Research in Human Milk and Lactation and has been recognized for her public outreach, sustainability, and academic activism. She showcases research on mother’s milk, breastfeeding, and lactation for the general public, clinicians, and researchers at her blog “Mammals Suck... Milk!” Hinde is also the founder, director, and Editor-in-Chief for *March Mammal Madness*, an annual online science celebration since 2013.



➔ For session details, see page 24.

FRIDAY November 9**Sean M. Carroll, Ph.D.**

Research Professor of Physics

Walter Burke Institute for Theoretical Physics, Caltech, Pasadena, CA

Sean Carroll is a Research Professor of theoretical physics at the California Institute of Technology. He received his Ph.D. in 1993 from Harvard University. His research focuses on fundamental physics and cosmology, quantum gravity and spacetime, and the evolution of entropy and complexity. He is the author of *The Big Picture: On the Origins of Life, Meaning, and the Universe Itself*; *The Particle at the End of the Universe: How the Hunt for the Higgs Boson Leads Us to the Edge of a New World*; *From Eternity to Here: The Quest for the Ultimate Theory*

of Time; and the textbook *Spacetime and Geometry: An Introduction to General Relativity*. He has been awarded prizes and fellowships by the National Science Foundation, NASA, the Sloan Foundation, the Packard Foundation, the American Physical Society, the American Institute of Physics, the Freedom From Religion Foundation, the Royal Society of London, and the Guggenheim Foundation. He frequently consults for film and television, and has been featured on shows such as *The Colbert Report*, PBS’s *NOVA*, and *Through the Wormhole with Morgan Freeman*.



➔ For session details, see page 27.

SATURDAY November 10

Ed Yong*The Atlantic*

Washington, DC

Ed Yong is a science journalist who reports for *The Atlantic* and is based in Washington DC. His work appears several times a week on The Atlantic's website, and has also been featured in National Geographic, the New Yorker, Wired, Nature, New Scientist, Scientific American, and many more. He has won a variety of awards, including the Byron H. Waksman Award for Excellence in

the Public Communication of Life Sciences in 2016, and the National Academies Keck Science Communication Award in 2010. *I Contain Multitudes*, his first book, became a New York Times best-seller and inspired an online film series, an anthology of plays, and a clue on Jeopardy!. Ed has a Chatham Island black robin named after him.



**DISTINGUISHED SERVICE
AWARD WINNER**

➔ For session details, see page 61.

NABT is proud to honor Mr. Ed Yong with the 2018 NABT Distinguished Service Award.

GENERAL SESSION SPEAKER

SATURDAY November 10

Kirstie Ruppert**Senior Research Coordinator, Community Engagement**

Institute for Conservation Research, San Diego Zoo Global, Escondido, CA

Kirstie Ruppert works at the research arm of San Diego Zoo Global on the Community Engagement team. In this position, she conducts social research to understand the human dimensions of conservation issues and to evaluate conservation learning programs. Her current efforts are concentrated in Kenya, leading social science and community outreach for SDZG conservation efforts and assisting conservation organizations in the region with their education and evaluation planning. She is interested in the cultural relevance

of wildlife conservation, approaches to understand and address human-wildlife conflicts, and the integration of human dimensions information with ecological data to address complex issues. Kirstie has a B.Sc. in Environmental Sciences from the University of California, Los Angeles, and a M.A. in Zoology from Miami University. She is a Ph.D. candidate at the University of Maine in Human Dimensions of Ecology and Environmental Sciences, studying illegal wildlife hunting behavior and poaching as a threat to giraffes.



➔ For session details, see page 63.

Educational programming support has been provided by **BIO-RAD**

FEATURED SPEAKER

FRIDAY November 9



APS SPONSORED SPEAKER

Tatum Simonson, Ph.D.
 Assistant Professor, Department of
 Medicine, School of Medicine
 University of California San Diego,
 La Jolla, CA

Tatum Simonson applies integrative physiological genomics approaches to understand systems-level responses to low oxygen (hypoxia) in highland populations. Her research provides evidence for genetic adaptations to high altitude and identifies associations among adaptive genetic factors and physiological traits. Aside from her research in the highlands of Tibet and Peru, her team studies natural variation in human responses to low oxygen and aims to understand the contributions of genetic and epigenetic factors to variation in hypoxia-related disease states (e.g., sleep apnea, altitude illness, and cardiopulmonary disease). These and related interdisciplinary efforts are coordinated through the recently developed Center for Physiological Genomics of Low Oxygen (CPGLO) at UC San Diego.

➔ For session details, see page 36.

**Ron Swaisgood, Ph.D.**

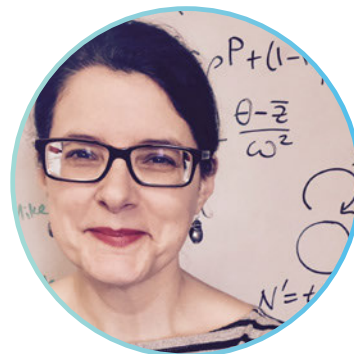
Director, Recovery Ecology
 Institute for Conservation Research,
 San Diego Zoo Global, Escondido, CA

Ron Swaisgood serves San Diego Zoo Global as the Brown Endowed Director of Recovery Ecology. He also heads the Giant Panda Conservation Unit and is the General Scientific Director of the Cocha Cashu Biological Station in Manu National Park, in the Peruvian Amazon. Ron has a bachelor's degree from the University of North Carolina at Chapel Hill and a Ph.D. in Animal Behavior from the University of California, Davis. His interests lie primarily in the pragmatic application of ecological and behavioral knowledge to solving conservation problems, and he oversees conservation programs for several diverse species. His research focuses around themes involving habitat use and requirements, anthropogenic threats, translocation biology, and conservation breeding. As an advocate for reconnecting society to nature, he has served on committees for the Children & Nature Network, is co-President of San Diego Children & Nature Collaborative, and co-founded Family Adventures in Nature in 2009.

Special consideration provided by Bio-Rad.

➔ For session details, see page 33.

SATURDAY November 10

SCOTT WILLIAMSON
SPEAKER SERIES**Maria E. Orive, Ph.D.**

Associate Professor, Department of
 Ecology & Evolutionary Biology
 University of Kansas, Lawrence, KS

Maria E. Orive is an associate professor of evolutionary theory in the Department of Ecology and Evolutionary Biology at the University of Kansas. Her research develops mathematical models that provide a conceptual framework for exploring important questions in evolutionary biology. She has focused on the role of reproductive strategy in shaping the genetic diversity available for evolution to act on, and the relative strength of those evolutionary forces.

Maria received her B.S. with Honors from Stanford University, and her Ph.D. from the University of California at Berkeley. She was awarded an NSF Minority Graduate Fellowship and was an NSF-NATO Postdoctoral Fellow at the University of Edinburgh. During 2007-2008, she was the Carl and Lily Pforzheimer Foundation Fellow at the Radcliffe Institute for Advanced Study at Harvard University.

➔ For session details, see page 47.