



Saturday, November 2, 2019  
 UC Davis School of Medicine, Education Building  
 Sacramento, CA

8:00-9:00AM

**Registration & Continental Breakfast**

9:00-9:10AM

**Welcome Remarks**

*Gary S. May, Chancellor (University of California, Davis)*

9:10-10:00AM

**Keynote Calvin Schwabe Lectureship:**

*Christine Kreuder Johnson, VMD, MPVM, PhD*

10:00-10:10AM

**Break**

10:10AM-12:00PM

**Health Across the Urban-Rural Interface: Panel and Q&A**

*Moderator: Stephanie Rasmussen, MD candidate*

*Peter Freer-Smith, PhD*

*Kevin Keel, DVM, MS, PhD*

*Pramod Pandey, PhD*

*Susanne Sokolow, DVM, PhD*

12:00-1:00PM

**Lunch**

1:00-2:50PM

**Political Interfaces and One Health: Panel and Q&A**

*Moderator: Tyler Barzee, Biological Systems Engineering PhD Candidate*

*Stefano Bertozzi, MD, PhD*

*Carrie Teicher, MPH, MD*

*Eric Davis, DVM, MS*

*Amanda Crump, PhD, MS*

2:50-3:00PM

**Break**

3:00-4:40PM

**Breakout Sessions and Group Debrief**

**US/Mexico Border**

Facilitator:

*Sergio Aguilar-Gaxiola,  
 MD, PhD*

**Coastal Borders**

Facilitator:

*Melissa Miller,  
 DVM, PhD, MS*

**Cultural Interfaces**

Facilitator:

*Eric Davis,  
 DVM, MS*

4:50-5:00PM

**Concluding Remarks**

*Michael Lairmore, Dean & Distinguished Professor (School of Veterinary Medicine, University of California, Davis)*

*Allison Brashear, Dean (School of Medicine, University of California, Davis)*

5:00-6:00PM

**Reception/Poster Session**

# SPEAKER BIOS



CALVIN SCHWABE LECTURESHIP SPEAKER

**CHRISTINE KREUDER JOHNSON, VMD, MPVM, PhD**

*One Health Institute, UC Davis School of Veterinary Medicine*

Christine Kreuder Johnson is Professor of Epidemiology and Ecosystem Health and Associate Director of the One Health Institute in the School of Veterinary Medicine at UC Davis where she directs the EpiCenter for Disease Dynamics. Her research activities focus on disease spillover and spread, epidemiologic drivers of zoonotic disease transmission, ecosystem level processes that impact wildlife population health and emerging infectious diseases, and mechanisms underlying declines in wildlife population health. She provides epidemiologic support to state and national agencies to understand epidemic threats to wildlife and she has developed risk-based approaches for surveillance and risk characterization across a range of field studies from the local to global scale. Professor Johnson currently directs animal and human surveillance activities for USAID's Emerging Pandemic Threats PREDICT project to detect disease spillover, amplification, and spread and inform risk mitigation. At UC Davis, she has designed core didactic instruction in one health and ecosystem health for graduate and professional degree programs and trains graduate students and post-doctoral scholars in wildlife epidemiology and disease ecology.



**SERGIO AGUILAR-GAXIOLA, MD PhD**

*Center for Reducing Health Disparities, UC Davis School of Medicine*

Sergio Aguilar-Gaxiola's research includes cross-national comparative epidemiologic research on patterns and correlates of mental disorders and substance abuse in general population samples. His applied research program has focused on identifying unmet mental health needs and associated risk and protective factors to better understand and meet population mental health needs and reduce mental health disparities primarily in underserved populations.



**STEFANO BERTOZZI, MD, PhD**

*UC Berkeley School of Public Health*

Stefano Bertozzi is dean emeritus and professor of health policy and management at the UC Berkeley School of Public Health. Previously, he directed the HIV and tuberculosis programs at the Bill and Melinda Gates Foundation. Dr. Bertozzi worked at the Mexican National Institute of Public Health as director of its Center for Evaluation Research and Surveys. He was the last director of the WHO Global Programme on AIDS and has also held positions with UNAIDS, the World Bank and the government of the DRC. He is currently co-chair of the Health Working Group for the UC – Mexico Initiative and co-editor of the Disease Control Priorities (DCP3) volume on HIV/AIDS, Malaria & Tuberculosis. He has served on governance and advisory boards for WHO, UNAIDS, the Global Fund, PEPFAR, the NIH, Duke University, the University of Washington and the AMA. He has advised NGOs, and ministries of health and social welfare in Asia, Africa and Latin America. He is a member of the National Academy of Medicine. He holds a bachelor's degree in biology and a PhD in health policy and management from the Massachusetts Institute of Technology. He earned his medical degree at UC San Diego, and trained in internal medicine at UC San Francisco.



**AMANDA CRUMP, PhD, MS**

*UC Davis Teaching in International Agricultural Development*

Amanda Crump is Assistant Professor of Teaching in International Agricultural Development at University of California, Davis. Her research focuses on improving educational outcomes for women and other underserved adults studying and working in agriculture. She is developing new evaluation metrics for undergraduate instructors and working with extension educators to improve educational outcomes for people who have less access to formal education. Dr. Crump has managed over \$40 million in international and domestic agricultural research projects and her mentees now work as gender equity specialists, program managers and evaluators throughout the world. She earned a PhD in education from University of California, Davis, a M.S. degree in plant pathology and weed science from Colorado State University, and a B.S. in agricultural education from the University of Idaho. Originally from a farm, Amanda spends her free time gardening.



**ERIC DAVIS, DVM, MS**

*UC Davis School of Veterinary Medicine*

Eric Davis is a veterinarian with the University of California, Davis, School of Veterinary Medicine and an associate of the school's International Animal Welfare Training Institute and its Veterinary Emergency Response Team (VERT). Additionally, he serves as the lead veterinarian for the California State Fair. In 2015, Davis worked alongside CalFire and CalOES officials leading VERT's activities during the Valley Fire, the second largest wildfire in California history. He is the founder of Rural Area Veterinary Services, and directed this program for the Humane Society of the United States for 10 years. During this time, Davis was deployed to Louisiana during hurricanes Katrina and Rita in 2005 and to Sri Lanka following the 2004 Tsunami. He provided leadership and patient care by organizing emergency animal sheltering. He is director of the Rural Veterinary Experience Teaching and Service, volunteering in underserved communities of the western United States, Mexico, and Nicaragua while mentoring veterinary students interested in rural practice.



**PETER FREER-SMITH, PhD**

*UC Davis Department of Environmental Science and Policy*

Peter Freer-Smith is an Adjunct Professor in the Department of Environmental Science and Policy and co chair of the IUFRO Task Force "Sustainable Planted Forests for a Greener Future". He has been interested in the effects of air pollution on ecosystems and crops since his PhD in which he looked at the effects of sulphur and nitrogen pollution on trees. More recently he has worked on urban greenspace, particularly the benefits to air quality and temperature in cities. He has current research funding from the California Air Resources Board to review the best use of biomass to meet air quality and climate goals. Peter is also a member of the California Board of Forestry & Fire Protection, Effectiveness Monitoring Committee and previously he was the UK Forestry Commission's Chief Scientific Adviser.



**KEVIN KEEL, DVM, MS, PhD**

*UC Davis School of Veterinary Medicine*

Kevin Keel is a veterinary pathologist and associate professor in the Department of Pathology Microbiology and Immunology, School of Veterinary Medicine, UC Davis. He received an M.S. in wildlife biology and a D.V.M. from the University of Georgia. His residency in anatomic pathology was completed at U.C. Davis and he received a PhD in Microbiology from the University of Arizona. He currently provides pathology services to the Veterinary Medical Teaching Hospital, lectures in the veterinary curriculum (infectious diseases, renal pathology and reproductive pathology), assists with the training of anatomic pathology residents and conducts research concerning infectious diseases of wildlife. He also is an instructor for the undergraduate course, "One Health: Human, Animal &

Environmental Interfaces. His research is focused on emerging infectious diseases of wildlife and he has extensive collaboration with university researchers and personnel from state and federal wildlife agencies. Prior to coming to UC Davis, he spent ten years working for the Southeastern Cooperative Wildlife Disease Study (SCWDS) at the University of Georgia. His responsibilities at SCWDS included supervising the diagnostic service, providing consultation to stakeholders in various state and federal agencies, and pursuing various infectious disease research projects.



**MELISSA MILLER, DVM, PhD, MS**

*California Department of Fish and Wildlife*

Dr. Miller's research focuses on causes of mortality for California's coastal marine wildlife. Her research efforts are guided by, and build upon her work as a Veterinary Pathologist, working for the California Department of Fish and Wildlife, Office of Spill Prevention and Response. In addition to supporting spill response efforts throughout California, Dr. Miller investigates marine wildlife disease in relation to land-sea pollution. Her goal is to complete solution-focused research to inform environmental policy, catalyze mitigation and benefit California's wildlife resources.



**PRAMOD PANDEY, PhD**

*Population Health & Reproduction, UC Davis School of Veterinary Medicine*

Pramod Pandey is an associate specialist and faculty member in the Department of Population Health and Reproduction, University of California, Davis, USA. He has more than a decade of research expertise in manure management, anaerobic digestion, and related issues such as microbial pollution in ambient water caused by animal waste. He has about 200 research articles in animal waste and water contamination issues. Recently, he was awarded the Governor's Environmental and Economic Leadership Awards, California's highest environmental honor. Prior to joining UC Davis, he has completed his educations from Iowa State University, Washington State University, Texas A&M University, and Indian Institute of Technology, Kharagpur, India.



**SUSANNE SOKOLOW, DVM, PhD**

*Stanford Woods Institute for the Environment/UC Santa Barbara Marine Science Institute*

Dr. Sokolow is a disease ecologist and veterinarian at Stanford University's Woods Institute for the Environment and UC Santa Barbara's Marine Science Institute. As Executive Director of Stanford's new Program for Disease Ecology, Health and the Environment, she is interested in discovering and promoting ecological solutions that benefit human health and a healthy environment. As part of her research program, she founded The Upstream Alliance: a research initiative joining partners across the globe for reduction of the parasitic disease: schistosomiasis.



**CARRIE TEICHER, MPH, MD**

*Doctors Without Borders/Médecins Sans Frontières USA*

Carrie Teicher is the Director of Programs at Doctors Without Borders / Médecins Sans Frontières USA. Prior to joining the MSF-USA management team, she worked for seven years as a medical epidemiologist with Epicentre ([www.epicentre.msf.org](http://www.epicentre.msf.org)) and currently also serves as the Epicentre USA Representative. Carrie has worked with Epicentre and MSF in several different roles and numerous contexts including work in South Sudan, Sudan, Kenya, Angola, Senegal, Mali, the Democratic Republic of the Congo, Niger, Nigeria, Haiti, Palestine, and Jordan. Outside of MSF, Dr. Teicher has additionally served as a medical coordinator, primary investigator or program coordinator in the global health sector including work in Ethiopia, Kenya, Namibia, India, Israel, and OPT. She holds an MD from the Sackler School of Medicine, an MPH from The Mailman School of Public Health at Columbia University, and a BA from Barnard College. From 2001-2003 she served in the Peace Corps in Mali.