7th ANNUAL ONE HEALTH SYMPOSIUM

FUTURE OF FOOD

NOVEMBER 7, 2020
FREE VIRTUAL EVENT
Saturday, November 7, 2020
EVENT LINK: register.onehealth.institute

9:00 – 9:10 AM  Welcome Remarks  
   Gary S. May  Chancellor, UC Davis

9:10 – 10:00 AM  Keynote Calvin Schwabe Lectureship  
   Alice Waters

10:00 – 10:10 AM  Introduction to One Health  
   Michael Ziccardi  Executive Director, UC Davis One Health Institute

10:10 – 11:40 AM  PANEL 1: All About Bugs  
   Elina Niño  
   Janine Dermody  
   Lydia Palma  
   Michael O’Malley  
   Moderator: Annabelle Louderback-Valenzuela

11:40 – 11:50 AM  BREAK

11:50 – 1:20 PM  PANEL 2: Appetite for Aquaculture  
   Corey Peet  
   Jennifer Dianto Kemmerly  
   Ermias Kebreab  
   Pam Yochem  
   Moderator: Shannon McDiarmid

1:20 – 1:35 PM  LUNCH

1:35 – 3:05 PM  PANEL 3: COVID Cafeteria  
   Catherine Brinkley  
   Jill Hobbs  
   Jonathan Sleeman  
   Blake Naughton  
   Moderator: Leyla S. Farshidpour

3:05 – 3:10 PM  BREAK

3:10 – 4:15 PM  PANEL 4: Student Emerging Research  
   Moderators: Felicia Yen & Johanna Vega Garcia

4:15 – 4:25 PM  VBMA/SOH Business Challenge

4:25 – 4:45 PM  Concluding Remarks  
   Michael Lairmore  Dean & Distinguished Professor, UC Davis School of Veterinary Medicine  
   Allison Brashear  Dean, UC Davis School of Medicine  
   Stephen Cavanagh  Dignity Health Dean’s Chair for Nursing Leadership, Dean & Professor, UC Davis Betty Irene Moore School of Nursing
2020 PANELISTS

Catherine Brinkley
Associate Professor, Department of Human Ecology, Community & Regional Development, College of Agricultural & Environmental Sciences, UC Davis

Catherine Brinkley is an Associate Professor in Human Ecology, Community and Regional Development in the College of Agricultural and Environmental Sciences. With a PhD in city and regional planning, a veterinary medical degree, and a masters in virology, her research focuses on health and design. She is a former Fulbright Scholar, Watson Fellow, and National Science Foundation Career Award Winner.

Janine Dermody
Professor, Oxford Brookes University

Janine has researched sustainable consumption challenges in developed and emerging economies for the majority of her academic career. She is particularly interested in those sustainability behaviours that are considered weird and difficult. This includes food security and edible insects, wildlife friendly coffee for nature conservation, repairing and repurposing products to extend their lifespan, and people who are thrown-away in the name of sustainability – particularly the poor and dispossessed.

Janine has led multiple research studies spanning China, Europe, India and the USA. Using mixed methods, she strives to identify how sustainable consumption can be increased and consumerism reduced for ecological-human good. Furthermore, how consumption-based sustainability problems should be addressed. She is widely published, regularly presents at international conferences and symposia, and engages with the public at sustainability and science events, and online.

Jill Hobbs
Professor, Department of Agricultural & Resource Economics, University of Saskatchewan

Jill E Hobbs is a Professor in the Department of Agricultural and Resource Economics at the University of Saskatchewan, Canada. Her research areas include agri-food supply chains, consumer behaviour, and food policy. Her recent research has examined food safety and quality, traceability and authenticity in agri-food supply chains, consumer trust and attitudes toward novel technologies, and the regulation of health foods in Canada and internationally. She was appointed as a Fellow of the Canadian Agricultural Economics Society in 2017.

Ermias Kebreab
Associate Dean of Global Engagement, College of Agricultural & Environmental Sciences

Dr. Ermias Kebreab is Associate Dean of Global Engagement and Director of World Food Center at University of California, Davis. He also holds the Sesnon Endowed Chair in Sustainable Agriculture. He conducts research in nutrition modeling and impact of livestock on the environment. He is contributing author to 2019 IPCC update, and chairs the feed additive committee of UN FAO. He has authored over 200 peer-reviewed articles and received several awards including Excellence in Ruminant Nutrition and International Agriculture from American Society of Animal Science. Dr. Kebreab received BSc from University of Asmara, Eritrea, MSc and Ph.D. from University of Reading, UK.
JENNIFER DIANTO KEMMERLY
Vice President, Global Ocean Initiatives, Monterey Bay Aquarium

Jennifer directs Monterey Bay Aquarium’s activities in support of sustainable fisheries and aquaculture on a global scale, working with a range of stakeholders to drive improvements in environmental performance, social responsibility and management. This includes the respected Seafood Watch program, which engages and empowers North American consumers and businesses to support ocean-friendly fisheries and aquaculture through their purchasing decisions. Jennifer also oversees Monterey Bay Aquarium’s commitment to sustainability, with a focus on reducing the institution’s environmental footprint and modeling best practices – especially those in support of the Aquarium’s ocean plastic pollution and climate change conservation goals.

Jennifer has over 20 years of experience in sustainable fisheries and currently serves in a leadership capacity driving greater collaboration among stakeholder groups. As such, she participates in the Conservation Alliance for Seafood Solutions Advisory Board, Certification and Ratings Collaboration Steering Committee, Global Sustainable Seafood Initiative Steering Board, Seafood Stewardship Initiative Expert Review Committee, NGO Tuna Forum Steering Committee, and is a member of the Environmental Stakeholder Committee of the International Seafood Sustainability Foundation.

ELINA NIÑO
Extension Specialist for Apiculture, Department of Entomology & Nematology, UC Davis

Elina L. Niño is an Extension Specialist for Apiculture with UC ANR UCCE located in the Department of Entomology and Nematology at UC Davis. Through her extension activities, Dr. Niño works to support beekeepers and the beekeeping industry. She serves as the research liaison on the CSBA Board and as a member of the Pollinator Workgroup for the Almond Board of California. Her lab also offers a variety of beekeeping courses and educational opportunities for beekeepers, future beekeepers, other agricultural professionals and the general public. Most recently, her lab has implemented the first California Master Beekeeper Program. Dr. Niño’s research interests encompass basic and applied approaches to understanding and improving honey bee health and particularly honey bee queen health. Ongoing research projects include understanding queen mating and reproductive processes, testing novel biopesticides for efficacy against varroa mites, and evaluating almond orchard pollination management practices with a goal of improving honey bee health.

MICHAEL O’ MALLEY
Associate Clinical Professor, Center for Health and Environment, UC Davis

Dr. Michael O’Malley is a graduate of the University of California, Santa Cruz with a bachelor’s degree in chemistry. He graduated from the University of Illinois College of Medicine, Chicago, then completed an internship at LA County Hospital, a family practice residency at Natividad Medical Center in Salinas, and an occupational medicine residency at the University of California, Irvine. His other training includes a Masters of Public Health in Epidemiology from University of California, Los Angeles School of Public Health and a fellowship in epidemiology at the U.S. Centers for Disease Control, assigned to the National Institute for Occupational Safety and Health. He has worked as the Medical Director at the Occupational Health Service for UC Davis, as an urgent care provider at UC Davis Student Health. He is currently faculty at the Center for Health and the Environment in the Department of Public Health Sciences. As part of his work, he also serves as a medical consultant to California Department of Pesticide Regulation. He has worked with that department’s pesticide illness registry program since 1987 and published numerous articles and book chapters on the health effects of pesticides. Since September 2018 he has served as associate editor for the Journal of Agromedicine, overseeing the review of work on pesticides, anaphylaxis in beekeepers, the effect of Covid-19 on US agricultural workers and other subjects.

BLAKE NAUGHTON
Vice President of Engagement & Extension, Colorado State University

Blake Naughton serves as vice president of engagement and extension at Colorado State University beginning in December 2019 after having served for three years as associate vice chancellor for extension and engagement at the University of Missouri. Dr. Naughton is recognized for his expertise in education and administrative leadership, partnership development and performance management in higher education. Throughout his professional career, he has focused on demonstrating that higher education can transform lives by showing in measurable, relevant, and actionable ways how universities can best serve citizens and communities. At CSU engagement and extension, Dr. Naughton oversees several units including: the Colorado Water Center, CSU Extension, and CSU Extended Campus which all provide science-based community outreach programming that extends the services of the University across Colorado and beyond and seeks to help fulfill Colorado State University’s land-grant mission. He also serves as professor of human development focusing on how individuals, organizations, and communities benefit from lifelong educational programs and services.

JENNIFER DIANTO KEMMERLY
Vice President, Global Ocean Initiatives, Monterey Bay Aquarium

Jennifer directs Monterey Bay Aquarium’s activities in support of sustainable fisheries and aquaculture on a global scale, working with a range of stakeholders to drive improvements in environmental performance, social responsibility and management. This includes the respected Seafood Watch program, which engages and empowers North American consumers and businesses to support ocean-friendly fisheries and aquaculture through their purchasing decisions. Jennifer also oversees Monterey Bay Aquarium’s commitment to sustainability, with a focus on reducing the institution’s environmental footprint and modeling best practices – especially those in support of the Aquarium’s ocean plastic pollution and climate change conservation goals.

Jennifer has over 20 years of experience in sustainable fisheries and currently serves in a leadership capacity driving greater collaboration among stakeholder groups. As such, she participates in the Conservation Alliance for Seafood Solutions Advisory Board, Certification and Ratings Collaboration Steering Committee, Global Sustainable Seafood Initiative Steering Board, Seafood Stewardship Initiative Expert Review Committee, NGO Tuna Forum Steering Committee, and is a member of the Environmental Stakeholder Committee of the International Seafood Sustainability Foundation.
JONATHAN SLEEMAN
Center Director, USGS National Wildlife Health Center
Dr. Jonathan Sleeman is currently the Center Director for the USGS National Wildlife Health Center where he leads a team of scientists and support staff to investigate and research wildlife diseases that threaten wildlife populations, public health, and the economy. He received his master’s degree in zoology and his veterinary degree from the University of Cambridge, and completed an internship and residency in zoological medicine at the University of Tennessee. He is a Diplomate of the American College of Zoological Medicine. He has published widely on topics related to wildlife anesthesia, emerging diseases of wildlife, wildlife epidemiology, risk assessment, One Health, and Ecohealth. He holds a variety of leadership positions including a member of the OIE’s Working Group on Wildlife and is a Board member for Ecohealth International. Current interests include development of national wildlife health programs in Asia and Africa, broad-scale wildlife disease risk assessments, and leadership skills in wildlife health.

PAMELA YOCHEM
Chief Science Officer, Hubbs-SeaWorld Research Institute
Dr. Pam Yocem has studied the population biology, behavioral ecology and health of marine vertebrates for 40 years and has published over 50 peer-reviewed journal articles and book chapters. Dr. Yocem holds an M.S. (ecology) from San Diego State University, a D.V.M. (wildlife emphasis) from the University of California – Davis (UCD), School of Veterinary Medicine, and a Ph.D. in Comparative Pathology from UCD. Her current research interests include wildlife disease ecology and epidemiology, marine ecosystem health, and wildlife emergency response. Dr. Yocem is a USDA-accredited veterinarian and is an affiliated faculty member of the Wildlife Health Center at UCD. Dr. Yocem chairs the Institutional Animal Care and Use Committee and Fish Health Management Team for HSWRI, is a member of the Advisory Board and the Scientific Advisory Committee for the California Oiled Wildlife Care Network and is a former member of the Unified Port of San Diego’s Environmental Committee. Dr. Yocem was appointed to two terms of service (2012-2018) on the Marine Fisheries Advisory Committee, a FACA committee that advises the Secretary of Commerce on living marine resource issues including harmful interactions between humans and aquatic animals.

LYDIA PALMA-MINER
Co-Founder, BioMilitus
Lydia Palma-Miner is co-founder of BioMilitus, a sustainable animal feed startup company that utilizes larvae to rapidly convert agricultural residues into protein-rich insect biomass. Lydia is passionate about recycling waste and food production and received her doctorate in Biosystems and Agricultural Engineering at UC Davis. Her dissertation research emphasized the environmental control for the production of black soldier fly larvae used for poultry feed. Previously, Lydia earned a M.S. and B.S. in Mechanical Engineering from CSU Sacramento where she designed, built and tested a biodiesel conversion system from food waste. Currently, Lydia is a Mechanical Engineering Designer at Dr. Greenhouse, Inc., a mechanical and agricultural engineering firm in Sacramento, CA that specializes in HVAC design for greenhouses and indoor farms. She has helped design controlled environment solutions for leafy greens, strawberries and cannabis.

COREY PEET
Co-Founder, Postelsia
Corey is the co-founder of Postelsia and has worked on sustainable seafood issues for nearly 20 years. He is a passionate advocate for creative change and he works with the Postelsia team to build sustainability solutions that are fully inclusive, equitable, and work to solve problems for the whole supply chain. His recent work has focused on Southeast Asia where he has supported the development of the Asian Seafood Improvement Collaborative, a group of seafood industry stakeholders working to build their own fisheries and shrimp aquaculture improvement programs. In addition, Postelsia is working to develop an innovative restaurant sustainability program that builds upon its work with the James Beard Foundation’s Smart Catch program, for which he was the Sustainability Director. Corey has experience working on seafood sustainability assessments, standards definition and implementation, leading and developing multi-stakeholder initiatives as well as working to help buyers understand sustainability issues and provide guidance to meet their sustainability commitments. He has worked with many groups including Monterey Bay Aquarium’s Seafood Watch, the Raincoast Conservation Society, Fish 2.0, the U.S. Agency for International Development, the James Beard Foundation, and the David Suzuki Foundation.

JONATHAN SLEEMAN
Center Director, USGS National Wildlife Health Center
Dr. Jonathan Sleeman is currently the Center Director for the USGS National Wildlife Health Center where he leads a team of scientists and support staff to investigate and research wildlife diseases that threaten wildlife populations, public health, and the economy. He received his master’s degree in zoology and his veterinary degree from the University of Cambridge, and completed and internship and residency in zoological medicine at the University of Tennessee. He is a Diplomate of the American College of Zoological Medicine. He has published widely on topics related to wildlife anesthesia, emerging diseases of wildlife, wildlife epidemiology, risk assessment, One Health, and Ecohealth. He holds a variety of leadership positions including a member of the OIE’s Working Group on Wildlife and is a Board member for Ecohealth International. Current interests include development of national wildlife health programs in Asia and Africa, broad-scale wildlife disease risk assessments, and leadership skills in wildlife health.

PAMELA YOCHEM
Chief Science Officer, Hubbs-SeaWorld Research Institute
Dr. Pam Yocem has studied the population biology, behavioral ecology and health of marine vertebrates for 40 years and has published over 50 peer-reviewed journal articles and book chapters. Dr. Yocem holds an M.S. (ecology) from San Diego State University, a D.V.M. (wildlife emphasis) from the University of California – Davis (UCD), School of Veterinary Medicine, and a Ph.D. in Comparative Pathology from UCD. Her current research interests include wildlife disease ecology and epidemiology, marine ecosystem health, and wildlife emergency response. Dr. Yocem is a USDA-accredited veterinarian and is an affiliated faculty member of the Wildlife Health Center at UCD. Dr. Yocem chairs the Institutional Animal Care and Use Committee and Fish Health Management Team for HSWRI, is a member of the Advisory Board and the Scientific Advisory Committee for the California Oiled Wildlife Care Network and is a former member of the Unified Port of San Diego’s Environmental Committee. Dr. Yocem was appointed to two terms of service (2012-2018) on the Marine Fisheries Advisory Committee, a FACA committee that advises the Secretary of Commerce on living marine resource issues including harmful interactions between humans and aquatic animals.
STUDENTS FOR ONE HEALTH

LEAD COORDINATORS
Shannon McDiarmid
Annabelle Louderback-Valenzuela
Lauren Johnston

SPECIAL THANKS
Leyla Farshidpour
Johanna Vega Garcia
Diana Lopez
Kiranpreet Kaur Nagra
Aida Nasirishargh
Felicia Yen