

Exploring Linkages Between Soil Health and Human Health

Meeting 15 (Virtual) – October 23, 2023

Public Agenda



MONDAY, OCTOBER 23, 2023 (ET)

Purpose The session will focus on extension research and the invited presenters' experiences helping farmers implement soil health practices.

Open session

2:00 **Welcome**

Diana H. Wall, Committee Chair & Session Moderator, Colorado State University

2:10 **Overview of the National Academies study process**

Kara Laney, Study Director, National Academies of Sciences, Engineering, and Medicine

2:20 **Invited presentations**

Donna McCallister, Texas Tech University

2:45 *Margaret Lloyd, University of California Cooperative Extension*

3:10 *Eugene Kelly, Colorado Agricultural Experiment Station and Colorado State University*

3:40 **Speaker discussion with the committee**

4:00 **Open session concludes**

SPEAKER BIOS

EUGENE KELLY, COLORADO STATE UNIVERSITY

Dr. Gene Kelly is a Professor of Pedology, Deputy Director of the Colorado Agricultural Experiment Station and Associate Dean for Extension in the College of Agricultural Sciences. Dr. Kelly conducts research and lectures nationally and internationally on various aspects of soils as related to global change issues. He is a national expert in Pedology and related scientific inquiries, and his work has contributed to major breakthroughs with regard to our understanding of soil formation, the role of plants in soil evolution, and the place of soils in global and climate change research. His research efforts have resulted in more than 100 refereed publications and nearly \$185M in funded research programs. He serves as an advisor to the United States Department of Agriculture with the National Cooperative Soil Survey, the National Science Foundation, and several major research programs. He is a Fellow of the Soil Science Society of America and is the recipient of the 2016 Soil Science Society of America Research Award. Dr. Kelly is well versed in the needs of faculty working on issues critical to our constituents and advancing science.

MARGARET LLOYD, UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION

Dr. Margaret Lloyd is the farm advisor for organic agriculture and small farms at the University of California Cooperative Extensive, where she serves Yolo, Solano, and Sacramento counties. She received her Ph.D. from the University of California-Davis (UC Davis) in Plant Pathology in 2015. Under Tom Gordon, she researched non-chemical alternatives to soilborne disease management in strawberries. She focused on the role of legume rotation crops in *Verticillium dahliae* management, the effect of 4 different composts on strawberry production, and a social study understanding the level of adoption of soilborne disease management tools among producers. She also received a masters in International Agricultural Development and Plant Pathology from UC Davis. While at UC Davis, she established the Salad Bowl Garden, an edible garden at the entrance to the Plant and Environmental Sciences (PES) building on the main campus.

DONNA McCALLISTER, TEXAS TECH UNIVERSITY

Dr. Donna Mitchell McCallister is an Assistant Professor in the Department of Agricultural and Applied Economics at Texas Tech University. She received her Ph.D. from Texas Tech University in Agricultural and Applied Economics in 2014, a M.S. from Texas A&M University in Agricultural Economics in 2009, and a B.S. in Agricultural and Applied Economics from Texas Tech University in 2007. Her research interests are on the areas related to water and food scarcity, water policy, and the sustainability of agricultural production.