AgMIP8
Food Systems, Shocks, and Actions

Keynote Abstracts

October 13, 2020 9:15 – 9:45 AM (EDT)
Keynote: COVID-19 and the Food System
Martin Bwalya, CAADP-NEPAD

Disruptions and shocks have been with us and will continue – some relatively slow evolving disruptions, others rapid sometimes one-off events; with global or localised spread and still others specific with regard factors such as social classes or culture. In many ways COVID-19 is unprecedented – sudden and global, broad in impact across all socio-economic orientations. The measures to deal with COVID-19 resulted in even more profound impacts on the global socio-economic fabric. COVID-19 control measures disrupted local and global food supply chains, while also depressing demand. Many households also lost purchasing power. In immediate term, large sections of populations, especially in developing countries, got exposed to food insecurity; made worse by the levels of poverty and inequality.

October 13, 2020 9:45 – 10:15 AM (EDT)
Keynote: Food Security, Health, and Nutrition
Jessica Fanzo, Johns Hopkins University

This talk will present the complex interactions between diets & nutrition, climate & the environment, and equity issues that society is grappling with across food systems. Will society be able to not only feed the world's growing population, but do so in a healthy, environmentally sustainable and equitable way? As it stands, food systems face enormous challenges. Climate disruption, along with environmental degradation, is one of those grand challenges, and is fraught with contentious political and societal trade-offs. We will delve into potential roles of how research can deal with these trade-offs and take on a more holistic approach to food systems that better inform decision making.

October 14, 2020 9:10 – 9:30 AM (EDT)
Keynote: Understanding Resilience
Mark Howden, Australian National University

More information coming soon.

October 14, 2020 12:10 – 12:30 PM (EDT)
Keynote
Mario Herrero, CSIRO

More information coming soon

October 14, 2020 12:30 – 12:50 PM (EDT)
Keynote: Local Linkages for Food Security, Nutrition, and Health
Jennifer Woo Baidal, Columbia University

Prevalence of obesity is historically high worldwide. Racial, ethnic, and socioeconomic disparities in obesity are widening. These disparities are rooted in the first months of life. Despite identification of modifiable behavioral targets to reduce obesity and other chronic diseases, obesity remains persistent. Mounting evidence suggests that food insecurity and other social determinants of health (SDoH) play key upstream roles in etiologies of obesity, particularly in disproportionately burdened populations. Food insecurity and other SDoH influence health through behavioral and biological mechanisms. Therefore, reducing food insecurity may be requisite to prevent obesity among marginalized groups. Climate change disproportionately impacts marginalized populations and contributes to challenges in achieving food security. Climate change mitigation and adaptation can play an important role in achieving equitable access to healthy foods, food security, and health equity. Policy inaction to promote production, equitable access, and affordability of healthy and sustainable foods in the United States contributes to chronic food insecurity in areas such as New York City, currently in an acute on chronic food insecurity crisis resultant to COVID-19. The roles of community-based organizations, food banks and pantries, healthcare, nutrition programs, educational sectors, local government, and private companies in food security efforts will be discussed, as well as how effective partnerships can be forged. A case study in a low-income, predominantly Latino community in New York City will be described.

October 15, 2020 9:10 – 9:30 AM (EDT)
Keynote: How Do We Get There?
Sally Rockey, FFAR

Dr. Sally Rockey, Executive Director of the Foundation for Food and Agriculture Research (FFAR), will discuss the role models play in informed decision-making for the agriculture industry. Farmers have complex views of their fields and the impact that different precipitation levels, soil and farming techniques have on their crops. Modelers can benefit from close collaboration with stakeholders and field researchers. In her presentation, Dr. Rockey will explore how we can connect modelers with field

scientists, farmers and stakeholders. Modeling, and more specifically, bringing economic, physical and biological models together is critical to yield major transformations in agriculture. Dr. Rockey will also provide an overview of FFAR projects like Crops in silico, Tipping Points, the Ecosystem Services Market Research Consortium and more to provide concrete examples of the importance of modeling and the role it plays in agricultural research.