

Maximizing Agriculture to Enhance Nutrient Composition to Better Fulfill Dietary Recommendations

DATE: JANUARY 30, 2024, 10AM-2PM ET

LOCATION: VIRTUAL

Workshop Objective

The workshop will focus on what upstream changes in agriculture and food production can help the public better meet nutrition requirements and dietary guidelines.

10:00-10:05 Welcome and Opening Remarks (5 mins)

Bruce Y. Lee, *City University of New York*

10:05-11:05 SESSION 1 (4 presentations; 15 mins each)

What is currently known and being done around the quality of crops and animals to enhance human nutrition?

Moderator: Lorraine Brennan, *University College Dublin*

Topic #1: Food Quality

Selena Ahmed, *Periodic Table of Food Initiative*

Topic #2: Land Animals

Payam Vahmani, *University of California, Davis*

Topic #3: Fisheries and Seafood

Christopher Golden, *Harvard University*

Topic #4: Fruits and Vegetables

Cathie Martin, *John Innes Centre*

11:05-11:20 Panel Discussion (15 mins)

11:20-12:20 SESSION 2 (4 presentations; 15 mins each)

What agricultural technology and other approaches are currently being explored and developed to enhance human nutrition?

Moderator: Linda Van Horn, *Northwestern University*

Topic #1: Grains

Erick Boy, *Harvest Plus*

Topic #2: Fisheries and Seafood

Katie Fiorella, *Cornell University*

Topic #3: Genome-edited Foods
Yiping Qi, *University of Maryland*

Topic #4: Vegetables
Christine Diepenbrock, *University of California, Davis*

12:20-12:35 **Panel Discussion (15 mins)**

12:35-12:40 **Break (5 mins)**

12:40-1:40 **SESSION 3 (4 presentations; 15 mins each)**

What are the multi-scale challenges and what needs to be done in agriculture moving forward to create sustainable ways of enhancing human nutrition?

Moderator: **Susan Scrimshaw**, *Former President Russell Sage College*

Topic #1: Environmental Challenges: Climate Change, Land Use, and Pollution Issues

Daniel Mason-D'Croz, *Cornell University*

Topic #2: Economic Issues

Chris Barrett, *Cornell University*

Topic #3: Socio-behavioral and Cultural Issues

Ramya Ambikapathi, *Cornell University*

Topic #4: Human Biology Issues: Food Allergy

Kari Nadeau, *Harvard T.H. Chan School of Public Health*

1:40-1:55 **Panel Discussion (15 mins)**

1:55-2:00 **Closing Remarks/Wrap-Up (5 mins)**

Bruce Y. Lee, *City University of New York*

MEETING ADJOURNS