

ENTREPRENEURSHIP

IMPROVE HEALTH

CALORIE QUALITY

INFORM POLICY

GLOBAL CHALLENGES

Building Healthy Food Systems

FOOD
ACCESS

A major summit to highlight this important grand challenge and to establish key partnerships around issues related to domestic and international food safety and security.



OCTOBER 4, 2018

**University of Maryland,
College Park
STAMP Student Union**



COLLEGE OF
AGRICULTURE &
NATURAL RESOURCES

AN AGNR CORNERSTONE EVENT

Welcome!

7:30 am - 8:30 am **Registration**

8:30 am - 8:45 am **Welcome**

HOFF THEATER

Craig Beyroudy, Dean, AGNR

Mary Ann Rankin, Senior Vice President
and Provost, UMD

Dan Glickman, Vice President, Congressional
Program, Aspen Institute and former U.S. Secretary
of Agriculture

8:45 am - 9:45 am **Keynote**

HOFF THEATER

Gebisa Ejeta, World Food Prize Laureate

Schedule and Sessions

10:00 am - 11:15 am

SESSION 1 | Global Perspectives: Nutritional Security

BENJAMIN BANNEKER ROOM

Moderator: Naomi Fukagawa, Director, Beltsville Human Nutrition
Research Center, USDA ARS

Asma Lateef, Director for Research, Bread for the World
*The Urgency of Accelerating Progress Against Maternal
and Child Malnutrition*

Dan Gilligan, Deputy Director, Poverty, Health and Nutrition Division,
International Food Policy Research Institute
Evidence on Strategies to Improve Diets and Nutrition for the Poor

Nadine Sahyoun, Professor, AGNR
Food and Nutrition Security of Older Adults

SESSION 2 | Production Through Protection

JUAN RAMON JIMÉNEZ ROOM

Moderator: Jim Eichhorst, State Executive Director, Maryland
Farm Service Agency

Nidhi Rawat, Assistant Professor, AGNR
Overcoming the Fungal Foes of Wheat

Kate Everts, Professor and Extension Specialist, AGNR
*Oomycete Diseases of Vegetable Crops: Global Challenges
and Local Solutions*

Nathaniel Tablante, Professor, AGNR

Protecting Poultry Flocks from Disease to Keep Them Healthy and Productive

Shannon Dill, Principal Agent, UMD Extension, AGNR

Protecting the Farm through Business Management

SESSION 3 | Innovative Solutions for Food Systems

MARGARET BRENT ROOM

Moderator: Dean Chang, Associate Vice President for Innovation and Entrepreneurship, UMD

Eric Brown, Director, Division of Microbiology, FDA

Facing the Giants: How Microbiology is Standing Up to the Many Challenges of a 21st Century Food Supply

Yiping Qi, Assistant Professor, AGNR

Precision Breeding for Crop Improvement by Genome Editing

Bryan Butler, Principal Agent, UMD Extension, AGNR

Evaluating the Potential for Hops Production in Maryland as a New Commercial Enterprise by Developing a Partnership with Industry

Manan Sharma, Research Microbiologist, USDA ARS

Zero-valent Iron Filtration: A Potential Method to Improve Irrigation Water Quality on Small-scale Farms

11:30 am - 12:45 pm

SESSION 4 | Food, Families and Communities

MARGARET BRENT ROOM

Moderator: Lisa Lachenmayr, Principal Faculty Specialist and Program Director, FSNE, UMD Extension, AGNR

Isabel Walls, National Program Leader, Division of Food Safety, USDA ARS

Effect of Environmental Factors on Food Safety

Mira Mehta, Director, EFNEP Program, UMD Extension, AGNR

Strengthening the Foundation: A Green and Sustainable Household Level Strategy for Ensuring Food Security and Preventing Chronic Disease

Taryn Devereux, Faculty Specialist, AGNR

The Role of Women in Building Ethiopia's Food Security: Lessons from an International Extension Project

Jennifer Dixon Cravens, Agent Associate, UMD Extension, AGNR

Healthy Food Systems: The Impact on Food Insecurity, Malnutrition, and Chronic Diseases

SESSION 5 | Global Perspectives: Food Security

BENJAMIN BANNEKER ROOM

Moderator: Charles Owubah, Former VP, World Vision International

Peter Balint-Kurti, Research Geneticist, USDA ARS, NCSU
Use and Deployment of Plant Disease Resistance

Monica Das Gupta, Research Professor, BSOS
Population and Food Security

Vijay Tiwari, Assistant Professor, AGNR
Ensuring Global Food Security: A Wheat Perspective

SESSION 6 | Getting Ready: The Food Safety Modernization Act

JUAN RAMON JIMÉNEZ ROOM

Moderator: Deanna Baldwin, Program Manager, Maryland
Department of Agriculture

Samir Assar, Director, Division of Produce Safety, FDA
FSMA: How Partnerships Are Key to Successful Implementation

Clare Narrod, Research Scientist and Manager, Risk Analysis
Program, JIFSAN, AGNR
*International Food Safety Capacity Building Efforts in Meeting
the Goals of FSMA*

Chris Walsh, Professor, AGNR
*Produce Safety: Educating Farmers to Meet Buyer Requirements
and Federal Law*

Rohan Tikekar, Assistant Professor, AGNR
*A Hybrid Food Safety Training Program for Growers Who Grow
and Process Produce into Value Added Products*

12:45 pm - 2:30 pm Lunch and Poster Session

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NATURAL RESOURCES**

2:30 pm - 3:45 pm

SESSION 7 Combatting Food Insecurity

MARGARET BRENT ROOM

Moderator: Frank Coale, Professor, AGNR

Ray Weil, Professor, AGNR

Sulphur: The Forgotten Nutrient in the Soil - Protein Nexus

Allison Tjaden, Lecturer, AGNR & Assistant Director,
UMD Dining Services

Fighting Food Insecurity at UMD - Assessment and Action?

Neith Little, Agent, UMD Extension

*Urban Agriculture: What Is It and How Does It Fit Into Combatting
Food Insecurity?*

Hee-Jung Song, Associate Professor and Extension Specialist, AGNR

*Food Waste at College Dining Halls and Its Potential
Implications in Food Insecurity*

SESSION 8 Water for Food and Agriculture

JUAN RAMON JIMÉNEZ ROOM

Moderator: Jim George, Senior Policy Advisor, Water and Science
Administration, MDE

Amy Sapkota, Professor, SPH

*Recycled Water, Food Crop Irrigation and Public Health: Moving
the Science Forward to Achieve Sustainable Water Reuse in a
Changing Climate*

Masoud Negahban-Azar, Assistant Professor, AGNR

Why Data Matters in Agricultural Water Reuse?

Rachel Rosenberg Goldstein, Assistant Research Professor, SPH

Farmer Perspectives on Water Availability and Water Reuse

Salina Parveen, Professor, University of Maryland Eastern Shore

*Current Perspectives on Vibrios in the Chesapeake Bay
and the Maryland Coastal Bays*

SESSION 9 Global Perspectives: Food Safety

BENJAMIN BANNEKER ROOM

Moderator: Jianghong Meng, Director, JIFSAN, AGNR

Robert Buchanan, Professor, AGNR

Academia, the Third Side of the International Food Safety Triangle

Heather Tate, Epidemiologist, NARMS, FDA

One Health, One World: Combatting Antimicrobial Resistance in Foodborne Bacteria

Abani Pradhan, Associate Professor, AGNR

Risk Assessment and Predictive Microbiology for Improved Food Safety

3:45 pm - 5:00 pm Concluding Session and Social

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AN AGNR STRATEGIC INITIATIVE

Establish a Healthy Food System and Ensure
Global Food and Nutritional Security