

L u n c h ~ N ~ L e a r n S E M I N A R

NATIONAL



C-FAR

THE NATIONAL COALITION FOR  
FOOD & AGRICULTURAL RESEARCH

**Program:**

**ACCELERATING THE PATH TO  
IMPROVING PUBLIC HEALTH THROUGH  
FOOD-BASED SOLUTIONS**

*Leveraging Collaborations between Government  
and Academia to Create a More Convenient and  
Healthful Food Supply*

May 12, 2017

# PROGRAM

## *Welcome and Introduction*

FARIDA MOHAMEDSHAH, MS, CNS  
NATIONAL C-FAR REPRESENTATIVE

## *Distinguished Speakers*

DR. MARIO G. FERRUZZI  
PROFESSOR, PLANTS FOR HUMAN  
HEALTH INSTITUTE  
DEPARTMENT OF FOOD, BIOPROCESSING  
AND NUTRITION SCIENCE  
NORTH CAROLINA STATE UNIVERSITY



DR. JANET NOVOTNY  
HUMAN NUTRITION RESEARCH CENTER  
AGRICULTURAL RESEARCH SERVICE  
USDA  
BELTSVILLE, MD

## *Open Forum*

## *Closing*

FARIDA MOHAMEDSHAH, MS, CNS

NATIONAL C-FAR IS a nonprofit, nonpartisan, consensus-based and customer-led coalition that brings food, agriculture, nutrition, conservation and natural resource stakeholders together with the food and agriculture research and extension community, serving as a forum and a unified voice in support of sustaining and increasing public investment at the national level in food and agricultural research, extension, and education.

## **ABSTRACT**

Maintaining health through fresh-ingredient cooking is increasingly difficult as adults juggle demands of their jobs and households. Therefore, improving public health through diet will require new insights into a convenient, affordable, healthful & palatable food supply. Scientists with a broad range of expertise in agriculture, food science, and nutrition from both academia and government are joining efforts to study how dietary plant bioactive components (phytochemicals) may reduce the risk of chronic health threats, including cardiovascular disease and diabetes. This multiprong approach includes defining 1) phytochemical amounts & types in food, 2) phytochemical absorption & metabolism, 3) efficacy for preventing disease, and 4) development of new technologies for a more convenient, affordable, palatable, and efficacious food supply. These powerful collaborations provide an opportunity for translation of basic research into practical, consumer friendly food-based solutions to improve and promote public health by reducing disease risk through diet.

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## **SPEAKER BIOGRAPHIES**

**Dr. Mario G. Ferruzzi** is a Professor in the Plants for Human Health Institute and the Department of Food, Bioprocessing and Nutrition Science at North Carolina State University. He received his B.S. in Chemistry from Duke University and Ph.D. in Food Science and Nutrition from The Ohio State University. He most recently served as a Professor in the Department of Food Science at Purdue University and previously as a Research Scientist with Nestlé. His research focuses on understanding the impact of food formulation and processing on bioavailability, metabolism and biological activity of plant bioactives and nutrients in an effort to design better foods and inform dietary guidance. His research has been funded through grants from both Federal (USDA, NIH and USAID) as well as Food Industry. He is a member of the Institute of Food Technologist, the American Society for Nutrition, the American Chemical Society and a Fellow of the Royal Society of Chemistry.

**Dr. Janet A. Novotny** is a Research Physiologist with the USDA Beltsville Human Nutrition Research Center. With B.S. in Mathematics, an M.S. in Nutritional Sciences, and a Ph.D. in Biophysics from the University of Illinois, Dr. Novotny conducts human feeding studies on bioavailability and metabolism of dietary components and investigates the impact of dietary components on prevention of chronic disease. Dr. Novotny's research has been funded through grants from Federal Agencies, agriculture commodity groups, and the food industry. She is active in the American Society for Nutrition, has served as an Associate Editor for Crop Science, is the Government Liaison for the International Life Sciences Institute Committee on Bioactives, and has edited two books on Mathematical Modeling.

## **SEMINAR SERIES DESCRIPTION**

National C-FAR's Seminar Series regularly presents leading-edge researchers to address pressing issues confronting the public and Congress. National C-FAR and the Seminar Series serve as a resource to policymakers and staff.

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