



Food Matrices and Nutritional Bioavailability Roundtable

Improving the Nutritional Value of Foods in the USAID Food Aid Basket: Optimization of Macro and Micro Nutrients, Food Matrices, Novel Ingredients and Food Processing Technologies

Sunday, June 25, 2017, 8:30am-3:30pm

Venue: Sands Expo (Room 901-902), 3355 Las Vegas Boulevard South, Las Vegas, NV 89109

Organized by: Tufts University Food Aid Quality Review; www.foodaidquality.org

Sponsored by: USAID's Office of Food for Peace

Speakers:

Quentin Johnson, President, Quican Inc. for **Rufino Perez**, Ph.D., Senior Food Technology Advisor, US Agency for International Development

Patrick Webb, Ph.D., Professor, Friedman School of Nutrition Science & Policy, Tufts University, USA

Diego Moretti, Ph.D., Professor, Dept. of Health Sciences and Technology, ETH Zurich

Sajid Alavi, Ph.D., Professor, Dept. of Grain Science & Industry, Kansas State University, USA

Harjinder Singh, Ph.D., Distinguished Professor, Massey Institute of Food Science & Technology, New Zealand

Michael McBurney, Ph.D., VP – Science, Communications & Advocacy DSM Nutritional Products, USA

David McClements, Ph.D., Distinguished Professor, Dept. of Food Science, University of Massachusetts, USA

Yi Wu, Ph.D., – Chief Innovation Director, Wright Group, USA.

Melvin Carter, Ph.D. – National Program Leader for Food Science & Technology, USDA-NIFA, USA

Agenda: (Each presentation including Q&A would be of 15 minutes)

8:30 – 9:00 am: Registration and introduction

AM session: State-of-the-Art in Food Aid

9:00 –9:30 am: Introduction (Keynote by Johnson for Perez; with moderators)

9:30 –10:30 am:

- Food Aid Scenario – Scope for improvement (Webb)
- Iron-Bioavailability issues in food matrices (Moretti)
- Challenges to improve nutritional value of food aid products using animal proteins (Alavi)
- Role of processed macronutrients in overall nutrients bioavailability (Singh)

10:30 – 10:45 am: Coffee Break; Discussion guidance (Moderators)

10:45 – 11:45 am: Roundtable Discussion #1 (State-of-the-Art)

11:45 – 12:45 pm: Working Lunch and Roundtable Discussion #2 (Gaps and Challenges vis a vis Food Aid)

PM session: Looking Ahead, Making Food Aid More Effective

12:45 – 1:45 pm:

- Maximization of Vit A, folic acid and other micronutrient utilization in body (McBurney)
- Nutrient delivery techniques (McClements)
- The role of processing in altering food matrices and influencing bioavailability of nutrients (Wu)
- USDA-NIFA – Promoting evidence based research (Melvin Carter)

1:45 – 2:00 pm: Coffee Break; Discussion guidance (Moderators)

2:00 – 3:00 pm: Roundtable Discussion #3 (Next steps)

3:00 – 3:30 pm: Wrap up and closing remarks (Moderators)

Moderators: Sajid Alavi (Kansas State University), Farida Mohamedshah (Institute of Food Technologists) and Quentin Johnson (Quican Inc.); **Event Contact:** Michael Joseph (Tufts University, Mike.Joseph@tufts.edu); **Event Website:** <http://foodaidquality.org/focus/food-matrices>