Wednesday, August 14, 2019

Breakfast/Welcome and Opening Remarks

Regulatory and Research Priorities for Botanical Dietary Supplements
Wendy Weber – National Center for Complementary and Integrative Health
*Botanical Dietary Supplement Research: Priorities and Challenges from the Funders Perspective*

Chongwoo Yu – U.S. Food and Drug Administration
*Title To Be Announced*

Paul Coates – Founding Director of the Office of Dietary Supplements, National Institute of Health
*Botanical Dietary Supplements: Regulatory Challenges and Research Resources*

Paula Brown – British Columbia Institute of Technology
*Safety of Botanical Dietary Supplements*

Mary Paine – University of Washington
*Natural Product-Drug Interaction Research: Cultivating Best Practices*

Lunch

Applications for Botanicals Supplements
Stefan Gafner – American Botanical Council
*Botanical Ingredient Adulteration: How Some Suppliers Attempt to Fool Commonly Used Analytical Techniques*

Dejan Nikolic – University of Illinois at Chicago
*Qualitative and Quantitative Analysis of Residual Pyrrolizidine Alkaloids in Commercial Borage Oil Products*

Nadja Cech – University of North Carolina at Greensboro
*Untargeted Metabolomics for Authentication of Botanical Dietary Supplements*

Edward Kennelly – Lehman College, City University of New York
*Black Cohosh: Confusion Regarding the Mechanism of Action of a Botanical Dietary Supplement*

Elizabeth Floyd – Pennington Botanical Center, Louisiana State University
*Impact of the Extract from Artemisia dracunculus on Metabolic Syndrome*

Speaker Dinner
Thursday – August 15, 2019

Breakfast

New Therapeutic Approaches in Neurological Diseases
Larry Sherman – Oregon Health and Sciences University
*Modified Flavonoids for the Promotion of Nervous System Repair in Neurodegenerative Disease*

Lee Martin – John Hopkins Medicine
*Modeling Human Neurodegeneration and Neuronal Cell Death*

Seema Tiwari-Woodruff – School of Medicine, University of California Riverside
*Therapeutic Intervention to induce Immunomodulation, Remyelination and Neuroprotection: The Magic Bullet*

Tilman Grune – German Institute of Human Nutrition, University of Potsdam
*Maintenance of Proteostasis by Bioactive Compounds: Implication for Neurodegenerative and Age-Related Diseases*

Douglas Feinstein – University of Illinois at Chicago College of Medicine
*Vitamin K in the Nervous System*

Jeremy Spencer – Food and Nutritional Science, University of Reading
*The Impact of Flavonoid Intake on Human Neurocognitive Function: The Role of the Vascular System*

Lunch

An Update on Bioactives

Tom Kensler – Fred Hutchinson Cancer Research Center
*Enhanced Detoxication of Air Pollutants with Broccoli-based Interventions*

Jens Lykkesfeldt – University of Copenhagen
*Wolf in a Sheep’s Dress: From Simple Carbohydrate to Epigenetic Master Regulator*

Charles Brenner – Carver College of Medicine, University of Iowa
*Supporting Post-partum Homeorhesis with Nicotinamide Riboside: A Boost to Mom’s Metabolism that Produces More Capable Offspring from Eye-Opening to Adulthood*

Fred Stevens – Linus Pauling Institute, Oregon State University
*Beneficial Effects of Xanthohumol in Cognitive Impairment in Mice*

Lightning Talks

Poster Session/Reception
Friday – August 16, 2019

Breakfast

Redox Biology of Neurodegeneration, Inflammation, and Cancer

Enrique Cadenas – Leonard Davis School of Gerontology, University of Southern California
*Redox signaling and metabolism in a mouse model of Alzheimer’s disease.*

Allan Butterfield – University of Kentucky
*Redox Proteomics and Amyloid beta-Peptide: Insights into Alzheimer Disease*

Rebecca Oberley-Deegan – University of Nebraska Medical Center
*The Use of SOD mimics as a Radioprotector in Prostate Cancer Therapy*

Douglas Spitz – Holden Comprehensive Cancer Center, University of Iowa
*Exploiting Redox Biology for Selectively Targeting Cancer Cells: Therapeutic Implications*

Nadine Hempel – Penn State Cancer Institute
*The Adaptable Antioxidant Milieu of Tumor cells*

Luciano Saso – Sapienza University of Rome
*Pharmacological Applications of Modulators of Oxidative Stress*

Lunch

Contributed Talks

*To Be Announced*

Closing Remarks and Young Investigator Awards

Public Session & Reception

Nobel Laureate, Louis Ignarro – University of California Los Angeles presents *The Road to Stockholm - A Nobel Mission*

Dr. Ignarro’s crowning achievement was the discovery of the important signaling role Nitric Oxide plays in the cardiovascular system. Nitric Oxide - a toxic gas, air pollutant, and one component in explosives, is also a powerful regulator of human blood vessels. Ignarro’s work elucidating the signaling actions of nitric oxide in smooth muscle tissue, led to new medication for heart disease and erectile dysfunction. Public session will be preceded by a reception and open house featuring informational exhibits by OSU departments and research units, and a special display on the life and work of Linus Pauling.

Conference Dinner

Catered dinner overlooking the Willamette Valley at the Vue in Downtown Corvallis