

**Thursday, June 24, 2021**

8:30 am	Opening	
9:00 am	Plenary Presentation:  <i>Advances in Natural Products and Polyphenols for the Preservation of Cognitive and Psychological Resilience</i>  Dr. Giulio M. Pasinetti, Mt. Sinai School of Medicine, NY, USA	
10:00 am	Break	
10:30 am	<b>Session 1 - Grape Derived Polyphenols</b>	<b>Session 2 – Field, Greenhouse and Indoor Cultivation</b>
	<i>Session Chair:</i> Dr. Andrea Doseff	<i>Session Chair:</i> Dr. Gary Stutte
	<i>Keynote:</i> Dr. Dominique Delmas (University of Bourgogne, France)  <i>Polyphenols Prevent Inflammation and Associated-Diseases Through a Direct Action on Immune Cells</i>	<i>Keynote:</i> Dr. Gary Stutte (SyNRGE, LLC, FL, USA)  <i>Beyond the Field: Controlled Environment Production of Medicinal Plants</i>
	Dr. Cristiana Caliceti (University of Bologna, Italy)  <i>Grape Pomace as a Sustainable Source of Bioactive Compounds for Cosmeceutical Applications</i>	Dr. Rao Mentreddy (Alabama A&M University, USA)  <i>Low Temperature Atmospheric Plasma: A Potential Tool for Promoting Sprouting of Turmeric Rhizomes and Plant Growth</i>
	Dr. Nihal Ahmad (University of Wisconsin, USA)  <i>Grape Powder in Skin Cancer Prevention</i>	Dr. Jeffrey Adelberg (Clemson University, USA)  <i>Physical Factors Increased Quantity and Quality of Micropropagated Apical Shoots of Cannabis sativa L. in a Repeated Harvest System</i>
	Mr. Kevin Tveter (Rutgers University, NJ)  <i>Grape Polyphenols Improve Glucose Metabolism by Suppressing Intestinal FXR</i>	Dr. Joseph Chappell (University of Kentucky, USA)  <i>Evoking Specialized Metabolism in Plants Subjected to Microgravity</i>

12:00 Noon	Lunch	
1:00 pm	<b>Session 3 - Metabolic Syndrome</b>	<b>Session 4 – Ethnobotany</b>
	<i>Session Chair:</i> Dr. Jim Simon	<i>Session Chair:</i> Dr. Rodolfo Juliani
	<p><i>Keynote:</i> Dr. Maria Gloria Dominguez-Bello (Director, Institute for Food, Nutrition and Health (IFNH), Rutgers University, USA)</p> <p><b><i>Dietary Modulation of the Gut Microbiome in Early Life</i></b></p>	<p><i>Keynote:</i> Dr. Michael Balick (New York Botanical Garden, USA)</p> <p><b><i>Using Indigenous Knowledge to Improve Healthcare Systems in Developing Countries: Case Studies from Micronesia</i></b></p>
	<p>Dr. Liping Zhao (Professor, Eveleigh-Fenton Chair of Applied Microbiology, Rutgers University, USA)</p> <p><b><i>Dietary Modulation of the Gut Microbiota for Metabolic Health</i></b></p>	<p>Dr. Umesh Reddy (West Virginia State University, USA)</p> <p><b><i>Natural Variation of Phytochemicals in Various Capsicum spp.</i></b></p>
	<p>Dr. Ilya Raskin (Distinguished Professor, Plant Biology, Rutgers University, USA)</p> <p><b><i>Advances in Natural Products for Metabolic Syndrome and Gut Health</i></b></p>	<p>Dr. Ramu Govindasamy (Rutgers University, USA)</p> <p><b><i>Marketing of Fresh Market Turmeric</i></b></p>
	Contributing Lecture: TBD	<p>Ms. Emily Merchant (Rutgers University, USA)</p> <p><b><i>African indigenous vegetables and urban agriculture: A case study</i></b></p>
2:30	Break	
3:00	<b>Session 5 - Modern Analytical Techniques in Botanical Research</b>	<b>Session 6 - Linking Health and Nutrition to Diet</b>
	<i>Session Chair:</i> Dr. Josh Kellogg	<i>Session Chair:</i> Dr. Sun-Ok Lee
	<p><i>Keynote:</i> Dr. Josh Kellogg (Penn State University, USA)</p> <p><b><i>Metabolomic Profiling and Modeling for Botanical Phytochemical Analysis</i></b></p>	<p><i>Keynote:</i> Dr. Sun-Ok Lee (University of Arkansas, USA)</p> <p><b><i>Health Benefits of Berry Volatiles</i></b></p>
	Dr. Sonja Knowles (Procter & Gamble, USA)	Dr. Abby Benninghoff (Utah State University, USA)

	<i>Evaluating Grape Seed (Vitis vinifera) Phytochemicals for Color Protection from UV Irradiation</i>	<i>Dynamics of the Gut Microbiome in Response to Dietary Intervention with Black Raspberries in the Context of a Standard or Western Type Diet in a Mouse Model of Inflammation-Associated Colorectal Cancer</i>
	Dr. Bo Yuan (Harvard University, USA)  <i>African Nightshades: Advances on the Phytochemistry and Potential New Added Value Products</i>	Dr. Daniel Hoffman (Rutgers University, USA)  <i>Nutrition and African Indigenous Vegetables</i>
	Mr. Lewis Marquez (Emory University, USA)  <i>Antifungal activity of pentagalloyl glucose against drug-resistant Candida species</i>	TBD
4:30	Poster Session	

Friday, June 25, 2021		
8:30 am	Welcome	
9:00 am	Plenary Presentation: <i>Data, Myths, and Politics: Perspectives on Cannabinoids in Human Health</i>  Dr. Jahan Marcu, Co-Founder at Marcu-Arora	
10:00 am	Break	
10:30 am	<b>Session 7 – Resveratrol and Analogs</b>	<b>Session 8 – Hemp and Medical Cannabis</b>
	<i>Session Chair:</i> Dr. Fabricio Medina-Bolivar	<i>Session Chair:</i> Dr. Connie Pascal
	<i>Keynote:</i> Dr. Fabricio Medina-Bolivar (Arkansas State University, USA)  <i>Natural Prenylated Resveratrol Analogs: Bioproduction and Biological Activities</i>	<i>Keynote:</i> Dr. Carey Clark (Director of Nursing, Chair of the Medical Cannabis Certificate Program, and Faculty in the Medical Cannabis and Holistic Nursing programs - Pacific College of Health and Science)

		<i>Cannabis Care: From Seed to Need - Connecting Patients with Plant Medicine</i>
	Dr. Eric Courot (Université de Reims Champagne-Ardenne, France)  <i>Grapevine Cell Cultures for the Bioproduction of Bioactive Resveratrol and Derivatives: Some Fundamental and Applied Considerations</i>	Dr. Oliver Kayser (TU Dortmund University, Germany)  <i>Rare Cannabinoids – Complex Biosynthesis or Simple Chemistry in Cannabis sativa</i>
	Dr. Thomas Netticadan (Canadian Centre for Agri-food Research in Health and Medicine, Canada)  <i>Resveratrol as a Potential Therapeutic Agent in the Management of Coronary Artery Disease</i>	Ms. Annie Rouse MA/MBA (Chief Operating Officer at OP Innovates and co-founder of the hemp brands, Overcome and Hemp Mellow; Co-Founder of Anavii Marke)  <i>Formulating the Most Impactful Cannabis and Hemp Research to Meet the Needs of the Ever-Evolving Supply Chain</i>
	Dr. Aviansh Kumar ( Long Island University, USA)  <i>Gnetin C: Does Dimer-Resveratrol Offer Twice the Benefit of Chemoprevention in Prostate Cancer?</i>	Contributing Lecture:  <i>TBD</i>
12:00 Noon	Lunch	
1:00 pm	Dr. Jim Simon ( Rutgers University, USA)  <i>Advances in MAP Breeding for Disease Resistance, Aroma, Nutrition and Arthropod Resistance</i>	
2:00 pm	Break	
2:30 pm	<b>Session 9 – Genomic Tools and Breeding</b>	<b>Session 10 - Dietary Phytochemicals and Disease Prevention</b>
	<i>Session Chair:</i> Dr. Jeffrey Adelberg	<i>Session Chair:</i> Dr. Anait S. Levenson
	<i>Keynote:</i> Dr. Lindsay Caesar (Northwestern University, USA)  <i>Metabolomic and Genomic Approaches to Explore Uncharted</i>	<i>Keynote:</i> Dr. Anait S. Levenson (Long Island University, USA)

	<b><i>Biochemical Space for Natural Products Discovery</i></b>	<b><i>Dietary Stilbenes and the Underlying Mechanisms in Cancer Chemoprevention</i></b>
	Dr. Allison Justice (The Hemp Mine, USA) <b><i>Breeding Hemp for Phytochemical and Horticultural Qualities</i></b>	Dr. Yuanyuan (Rose) Li (University of Missouri, USA) <b><i>Time-Dependent Maternal Soybean Genistein Exposure Leads to Later-life Breast Cancer Chemoprevention in Offspring Mice</i></b>
	Dr. Dil Thavarajah (Clemson University, USA) <b><i>Nutritional Breeding for Organic Systems</i></b>	Dr. Andrea Doseff (Michigan State University, USA) <b><i>Targeting Chronic Inflammatory Diseases with Flavonoid-rich Diets: Impact on Cancer and Obesity</i></b>
	Millena Cristina Barros Santos (Federal University of State of Rio de Janeiro, Brazil) <b><i>Lipidomics of Rice Bran Reveals Complex Mixture of Bioactive Molecules</i></b>	Mr. Rokib Hasan (Arkansas State University, USA) <b><i>Anti-inflammatory and Cardioprotective Functions of Prenylated Stilbenoids from Peanut Hairy Roots</i></b>
4:00 pm	Poster Session (Graduate Student Competition and Post-Doc Sessions)	
6:30 pm	Awards and Closing Ceremony	