

All times are U.S. Eastern Time (New York)

Thursday, June 24, 2021													
8:30 am	Opening												
9:00-10	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												
10:00-10:10	Break												
10:10-11:45	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; background-color: #cfe2f3;">Session 1 - Grape Derived Polyphenols</td> <td style="width: 50%; background-color: #cfe2f3;">Session 2 – Field, Greenhouse, and Indoor Cultivation</td> </tr> <tr> <td><i>Session Chair:</i> Dr. Andrea Doseff</td> <td><i>Session Chair:</i> Dr. Gary Stutte</td> </tr> <tr> <td> Keynote: Dr. Dominique Delmas (University of Bourgogne, France) <i>Polyphenols Prevent Inflammation and Associated-Diseases Through a Direct Action on Immune Cells</i> </td> <td> Keynote: Dr. Gary Stutte (SyNRGE, LLC, USA) <i>Beyond the Field: Controlled Environment Production of Medicinal Plants</i> </td> </tr> <tr> <td> 10:40-11:05 Dr. Cristiana Caliceti (University of Bologna, Italy) <i>Grape Pomace as a Sustainable Source of Bioactive Compounds for Cosmeceutical Applications</i> </td> <td> Dr. Rao Mentreddy (Alabama A&M University, USA) <i>The Potential Uses of Low Temperature Atmospheric Plasma for Forcing Early Sprouting, and Improving Plant Growth and Yield of Turmeric.</i> </td> </tr> <tr> <td> 11:05-11:30 Dr. Nihal Ahmad (University of Wisconsin, USA) <i>Grape Powder in Skin Cancer Prevention</i> </td> <td> 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> </td> </tr> <tr> <td> 11:30-11:45 Mr. Kevin Tveter (Rutgers University, NJ) <i>Grape Polyphenols Improve Glucose Metabolism by Suppressing Intestinal FXR</i> </td> <td> Dr. Joseph Chappell (University of Kentucky, USA) <i>Evoking Specialized Metabolism in Plants Subjected to Microgravity</i> </td> </tr> </table>	Session 1 - Grape Derived Polyphenols	Session 2 – Field, Greenhouse, and Indoor Cultivation	<i>Session Chair:</i> Dr. Andrea Doseff	<i>Session Chair:</i> Dr. Gary Stutte	Keynote: Dr. Dominique Delmas (University of Bourgogne, France) <i>Polyphenols Prevent Inflammation and Associated-Diseases Through a Direct Action on Immune Cells</i>	Keynote: Dr. Gary Stutte (SyNRGE, LLC, USA) <i>Beyond the Field: Controlled Environment Production of Medicinal Plants</i>	10:40-11:05 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>The Potential Uses of Low Temperature Atmospheric Plasma for Forcing Early Sprouting, and Improving Plant Growth and Yield of Turmeric.</i>	11:05-11:30 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>	11:30-11:45 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>
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11:45-12:15	Virtual Mixer: Pick your topic												
12:15-12:45 pm	Lunch												

12:45 - 2:20	Session 3 - Metabolic Syndrome	Session 4 – Ethnobotany
	<i>Session Chair:</i> Dr. Jim Simon	<i>Session Chair:</i> Dr. Rodolfo Juliani
12:45-1:15	<i>Keynote:</i> Dr. Maria Gloria Dominguez-Bello (Director, Institute for Food, Nutrition and Health (IFNH), Rutgers University, USA) <i>Dietary Modulation of the Gut Microbiome in Early Life</i>	<i>Keynote:</i> Dr. Michael Balick (New York Botanical Garden, USA) <i>Using Indigenous Knowledge to Improve Healthcare Systems in Developing Countries: Case Studies from Micronesia</i>
1:15-1:40	Dr. Liping Zhao (Professor, Eveleigh-Fenton Chair of Applied Microbiology, Rutgers University, USA) <i>Dietary Modulation of the Gut Microbiota for Metabolic Health</i>	Dr. Umesh Reddy (West Virginia State University, USA) <i>Natural Variation of Phytochemicals in Various Capsicum spp.</i>
1:40-2:05	Dr. Ilya Raskin (Distinguished Professor, Plant Biology, Rutgers University, USA) <i>Development and Characterization of High Flavonoid Lettuce Varieties</i>	Dr. Ramu Govindasamy (Rutgers University, USA) <i>Marketing of Fresh Market Turmeric</i>
2:05-2:20	Ms. Esther Mezhibovsky (Rutgers University, USA) <i>Grape Polyphenols Attenuate Diet-Induced Obesity and Hepatic Steatosis in Mice in Association with Reduced Microbial Metabolite Butyrate and Increased Intestinal Carbohydrate Oxidation</i>	Ms. Emily Merchant (Rutgers University, USA) <i>African Indigenous Vegetables and Urban Agriculture: A Case Study</i>
2:20-2:25	Break	
2:25-4:00	Session 5 - Modern Analytical Techniques in Botanical Research	Session 6 - Linking Health and Nutrition to Diet
	<i>Session Chair:</i> Dr. Josh Kellogg	<i>Session Chair:</i> Dr. Sun-Ok Lee
2:25-2:55	<i>Keynote:</i> Dr. Josh Kellogg (Penn State University, USA) <i>Metabolomic Profiling and Modeling for Botanical Phytochemical Analysis</i>	<i>Keynote:</i> Dr. Sun-Ok Lee (University of Arkansas, USA) <i>Health Benefits of Berry Volatiles</i>
2:55-3:20	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>
3:20-3:45	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>The Use of African Indigenous Vegetables to Prevent Undernutrition to Low-Income Countries</i>
3:45-4:00	Mr. Lewis Marquez (Emory University, USA) <i>Antifungal Activity of Pentagalloyl Glucose Against Drug-Resistant Candida Species</i>	Dr. Jeremy J. Johnson (University of Illinois at Chicago, USA) <i>Considerations for Therapeutic Drug Monitoring and Pharmacokinetics with Phytochemicals</i>
4:00-6:00	Poster Q&A Session	

Friday, June 25, 2021

8:45 am	Morning Remarks	
9:00-10	Plenary Presentation: <i>Data, Myths, and Politics: Perspectives on Cannabinoids in Human Health</i> Dr. Jahan Marcu, Co-Founder at Marcu-Arora	
10:00-10:10	Break	
10:10-11:45	Session 7 – Resveratrol and Analogs	Session 8 – Hemp and Medical Cannabis
	<i>Session Chair:</i> Dr. Fabricio Medina-Bolivar	<i>Session Chair:</i> Dr. Connie Pascal
10:10-10:40	<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>
10:40-11:05	Dr. Eric Courot (Université de Reims Champagne-Ardenne, France)	Dr. Oliver Kayser (TU Dortmund University, Germany) <i>Rare Cannabinoids – Complex</i>

	<i>Grapevine Cell Cultures for the Bioproduction of Bioactive Resveratrol and Derivatives: Some Fundamental and Applied Considerations</i>	<i>Biosynthesis or Simple Chemistry in Cannabis sativa</i>
11:05-11:30	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>
11:30-11:45	Dr. Avinash Kumar (Long Island University, USA) <i>Gnetin C: Does Dimer-Resveratrol Offer Twice the Benefit of Chemoprevention in Prostate Cancer?</i>	Dr. Raul Cabrera (Rutgers University, USA) <i>Growth and Cannabinoid Performance of Floral Hemp Cultivars Under Plasticulture and Differential Irrigation</i>
11:45-12:15	Virtual Mixer: Pick your topic	
12:15-12:45 pm	Lunch	
12:45-1:45	Plenary Presentation: <i>Advances in MAP Breeding for Disease Resistance, Aroma and Arthropod Repellency</i> Dr. Jim Simon (Rutgers University, USA)	
1:45-1:55	Break	
1:55-3:30	Session 9 – Genomic Tools and Breeding	Session 10 - Dietary Phytochemicals and Disease Prevention
	<i>Session Chair:</i> Dr. Jeffrey Adelberg	<i>Session Chair:</i> Dr. Anait S. Levenson
1:55-2:25	<i>Keynote:</i> Dr. Lindsay Caesar (Northwestern University, USA) <i>Metabolomic and Genomic Approaches to Explore Uncharted Biochemical Space for Natural Products Discovery</i>	<i>Keynote:</i> Dr. Anait S. Levenson (Long Island University, USA) <i>Dietary Stilbenes and the Underlying Mechanisms in Cancer Chemoprevention</i>
2:25-2:50	Dr. Allison Justice (The Hemp Mine, USA) <i>Breeding Hemp for Phytochemical and Horticultural Qualities</i>	Dr. Yuanyuan (Rose) Li (University of Missouri, USA) <i>Time-Dependent Maternal Soybean Genistein Exposure Leads to Later-</i>

		<i>life Breast Cancer Chemoprevention in Offspring Mice</i>
2:50-3:15	Dr. Dil Thavarajah (Clemson University, USA) <i>Nutritional Breeding for Organic Systems</i>	Dr. Andrea Doseff (Michigan State University, USA) <i>Targeting Chronic Inflammatory Diseases with Flavonoid-rich Diets: Impact on Cancer and Obesity</i>
3:15-3:30	Millena Cristina Barros Santos (Federal University of State of Rio de Janeiro, Brazil) <i>Lipidomics of Rice Bran Reveals Complex Mixture of Bioactive Molecules</i>	Mr. Rokib Hasan (Arkansas State University, USA) <i>Anti-inflammatory and Cardioprotective Functions of Prenylated Stilbenoids from Peanut Hairy Roots</i>
3:30-5:30 pm	Awards and Closing Ceremony	