4th Annual IFNH RESEARCH DAY
November 04, 2022

Click here to register https://forms.gle/ZyjfzB1kqEcdgFA9

AGENDA

8:30-9:00 Refreshments

9:00-9:15 Welcome from the IFNH Director, M. Gloria Dominguez-Bello
Introduction IFNH Leadership

9:15-12:20 Research Presentations

9:15-9:50 Center for Childhood Nutrition Research Presentations
Chair: Daniel Hoffman

Where does our mathematical knowledge come from?

Jenny Wang, PhD
Department of Psychology & Center for Cognitive Science,
Rutgers University New Brunswick

Food insecurity in a national cohort of US children

Mark McGovern, PhD
Department of Health Behavior, Society and Policy,
Rutgers University School of Public Health - Newark

Impact of strategies to prevent intake of ultra-processed foods in childhood

Paola Seffrin Baratto
Department of Nutrition
Federal de Ciências da Saúde de Porto Alegre
Porto Alegre, Brazil

When the sugar runs out: transitioning agricultural systems and dietary diversity in Central Cuba

Victoria Ramenzoni
Department of Human Ecology, Rutgers University-New Brunswick
Research Update from the NJ Health Kids Initiative.

Erin Comollo, EdD and Peggy Policastro, PhD, RDN
New Jersey Healthy Kids Initiative (NJHKI)
New Jersey Institute for Food, Nutrition, and Health (IFNH)

9:50-10:25

Rutgers Center for Lipid Research
Chair: George M. Carman

Interaction sites of the Nem1-Spo7/Pah1 phosphatase cascade in yeast lipid synthesis

Ruta Jog
Carman Lab – Department of Food Science (SEBS)
Rutgers University-New Brunswick

A role for intestinal desaturases in modulating acute inflammatory responses

Camille Duchamp
Sampath Lab – Department of Nutritional Sciences (SEBS)
Rutgers University-New Brunswick

Ablation of liver fatty acid-binding protein (LFABP) drives hyperplastic expansion of subcutaneous adipose tissue

Anastasia Diolintzi
Storch and Sidossis Labs – Departments of Nutritional Sciences (SEBS) and Kinesiology and Health (SAS)
Rutgers University-New Brunswick

Configurable Biomimetic Vesicles Sense Redox Lipid Environments

Liming Wang
Izgu Lab – Department of Chemical and Chemical Biology (SAS)
Rutgers University-New Brunswick

10:25-10:35

Break - 10 min

10:35-11:10

Center for Nutrition, Microbiome and Health Presentations
Chair: Liping Zhao
Microbiota-induced regulation of gamma delta intraepithelial lymphocyte function

Karen L. Edelblum
Edelblum Lab - Center for Immunity and Inflammation, Dept of Pathology, Rutgers New Jersey Medical School

Excess estrogen affects gut metabolic function and microbiome

Liisa Veerus
Martin Blaser Lab – Center for Advanced Biotechnology & Medicine

Integration of multi-omics coral data under thermal stress

Timothy Stephens Debashish Bhattacharya Lab – Department of Biochemistry and Microbiology, SEBS

Biomarkers of Vitamin B12 Status and the Human Gut Microbiome

Marijke Rittmann - Joshua W. Miller Lab – Department of Nutritional Sciences (SEBS)

Protective effect of a fiber formula on human gut microbiota against microaerobic conditions in ex vivo fermentation.

Yongjia Gong - Liping Zhao Lab – Department of Biochemistry and Microbiology (SEBS)

The human microbiota in families across levels of urbanization

Wessam Mohamed - Dominguez-Bello Lab – Department of Biochemistry and Microbiology (SEBS)

Dietary amino acid restriction and health span: concepts and controversies

Tracy Anthony, PhD - Department of Nutritional Sciences (SEBS)
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<tr>
<th>Time</th>
<th>Session</th>
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<td>11:45</td>
<td><strong>Developing climate-resilient food security systems for the Federated States of Micronesia and a brief RUCAFE update</strong></td>
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<td><strong>Chair: Jim Simon</strong></td>
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<td>Jim Simon, and Oscar Schofield, Distinguished Professors, Dept Plant Biology and Chair, Dept. Marine &amp; Coastal Sciences (SEBS)</td>
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<td>12:00</td>
<td><strong>Influence of Food Environments on Food Security Resilience during the COVID-19 Pandemic: An Examination of Urban and Rural Difference in Kenya.</strong></td>
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<td><strong>Emily Merchant</strong>, PhD Candidate, - Simon and Hoffman Labs, Dept of Departments of Plant Biology and Nutritional Sciences (SEBS)</td>
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<td>12:15</td>
<td><strong>Food insecurity among Rutgers-New Brunswick students</strong></td>
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<td><strong>Cara Cuite</strong>, Assistant Extension Specialist and Assistant Professor, Department of Human Ecology (SEBS)</td>
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<td>12:30</td>
<td><strong>Engaging farmers, culinary schools, and community members in value-added production to strengthen local food systems</strong></td>
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<td><strong>Ethan D. Schoolman</strong>, Assistant professor, Department of Human Ecology (SEBS)</td>
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<td>12:45</td>
<td><strong>Engaging New Jersey underrepresented high school students in out-of-school STEM learning through collaborative storytelling with scientists</strong></td>
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<td><strong>Marissa Staffen</strong>, 4-H County Agent, Department of 4-H Youth Development</td>
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12:20pm  **Closing remarks from the IFNH Director, M. Gloria Dominguez-Bello**
12:25-12:45pm \textit{Lunch}

12:45-2:15pm \textit{Poster Session}