

PROGRAM AGENDA, DAY 1

Tuesday, February 27, 2018

11:00 am **Registration, Poster Setup & Lunch**

11:30 am **Opening Remarks**

Laura Mosqueda, MD, Interim Dean of Keck School of Medicine of USC

11:45 am **Introduction of Keynote Speaker**

Tom Buchanan, MD, Keck School Vice Dean of Research and DORI Co-Director, USC

11:50 am **Keynote Speaker: - Pathogenesis of T2DM: the Old, the New, the Possible**

Ele Ferrannini, MD (Institute of Clinical Physiology, National Research Council), Italy

12:25 pm **Mobile Health**

Session Chair: *Ashlesha Datar, PhD, Sr. Economist Director Of Program On Children & Families, USC*

12:30 pm **Patient, Health Thyself: Design and Technology for Self-Care of Chronic Illness**

Joseph Cafazzo, PhD (University of Toronto)

1:00 pm **Technology-based, Just-In-Time, Adaptive Interventions to Prevent and Treat Obesity**

Donna Spruijt-Metz, PhD (University of Southern California)

1:30pm **Break**

1:45 pm **Trainee Poster Presentations**

2:30 pm **Introduction of Trainees:** *Richard Watanabe, PhD, Professor of Preventive Medicine, USC*

2:35 pm **Trainee Oral Presentations**

- ◇ **Effects of a Combined Aerobic and Resistance Exercise Intervention on Framingham Risk Score in Overweight and Obese Breast Cancer Survivors**
Kyuwan Lee, University of Southern California, Graduate Student (Mentor: Christina M. Dieli-Conwright)
- ◇ **Leptin is Transported Across the Mouse Placenta**
Soyoung Park, University of Southern California, Postdoctoral Fellow (Mentor: Sebastien G. Bouret)
- ◇ **Too Stressed to Test: Associations between Stress and Diabetes Control in a Sample of High-Risk Latinas**
Vivianna Goh, California State University of Long Beach, Undergraduate Student (Mentor: Dara H. Sorkin)
- ◇ **High-fructose Corn Syrup-sweetened Beverage Increases Breast Milk Fructose in Lactating Women**
Paige K. Berger, University of Southern California, Postdoctoral Fellow (Mentor: Michael I. Goran)

3:55 pm **Break**

4:10 pm **Diabetes & Cognitive Diseases**

Session Chair: *Caleb Finch, PhD, Arco / William F. Kieschnick Chair In The Neurobiology Of Aging University Professor, USC*

4:15 pm **Brain Insulin Resistance and Its Treatment in Diabetes and Alzheimer's Disease**

Konrad Talbot, PhD (The University of California, Los Angeles)

4:45 pm **Brain ABCA-1 Activity Linking Obesity, APOE4 and Alzheimer's Disease Risk**

Hussein Yassine, MD (University of Southern California)

5:15 pm **Closing Remarks**

Michael Goran, PhD, DORI Co-Director, USC

PROGRAM AGENDA, DAY 2

Wednesday, February 28, 2018

- 8:00 am **Registration, Poster Setup & Continental Breakfast**
- 8:30 am **Opening Remarks & Introduction of Keynote Speaker**
Tom Buchanan, MD, Keck School Vice Dean of Research and DORI Co-Director, USC
- 8:35 am **Keynote Speaker: Why is Maintaining Weight Loss so Difficult?**
Steven Heymsfield, MD (Pennington Biomedical Research Center)
- 9:10 am **Sugars & Infancy**
Session Chair: *Katie Page, MD, Assistant Professor of Medicine, USC*
- 9:15 am **Nutritional and Flavor Programming**
Julie Mennella, PhD (Monell Chemical Senses Center)
- 9:45 am **Secondhand Sugars: Role of Dietary Sugars in the Early Development of Obesity and Metabolic Risk**
Michael Goran, PhD (University of Southern California)
- 10:15 am **Break**
- 10:30 am **Trainee Poster Presentations**
- 11:15 am **Brain and Behavior**
Session Chair: *Megan Herting, PhD, Assistant Professor of Preventive Medicine, USC*
- 11:20 am **The Influence of Diet and Obesity on Cognitive Function**
Naiman Kahn, PhD, RD (University of Illinois)
- 11:50 pm **Early Life Sugar Consumption and Cognitive Impairment**
Scott Kanoski, PhD (University of Southern California)
- 12:20 pm **Lunch**
- 1:05 pm **Introduction of Trainees:** *Richard Watanabe, PhD, Professor of Preventive Medicine, USC*
- 1:10 pm **Trainee Oral Presentations**
- ◇ **Sex and Age Differences in the Metabolic and Neural Responses to High Fat Diet**
Amy Christensen, University of Southern California, Postdoctoral Fellow (Mentor: Christian Pike)
 - ◇ **Exposure to Traffic-Related Air Pollution and the Composition of the Gut Microbiota in Adolescents**
Tanya Lynn Alderete, University of Southern California, Postdoctoral Fellow (Mentors: Michael I. Goran & Frank Gilliland)
 - ◇ **Dietary Self-Control is Not Influenced by Food Tastiness in Overweight/Obese Children with Congenital Adrenal Hyperplasia Compared to Matched Controls**
Robert Kim, University of Southern California, Post-Baccalaureate (Mentor: Mimi S. Kim)
 - ◇ **In Vitro, In Vivo and Cerebrospinal Fluid Studies Implicate Decreased ABCA-1 activity with APOE4**
Varun Rawat, University of Southern California, Postdoctoral Fellow (Mentor: Hussein Yassine)

2:30 pm

Break

2:45 pm

Emerging Therapies in Diabetes

Session Chair: *Joyce Richey, PhD, Associate Professor of Clinical Physiology & Neuroscience, USC*

2:50 pm

Basic Science to Clinic. Development of a Non Opiate Non Addictive Analgesic for Diabetic Neuropathic Pain and Other Diabetes Co-morbidities through the Ninds-Nih Blueprint Development Program

Bruce Hammock, PhD (University of California, Davis)

3:20 pm

Potential for Modification of Renin Angiotensin System to Treat Diabetic Complications

Kathleen Rodgers, PhD (University of Arizona)

3:50 pm

Introduction of Keynote Speaker: *Michael Goran, PhD, DORI Co-Director, USC*

3:55 pm

Keynote Speaker - Brain Control of Glucose Homeostasis: Implications for the Pathogenesis and Treatment of Diabetes

Michael Schwartz, MD (University of Washington)

4:30 pm

Closing Remarks and Award Announcement

Richard Watanabe, PhD, Professor of Preventive Medicine, USC

Joyce Richey, PhD, Associate Professor of Clinical Physiology & Neuroscience, USC

4:45 pm

Award Reception