33rd Annual
MORTIMER D. SACKLER WINTER CONFERENCE
In Developmental Psychobiology

January 3<sup>rd</sup> – 6<sup>th</sup>, 2018

Mauna Lani Resort
Kohala Coast, Island of Hawaii
www.maunalani.com

Organizers
William Fifer, Columbia University & New York State Psychiatric Institute
Gordon Barr, Children’s Hospital of Philadelphia & University of Pennsylvania

Support for this conference provided by the:
The Sackler Institute of Columbia University in honor of
Mortimer D. Sackler, M.D.
We appreciate the continued generous support of the Sackler Family

Steering Committee
Dima Amso
Mark Ansorge
Regina Sullivan
Nim Tottenham
Schedule of Events
Wednesday, January 3, 2018

6:30 PM – 8:00 PM

Reception: Informal Opportunity to Greet and Meet

Thursday, January 4, 2018

8:30 – 10:30 AM

“Developmental Links: Speech, Language, and Executive Functions”

William Fifer, Organizer
Columbia University

Patricia Kuhl
University of Washington
“Language and the Baby Brain”

Janet Werker
University of British Columbia
“Multisensory Foundations of Speech and Language Processing in Infancy”

Dima Amso
Brown University
“Learning Mechanisms and Language in Infancy”

4:30 – 6:45 PM

The Alan Epstein Symposium

Moderators: William Fifer and Gordon Barr
Favorite new research and/or methodologies: Five minute presentations

Meeting Banquet 7:00 – 10:00
Friday, January 5, 2018

8:30 – 10:30 AM

“My Connectome Made Me Do It”

Kevin Staley, Organizer  
Harvard University

Stephen Smith  
Allen Institute for Brain Science  
“Studying how Neurons are Connected in the Human Brain”

Michael Fox  
Harvard University  
“From Connectomics to Behavior: fMRI and Cortical Stimulation”

David Edwards  
King’s College London  
“The Developing Human Connectome”

10:45 – 11:15 Sharon Bergquist, Bill and Melinda Gates Foundation  
“Bill & Melinda Gates Foundation Neurodevelopment Program”

4:30 – 6:30 PM

“Roots of Neurobehavioral Disorders”

Nim Tottenham, Organizer  
Columbia University

Daniel Geschwind  
UCLA  

Adriana Dimartino  
NYU  
“Autism as a Developmental Connectopathy”

Staci Bilbo  
Harvard University  
“Brain – Immune Interactions in Neurodevelopment: Order and Disorder

Dinner on your own
Saturday, January 6, 2018

8:30 – 10:30 AM

“Challenges and Opportunities of Big Data in Psychobiological Research”

Gordon Barr Organizer
Children’s Hospital of Philadelphia/Univ. Pennsylvania

Deanna Barch
Washington University
“Hypotheses Driven Research with Big Data: Examples from the Adolescent Brain and Cognitive Development Study”

Jed Elison
University of Minnesota
“Big Data in Developmental Science: Two Applications and One Opportunity”

Damien Fair
Oregon Health and Science University
“Opportunities to Examine Population Heterogeneity Using Big Data: Examples from the Adolescent and Cognitive Development Study”

4:30 – 6:30 PM

“Frontiers of Learning Spanning Development”

Dima Amso and Catharine Rankin, Organizers
Brown University and University of British Columbia

Paul Frankland
The Hospital for Sick Kids
“Hippocampal Neurogenesis, Forgetting and Infantile Amnesia”

Simona Ghetti
University of California-Davis
“Hippocampal Contributions to the Development of Episodic Memory”

Jamie Edgin
University of Arizona
“Memory Development and the Atypically Developing Hippocampus in Intellectual Disability”

Farewell Gathering: 6:45 – 8:00 PM