

# Integrated Multi-Level Approaches to Psychosocial Processes & Health

4 • 27 • 2017  
Boston, MA

## A Unique Scientific Meeting Examining Multi-Level Research on Human Behavior & Health

8:30am – 4:00pm | Stone Room, Westin Waterfront Hotel

– featuring –



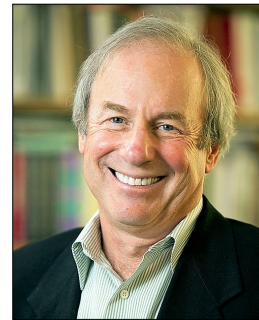
**Anil Sood**  
MD Anderson



**Michael Snyder**  
Stanford



**George Church**  
Harvard/MIT



**Ian Gotlib**  
Stanford



**Laura Kubzansky**  
Harvard



**Paige Green**  
NCI



**Lisa Onken**  
NIA



**Janine Simmons**  
NIMH

### OVERVIEW

The development of new tools for measuring the activity of neural and peripheral systems in the human body is beginning to revolutionize research on psychosocial processes and health. Whereas studies on social, psychological, and affective processes were once limited to one or two levels of analysis, research is now beginning to integrate across multiple levels to elucidate the full set of neural, physiologic, immunologic, molecular, genetic, and genomic mechanisms linking social-environmental experiences with human health and behavior. These studies have the ability to inform the development of new theories on important topics, but numerous challenges also exist.

This meeting will explore these opportunities and challenges by bringing together some of the brightest minds in integrated, multi-level research today. The meeting will include invited talks on cutting-edge approaches to studying mental health, cardiovascular disease, cancer, and aging, given by several renowned investigators including Drs. George Church (Harvard University/MIT), Ian Gotlib (Stanford University), Anil Sood (MD Anderson Cancer Center), and Laura Kubzansky (Harvard University). A pioneer in integrated, multi-level research, Dr. Michael Snyder (Stanford University), will describe the relevance of this work for “precision health,” and NIH program officers including Janine Simmons (NIMH), Paige Green (NCI), and Lisa Onken (NIA) will discuss current and future NIH funding priorities on these topics. Finally, a selection of short flash talks will be presented by faculty and students from across the country.

### ORGANIZERS

George M. Slavich, PhD, UCLA  
Michael R. Irwin, MD, UCLA



### SPONSORED BY

Cousins Center for Psychoneuroimmunology  
<https://www.semel.ucla.edu/cousins>

## MEETING SCHEDULE

### Morning Session

- 8:30am Introduction & Meeting Overview – Dr. George Slavich (5 min)
- 8:35am **Invited Talk – Multi-level approaches to Mental Health – Dr. Ian Gotlib (35 min)**
- 9:10am Questions for Dr. Gotlib (5 min)
- 9:15am **Invited Talk – Multi-level approaches to Cardiovascular Disease – Dr. Laura Kubzansky (35 min)**
- 9:50am Questions for Dr. Kubzansky (5 min)
- 9:55am Moderated Integration & Discussion with Drs. Gotlib & Kubzansky – Dr. George Slavich (15 min)
- 10:10am *Coffee break (20 min)*
- 10:30am **Invited Talk – Multi-level approaches to Cancer – Dr. Anil Sood (35 min)**
- 11:05am Questions for Dr. Sood (5 min)
- 11:10am **Invited Talk – Multi-level Integration & Precision Health – Dr. Michael Snyder (35 min)**
- 11:45am Questions for Dr. Snyder (5 min)
- 11:50am Moderated Integration & Discussion with Drs. Sood & Snyder – Dr. Mike Irwin (15 min)
- 12:05am *Lunch on your own – please return on time (85 min)*

### Afternoon Session

- 1:30pm **Invited Talk – Multi-level approaches to Aging – Dr. George Church (35 min)**
- 2:05pm Questions (5 min) and Moderated Integration & Discussion with Dr. Church – Dr. Mike Irwin (10 min)
- 2:20pm **Flash Talks – 5-min talks + 1 min questions (42 min)**
- 1) *Engagement in Multiple Healthy Behaviors is Associated with Greater Parasympathetic Recovery from Acute Stress* (Diana Wang & Tara Gruenewald)
  - 2) *Subjective General Health and the Social Regulation of Hypothalamic Activity* (Casey Brown, Lane Beckes, Joseph Allen, & James Coan)
  - 3) *Inflammation and Dimensions of Reward Processing* (Chloe Boyle, Larissa Dooley, Kate Kuhlman, Marcie Haydon, Theodore Robles, & Julienne Bower)
  - 4) *Startle Reactivity in Gulf-War Veterans with PTSD* (Andrea Niles, Adam Luxenberg, Thomas Neylan, Sabra Inslicht, Thomas Metzler, Jennifer Hlavin, Jersey Deng, & Aoife O'Donovan)
  - 5) *Pathways from Prenatal Maternal Stress to Schizophrenia: The SPIRAL Studies* (Suzanne King)
  - 6) *African American Women's Experiences of Discrimination Modify Associations Between Extracellular Heat Shock Protein 70 and Birth Outcomes* (Shannon Gillespie & Jodi Ford)
  - 7) *Developmental Theory of Chronic Pain: Translational Multilevel Research Findings and Implications for Treatment* (Alla Landa)
- 3:05pm **Moderated NIH Panel – Paige Green (NCI), Lisa Onken (NIA), & Janine Simmons (NIMH) (50 min)**
- 3:55pm Closing Comments – Dr. George Slavich (5 min)
- 4:00pm End