

Speakers

Marina Bedny, PhD

Assistant Professor
Psychological & Brain Sciences
JHU, Baltimore, MD

Kim Butts Pauly, PhD

Professor
Radiology
Stanford U, Stanford, CA

Linda Chang, MD, MS

Professor
Diagnostic Radiology and Nuclear Medicine
UMB, Baltimore, MD

Emily Finn, PhD

Postdoctoral Fellow
Section on Functional Imaging Methods
NIH/NIMH, Bethesda, MD

Jill Goldstein, PhD

Professor
Psychiatry and Medicine
Harvard U, Cambridge, MA

Catherine Limperopoulos, PhD

Director
MRI Research of the Developing Brain
Children's National, Washington, D.C.

Lindsay Oberman, PhD

Research Assistant Professor
Medical & Clinical Psychology
USUHS, Bethesda, MD

Laura Rowland, PhD

Associate Professor
Psychiatry
MPRC, Baltimore, MD

Tracy Riggins, PhD

Associate Professor
Psychology
UMD, College Park, MD

Harvard U - Harvard University; JHU - Johns Hopkins University; MPRC - Maryland Psychiatric Research Center; NIMH - National Institute of Mental Health; Stanford U - Stanford University; UMB - University of Maryland, Baltimore; UMD - University of Maryland, College Park; USUHS - Uniformed Services University of the Health Sciences

Registration

Please arrive before 9:00 AM to pick up your folder at the registration desk. Complimentary lunch is provided with registration.

Organizing Committee

Chandler Rhodes, Shiyu Tang
Joyce Teixeira Da Silva,
Pavlos Anastasiadis,
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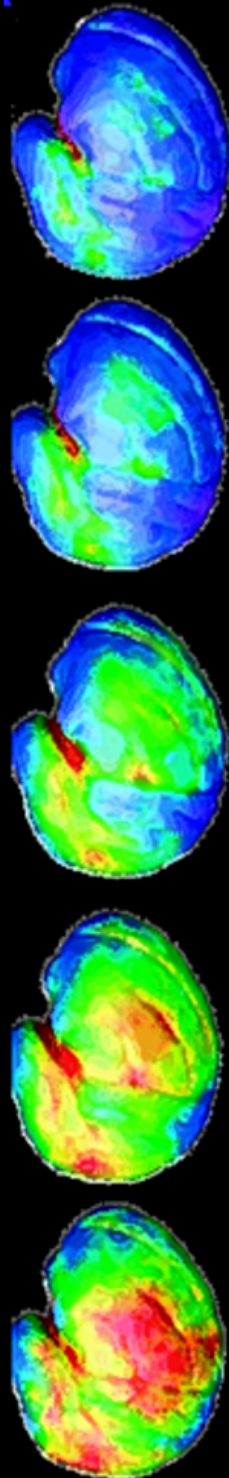


Functional Neuroimaging of Brain Development, Disorders & Disease



April 9, 2019

University of Maryland, Baltimore
SMC Campus Center
Elm Room 208 A&B



Agenda

- 8:30-9:00 **Registration and Breakfast**
- 9:00-9:15 **Opening Remarks**
- 9:20-9:45 **Linda Chang, MD, MS, UMB**
Neural Correlates of Cognitive Deficits and Cognitive Training in HIV Patients
- 9:50-10:15 **Laura Rowland, PhD, MPRC**
Altered Neurotransmitters and Bioenergetics in Schizophrenia: ¹H-MRS Studies
- 10:20-10:45 **Catherine Limperopoulos, PhD, Children's National**
Harnessing the Power of Quantitative MRI to Advance Understanding of Structural and Functional Connectivity of the Human Fetal Brain
- 10:50-11:20 **Posters + Coffee Break**
- 11:20-11:45 **Marina Bedny, PhD, JHU**
Nature & Nurture in Neurocognitive Development: Insights from Studies with Blind Individuals
- 11:50-12:25 **Trainee Presentations**
- 12:30-1:15 **Lunch + Networking**
- 1:20-1:45 **Lindsay Oberman, PhD, USUHS**
Transcranial Magnetic Stimulation: Applications in Autism Spectrum Disorder
- 1:50-2:15 **Emily Finn, PhD, NIH/NIMH**
Individual Differences under Different Imaging Conditions: Toward a "Stress Test" for the Brain
- 2:20-2:45 **Tracy Riggins, PhD, UMD**
Hippocampal-memory Network Development and Episodic Memory in Early Childhood
- 2:50-3:20 **Posters + Coffee Break**

Agenda (continued)

- 3:25-3:50 **Kim Butts Pauly, PhD, Stanford U**
Bringing Transcranial MR-guided Focused Ultrasound into Focus
- 4:00-4:55 **KEYNOTE: Jill Goldstein, PhD, Harvard U**
Prenatal Programming of Sex Differences in the Brain: Impact on Comorbidity of Depression and Cardiovascular Risk
- 4:55-5:00 **Closing Remarks**
- 5:00-6:00 **No Host Happy Hour**
Frank & Nic's West End Grille

Keynote Speaker

Jill M. Goldstein, PhD

Professor of Psychiatry and Medicine, Harvard Medical School, Founder and Executive Director of the Women, Heart and Brain Global Initiative at Massachusetts General Hospital (MGH), The Helen T. Moerschner Endowed MGH Research Institute Chair in Women's Health.



Dr. Goldstein is a clinical neuroscientist and expert in understanding sex differences in health and diseases associated with the central nervous system, in particular, major depression, its comorbidity with cardiovascular disease (CVD), and risk for Alzheimer's disease (AD). Her program of research (funded by NIH for 30 years) called the Clinical Neuroscience Laboratory of Sex

Differences in the Brain, consists of an interdisciplinary team of investigators integrating brain imaging, physiology, neuroendocrinology, genetics, immune function, and collaborations with preclinical studies of sex differences in the brain. Dr. Goldstein has received numerous awards for her work on sex differences in the brain, served on scientific review boards, and participated in strategic planning for National Institute of Mental Health, NIH Office of Research on Women's Health (ORWH), and the Institute of Medicine.

(See full program for complete biography)

