

Speakers

Lauren Atlas, Ph.D.

Chief, Section on Affective Neuroscience and Pain
NIH/NCCIH
Bethesda, MD

M. Catherine Bushnell, Ph.D.

Senior Investigator, Pain and Integrative Neuroscience Branch
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Luana Colloca, M.D., Ph.D.

Associate Professor, Pain and Translation Symptom Science
University of Maryland, Baltimore
Baltimore, MD

Cameron Craddock, Ph.D.

Director of Imaging
Child Mind Institute
New York, NY

Patrick Finan, Ph.D.

Assistant Professor, Psychiatry and Behavioral Sciences
Johns Hopkins University
Baltimore, MD

Martin Lindquist, Ph.D.

Professor, Department of Biostatistics
Johns Hopkins University
Baltimore, MD

Raimi Quiton, Ph.D.

Assistant Professor, Department of Psychology
University of Maryland, Baltimore County
Baltimore, MD

Ben Seymour, Ph.D.

Clinical Research Associate, Behavioural and Clinical Neuroscience Institute
University of Cambridge
Cambridge, UK

Alex Shackman, Ph.D.

Assistant Professor, Department of Psychology
University of Maryland, College Park
College Park, MD

Ragini Verma, Ph.D.

Associate Professor, Center for Biomedical Image Computing and Analytics
University of Pennsylvania
Philadelphia, PA

Tor Wager, Ph.D.

Director, Cognitive and Affective Control Laboratory
University of Colorado, Boulder
Boulder, CO

General Information

Registration

Please arrive before 9:00 AM to pick up your folder at the registration desk outside Room 140, School of Nursing. Complimentary lunch is provided with registration.

Organizing Committee

David Seminowicz, Ph.D., Joel Greenspan, Ph.D.,
Rao Gullapalli, Ph.D., Chandler Sours, Ph.D.,
Brigitte Pocta, M.L.A., Shiyu Tang, B.S.



Maryland

Neuroimaging Retreat

Pain Neuroimaging - Advances & Controversies



April 14, 2017

8:30 AM—5:00 PM

University of Maryland, Baltimore
School of Nursing
Room 140

Agenda

8:30-9:00 Registration and Breakfast

9:00-9:05 Opening Remarks

Panel 1: Neuroimaging Advances in Pain and Beyond

9:05-9:20 **Lauren Atlas, Ph.D., NIH/NCCIH**
How Instructions and Expectations Shape Pain and Aversive Learning

9:25-9:40 **Cameron Craddock, Ph.D., Child Mind Institute**
Tracking Dynamic Networks in Real Time

9:45-10:00 **Martin Lindquist, Ph.D., JHU**
High-dimensional Multivariate Mediation with Application to Pain

10:05-10:35 Panel 1 Discussion

10:40-11:00 Coffee Break

Panel 2: Clinical Decision Making through Neuroimaging

11:05-11:20 **Ragini Verma, Ph.D., UPenn**
On Connectomes of Sex, Development and Pathology

11:25-11:40 **Alex Shackman, Ph.D., UMD**
The Integration of Emotion, Pain, and Cognition in the Brain

11:45-12:00 **Patrick Finan, Ph.D., JHU**
fMRI as a Tool to Understand Interactions between Sleep, Emotions, and Pain

12:00-12:15 **M. Catherine Bushnell, Ph.D., NIH/NCCIH**
Rodent PET to Examine the Effect of Chronic Pain on the Brain Opioid System

12:15-12:45 Panel 2 Discussion

12:45-2:00 Lunch

Agenda (continued)

Panel 3: The "Pain Matrix"

2:00-2:15 **Ben Seymour, Ph.D., UC**
The Computational Pain Matrix

2:20-2:35 **Raimi Quiton, Ph.D., UMBC**
Individual Differences in Brain Responses to Pain: Contribution of Sociocultural Factors

2:40-3:05 **Luana Colloca, M.D., Ph.D., UMB**
Pain and Placebo

3:10-3:30 Coffee Break

3:35-3:55 **Tor Wager, Ph.D., CU**
Pain Generation: Neuroimaging Models and Open Challenges

4:00-4:45 Panel 3 Discussion

4:50-4:55 Closing Remarks

5:00-6:00 Networking Reception (Frank & Nic's West End Grille)

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