

Novel Target Discovery and Intervention Development Workshop

February 24-25, 2020

**NIMH Neuroscience Center
Rockville, MD
Conference Rooms A1/A2**

Monday, February 24

9:00 AM Breakfast/Registration
9:30 AM Intro (Sarah Lisanby, MD, Director of Division of Translational Research)
9:45 AM Introductions
10:00 AM Charge to participants (NIMH)

Session 1: Targeting clinical outcomes in psychosis via cognitive training and novel mechanisms of action

10:15 AM **Cognitive training for emotion regulation in psychotic disorders**
Gregory Strauss, PhD
University of Georgia

10:35 AM **Neurofeedback processing speed training to improve social functioning in psychosis**
Jimmy Choi, Psy.D.
Olin Neuropsychiatry Research Center

10:55 AM Discussion

11:15 AM Break (30 min.)

Session 2: Teaching children to not be afraid of their bodies: Feeling and Body Investigators (FBI): Acceptance-Based Interoceptive Exposure for Childhood Abdominal Pain

11:45 AM **Feeling and Body Investigators (FBI): Rationale, Development and Implementation**
Nancy Zucker, PhD
Duke University

12:05 PM **Children with Pain: The Potential Relevance of Vagal Efficiency**
Gregory F. Lewis, PhD
Indiana University

12:25 PM **Children with Pain: The Pain of Measuring Squirmy Children**
Maria I. Davila, PhD
University of North Carolina, Chapel Hill

12:45 PM Discussion

1:15 PM Lunch Break (1.5 hours)

Session 3: Reducing Distractibility in Children with ADHD using Habituation Training via Virtual Reality Technology

2:45 PM **Clinical-Translational Considerations in Developing a Virtual Reality Intervention to Reduce Distractibility in ADHD**
Julie Schweitzer, PhD
University of California, Davis

3:05 PM **Basic Psychological Science of Distractor Suppression Applied to Learning in ADHD**
Joy Geng, PhD
University of California, Davis

3:25 PM Discussion

Session 4: Targeted Behavioral Therapeutics for Cognitive Control Network deficits: An answer to treatment resistance in Late Life Depression

- 3:45 PM **Matching psychotherapeutic elements to cognitive control deficits in older adults with treatment resistant depression**
Patricia Areán, PhD
University of Washington
- 4:05 PM **Using a Therapeutic Video Game to Target Cognitive Control Network Dysfunction in Mid and Late Life Depression**
Faith Gunning, PhD
Weill Cornell Medicine
- 4:25 PM Discussion
- 4:55 PM Break (30 min)
- 5:25 PM Discussion of Lessons from Day 1
- 5:45 – 6:15 PM Summary of Day 1 and Overview of Day 2

****No Host Dinner at Local Restaurant****

Tuesday, February 25

8:30 AM Breakfast/Registration

Session 5: TITLE TBD

- 9:00 AM Suzy Scherf, PhD
Pennsylvania State University
- 9:20 AM **Leveraging tailored and adaptive designs in innovative target-focused intervention development and testing**
Josh Smyth, PhD
Pennsylvania State University
- 9:40 AM Discussion

Session 6: Parenting with Depression: Intervention Development and Implementation

- 10:00 AM **Parenting with Depression: Experimental Therapeutics and Targets**
Rhonda Boyd, PhD
Children's Hospital of Philadelphia
- 10:20 AM **Parenting with Depression: Overview and Intervention Development**
James Guevara, MD, MPH
Children's Hospital of Philadelphia
- 10:40 AM Discussion
- 11:00 AM Break (30 min)
- 11:30 AM Synthesis and Forward Directions
- 1:00 PM Adjourn

Discussants:

Olusola Ajilore, MD, PhD
University of Illinois at Chicago

Jovier Evans, PhD
National Institute of Mental Health (NIMH)
Division of Translational Research (DTR)

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