2020 NIH Pain Consortium Symposium on Advances in Pain Research
*Technologies for Improved Understanding and Management of Pain*
June 3, 2020 | 10:30AM – 5:15PM ET
All-Virtual Meeting

**10:30 AM**  
**Welcome and Opening Remarks**  
Walter Koroshetz, MD | Director, National Institute of Neurological Disorders and Stroke, PC Executive Committee Chair

**10:45 AM**  
**Keynote Address:** Technology Integration to Enhance Discovery, Innovation, and Precision Pain Care  
Sean Mackey, MD, PhD | Stanford University

**11:25 AM**  
**Panel Session: Technological Advancements in the Assessment and Management of Pain**  
Moderator: Martha Matocha, PhD | National Institute of Nursing Research

- **Digital Behavioral Medicine for Pain Relief and Opioid Reduction**  
  Beth Darnall, PhD | Stanford University

**11:50 AM**  
**Development of A Mouse Acute Pain Scale**  
Wenqin Luo, PhD | University of Pennsylvania

**12:10 PM**  
**Automated System to Capture Patient/Caregiver Reported Symptoms**  
Kathleen Mooney, PhD | University of Utah

**12:30 PM**  
Panel Session Q & A

**12:45 PM**  
Break

**1:00 PM**  
**Panel Session: Innovative Technologies, Translational Developments and Devices to Treat Pain**  
Moderator: Michael Wolfson, PhD | National Institute of Biomedical Imaging and Biomedical Engineering

- **Engineering the Future of Pain Treatments**  
  Michael Wolfson, PhD | NIBIB

**1:10 PM**  
**Optimization and Validation of Ultrasound and Localized Drug Release Technologies**  
George Lewis, PhD | Zetroz Systems LLC, Trumbull, CT
1:30 PM  **Transcranial Direct Current Stimulation for Pain Management**
Hyochol Ahn, PhD | UT Health Science Center

1:50 PM  Panel Session Q & A

2:00 PM  **Junior Investigators Session**
Moderator: Leah Pogorzala, PhD | NINDS

  **Junior Investigators’ Data Blitz**

2:45 PM  **Mitchell Max Awardee Introduction**
Helene Langevin, MD | Director, National Center for Complementary and Integrative Health, PC Executive Committee Member

2:50 PM  **Mitchell Max Awardee Presentation:** Repression of Sodium Channels via a Gene Therapy for Treatment of Chronic Neuropathic Pain
Ana Moreno, PhD | Navega Therapeutics, San Diego, CA

3:05 PM  Break

3:35 PM  **A Patient’s Perspective**
Jennifer Harrison, MS | President, TeachMeGIS

3:50 PM  **Address from BRAIN Initiative Director | John Ngai, PhD**

4:05 PM  **Panel Session: Technologies for Understanding Pain Across Populations**
Moderator: DP Mohapatra, PhD | National Institute of Neurological Disorders and Stroke

  **Overview: Pain in Aging Populations**
M. Cary Reid, MD, PHD | Weill Cornell Medical College

4:30 PM  **Sex-specific Therapeutics Based on Gene Discovery and Mechanistic Studies**
Ted Price, PHD | University of Texas, Dallas

4:50 PM  Panel Session Q & A

5:00 PM  **Closing Remarks**
Nora Volkow, MD | Director, National Institute of Drug Abuse, PC Executive Committee Member

5:15 PM  **Adjourn**