



**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**