



**INITIATIVE ON METHODS, MEASUREMENT, AND PAIN ASSESSMENT IN
CLINICAL TRIALS**

IMPACT-XXIII

**RESEARCH DESIGN CONSIDERATIONS FOR CHRONIC PAIN CLINICAL TRIALS ADDRESSING
CENTRAL SENSITIZATION/SOMATOSENSORY AMPLIFICATION AND MULTIPLE COMORBIDITIES**

**JULY 25-26, 2019
WASHINGTON, DC**

THURSDAY, JULY 25, 2019

7:30-8:00 AM	CONTINENTAL BREAKFAST
8:00-8:30 AM	Introduction and meeting objectives <ul style="list-style-type: none">• <i>Dennis Turk, PhD</i>
8:30-9:00 AM	Neurobiology of central sensitization <ul style="list-style-type: none">• <i>Clifford Woolf, MD, PhD</i>
9:00-9:15 AM	Q & A
9:15-9:45 AM	What is “centralized chronic pain” and how can it be assessed? <ul style="list-style-type: none">• <i>Daniel Clauw, MD</i>
9:45-10:00 AM	Q & A
10:00-10:30 AM	BREAK
10:30-11:00 AM	Somatosensory amplification and the development and maintenance of chronic pain (including assessment) <ul style="list-style-type: none">• <i>Robert Edwards, PhD</i>
11:00-11:15 AM	Q & A
11:15-11:45 AM	A regulatory perspective on the introduction of new analgesic indications <ul style="list-style-type: none">• <i>Sharon Hertz, MD</i>
11:45-12:00 PM	Q & A
12:00-1:00 PM	LUNCH
1:00-2:00 PM	Panel and audience discussion <ul style="list-style-type: none">• <i>Moderator: John Markman, MD</i>• <i>Daniel Clauw, MD; Robert Edwards, PhD; Howard Fields, MD, PhD; Sharon Hertz, MD; Clifford Woolf, MD, PhD</i>



- 2:00-2:30 PM** **Co-morbidities in chronic pain: a systematic review**
- *Annie Kleykamp, PhD*
- 2:30-3:00 PM** **Central sensitization and chronic overlapping pain conditions**
- *Roger Fillingim, PhD*
- 3:00-3:30 PM** **BREAK**
- 3:30-4:00 PM** **What has fMRI revealed about central sensitization and chronic pain?**
- *Vitaly Napadow, PhD*
- 4:00-5:00 PM** **Q & A and panel discussion**
- *Moderator: Ajay Wasan, MD*
 - *Roger Fillingim, PhD; Annie Kleykamp, PhD; Vitaly Napadow, PhD; Shannon Smith, PhD; Christin Veasley*
- 7:00-9:00 PM** **DINNER**

FRIDAY, JULY 26, 2019

- 7:30-8:00 AM** **CONTINENTAL BREAKFAST**
- 8:00-8:45 AM** **Implications of central sensitization and “centralized chronic pain” for the design of chronic pain clinical trials**
- *Srinivasa Raja, MD*
- 8:45-9:30 AM** **Implications of somatosensory amplification for the design of chronic pain clinical trials**
- *Claudia Campbell, PhD*
- 9:30-10:00 AM** **BREAK**
- 10:00-10:45 AM** **Implications of multiple comorbidities for the design of chronic pain clinical trials**
- *Lesley Arnold, MD*
- 10:45-11:45 AM** **Q & A and panel discussion**
- *Moderator: Nathaniel Katz, MD*
 - *Lesley Arnold, MD; Claudia Campbell, PhD; Srinivasa Raja, MD; Friedhelm Sandbrink, MD, PhD*
- 11:45-1:00 PM** **LUNCH**



1:00-3:30 PM

Consensus discussion: What specific recommendations can be made for chronic pain clinical trials addressing central sensitization/somatosensory amplification and multiple comorbidities?

- *Moderators: Robert Dworkin, PhD, and Annie Kleykamp, PhD*