

SCI 2020: Launching a Decade for Disruption in Spinal Cord Injury Research

February 12-13, 2019

NIH Natcher Conference Center, Bethesda, MD



Day 1: Tuesday, February 12

- 8:30-9:00 AM** **Registration**
- 9:00-9:15 AM** **Welcome:** Lyn Jakeman, PhD, Director, NINDS Division of Neuroscience, and Alison Cernich, PhD, Director, National Center for Medical Rehabilitation Research
- 9:15-10:00 AM** **Keynote Presentation:** Michael L. Boninger, MD, University of Pittsburgh
- 10:00-10:30 AM** **Lived Experience:** Robert Wudlick, Get Up Stand Up to Cure Paralysis
- 10:30-11:00 AM** **Break**
- 11:00-11:30 AM** **Goals and Intentions for SCI 2020:** Lyn Jakeman, PhD, NIH/NINDS
- 11:30-12:45 PM** **Session 1: Fire and Smoke - Opportunities in the Acute Post-Injury Phase**
Chair: Linda Noble-Haeusslein, PhD, University of Texas at Austin
Panelists: William Whetstone, MD, University of California San Francisco
Alexander Rabchevsky, PhD, University of Kentucky
Marc Simard, MD, PhD, University of Maryland
Q&A Facilitators:
James D Guest, MD, PhD, University of Miami
Dana McTigue, PhD, The Ohio State University
- 12:45-1:45 PM** **Lunch/Networking (option to pre-order box lunch)**
- 1:45-3:00 PM** **Session 2: Innovating Repair, Plasticity and Regeneration in the Subacute and Chronic Periods**
Chair: Michael Sofroniew, MD, PhD, University of California at Los Angeles
Panelists: Zhigang He, PhD, Harvard University
James D Guest, MD, PhD, University of Miami
Jennifer Dulin, PhD, Texas A&M University
Q&A Facilitators:
Veronica Tom, PhD, Drexel University
Sam Pfaff, PhD, Salk Institute
- 3:00-3:30 PM** **Perspective: Rigor and Reporting in SCI Research**
Dana McTigue, PhD, The Ohio State University
- 3:30-4:00 PM** **Break**
- 4:00-5:15 PM** **Session 3: With Us, Not for Us: Community activity and Priorities**
Co-Chairs: Matthew Rodreick, Executive Director, Unite 2 Fight Paralysis and Robert Wudlick,
Chair, Get Up Stand Up to Cure Paralysis
Panel – North American Spinal Cord Injury Consortium

Jennifer French, Executive Director, Neurotech Network
Kimberly Anderson-Erisman, PhD, Cleveland FES Center
Alexander Rabchevsky, PhD, University of Kentucky
John Chernesky, Consumer Engagement Lead, Rick Hansen Institute
Barry Munro, Ontario Neurotrauma Foundation

5:30-7:00 PM **Poster Session and Social – Natcher Center Atrium**

Day 2: Wednesday, February 13

8:30-8:45 AM **Welcome:** Walter Koroshetz, MD, Director, NINDS

8:45-10:00 AM **Session 4: No Plateau! Neuromodulation to Improve Neurological Function Months and Years After SCI**

Chair: Edelle Field-Fote, PT, PhD, Shepherd Center and Emory University

Panelists: D. Michele Basso, EdD, PT, The Ohio State University
Mary Jane (MJ) Mulcahey, PhD, Thomas Jefferson University
Chet Moritz, PhD, University of Washington

Q&A Facilitators:

Kimberly Anderson-Erisman, PhD, Cleveland FES Center
Gregoire Courtine, PhD, Swiss Federal Institute of Technology Lausanne

10:00-10:30 AM **Break**

10:30-12:00 PM **Session 5: SCI in Context: Health and Secondary Health Effects of Chronic SCI**

Chair: Richard Shields PT PhD, University of Iowa

Panelists: Phillip Popovich, PhD, The Ohio State University
Melissa Morrow, PhD, Mayo Clinic
Michael J. Kennelly, MD, University of North Carolina

Q&A Facilitators:

James Krause, PhD, Medical University of South Carolina
Joetta Khan, PhD, MPH, RD, Walter Reed National Military Medical Center

12:00-1:00 PM **Lunch & Resource Networking (option to pre-order box lunch)**

1:00-2:15 PM **Session 6: Technological Facilitation, Prosthetic and Robotic Interventions and Therapies Across the Spectrum of Mild/Moderate/Severe SCI**

Chair: Jose Contreras-Vidal, PhD, University of Houston

Panelists: Ann M. Spungen, EdD, Mount Sinai Medical Center and James J. Peters VAMC
Jennifer Collinger, PhD, University of Pittsburgh
Gregoire Courtine, PhD, Swiss Federal Institute of Technology Lausanne

Q&A Facilitators:

Vivek Pinto, PhD, FDA, Physical Medicine and Rehabilitation Devices Branch
Jennifer French, Executive Director, Neurotech Network

2:15-2:45 PM **Break**

2:45-4:00 PM **Breakout Sessions: Research Priorities for the Next Decade**

Moderators will facilitate discussions and try to build consensus on 1-3 critical research needs, stemming from the conference sessions. Participants may choose which breakout session they wish to attend by signing up at the registration desk:

- A. Research priorities for **acute care** (Session 1)
- B. Research priorities for **repair and plasticity** (Session 2)
- C. Research priorities for **neurological recovery in SCI** (Session 4)
- D. Research priorities for **health and secondary health effects** (Session 5)
- E. Research priorities for **prosthetic and robotic devices in SCI** (Session 6)

4:00-4:30 PM Reconvene (breakout leaders report back)

4:30-6:00 PM Summary, Top Priorities and Next Steps

Adjourn

External Steering Committee:

- Linda Noble-Haeusslein, PhD
- Michael V. Sofroniew, MD, PhD
- Matthew Rodreick
- Robert Wudlick
- Edelle Field-Fote, PT, PhD
- Richard Shields, PT, PhD
- Jose (Pepe) Contreras-Vidal, ITESM, MS, PhD,
- Veronica Tom, PhD
- Dana McTigue, PhD
- Michael Boninger, MD
- Leslie Morse, DO, Craig Hospital, U Colorado Denver
- Jeanne Zanca, PhD, MPT, Kessler Foundation

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- Rick Hansen Institute
- United Spinal Association
- Wings4Life

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- Federal Drug Administration
- Center for Medicaid and Medicare Services