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Basic-Translational-Clinical Roundtables

098. Pain Management and Opioids in the Time of COVID-19 - Simon Haroutounian

Location: SDCC 11

Time: Sunday, November 13, 2022, 10:30 AM - 12:00 PM

Description: This Basic-Translational-Clinical Roundtable session will focus on pain management in the times of COVID-19. Emerging evidence suggest that COVID-19 is associated with new onset of pain and worsening of pre-existing pain in some patients. This session will discuss the epidemiology and mechanisms of new onset pain and neuropathy in the context of COVID-19, including persistent symptoms. We will discuss the trajectories of pain, emotional distress, and opioid misuse behaviors, considering socio-demographic factors and individual differences in pain catastrophizing and sleep.

Chair: S. Haroutounian;

Anesthesiology, Washington University School of Medicine, St. Louis, MO.

Disclosures: S. Haroutounian: None.

Speaker: C. Mun;

Arizona State University, Phoenix, AZ.

Disclosures: C. Mun: None.

Speaker: D. Ciampi de Andrade;

Aalborg University Danmark, Aalborg, DENMARK.

Disclosures: D. Ciampi de Andrade: None.

Basic-Translational-Clinical Roundtables

256. Advancing Treatments to Drive Functional Restoration After Spinal Cord Injury: Developing a Pathway to Facilitate the Translational Pipeline - Michael G. Fehlings

Location: SDCC 11

Time: Monday, November 14, 2022, 10:30 AM - 12:00 PM

Description: Despite advances in treating spinal cord injury (SCI), many individuals have substantial residual impairment and approaches to restore function are needed. This roundtable will discuss the challenges and opportunities in translating restorative treatments for SCI into the clinic. Following brief presentations, a moderated roundtable discussion will address key issues. Representatives from key stakeholder groups are encouraged to attend the session and an interactive discussion will be facilitated.

Chair: M. G. Fehlings;

University of Toronto, Toronto, ON, CANADA.

Disclosures:

Co Chair: M. J. Rodreick;
Unite 2 Fight Paralysis, Minneapolis, MN.

Disclosures: M.J. Rodreick: None.

Speaker: C. Craven;
Spinal Cord Rehabilitation Program, Toronto Rehabilitation Institute, Toronto, ON, CANADA.

Disclosures:

Speaker: J. Stanicka;
Axonis Therapeutics, Inc., Cambridge, MA.

Disclosures:

Basic-Translational-Clinical Roundtables

589. COVID and Olfaction - John Ngai

Location: SDCC 11

Time: Wednesday, November 16, 2022, 10:30 AM - 12:00 PM

Description: SARS-CoV-2, the causal agent in COVID, causes significant acute and chronic changes to nervous system function. In this roundtable, panelists will focus on recent work defining how SARS-CoV-2 affects the human sense of smell. This panel will discuss likely mechanisms, possible treatments, and implications for our understanding of how COVID influences brain function more generally.

Chair: J. Ngai;
NINDS, Bethesda, MD.

Disclosures:

Speaker: B. J. Goldstein;
Duke University, Durham, NC.

Disclosures: B.J. Goldstein: None.

Speaker: E. H. Holbrook;
Massachusetts Eye & Ear / Harvard Medical School, Boston, MA.

Disclosures: E.H. Holbrook: None.

Speaker: M. Zazhytska;
Columbia University, New York, NY.

Disclosures: M. Zazhytska: None.

Dual Perspectives

340: Population or Single Cell Coding: What Is the Language of the Brain? - Srdjan Ostojic

Location: SDCC 6B

Time: Monday, November 14, 2022, 2:00 PM - 3:30 PM

Description: Neural coding is currently envisioned either in terms of cell-classes based on functional, genetic or anatomical properties, or in terms of distributed, mixed-selective populations. Are these two views mutually exclusive, or can they be bridged to form a common framework? In this Dual Perspectives session, Dr. Giacomo will discuss the limits of the cell-class view in the navigational system, Dr. Kepecs will show how cell classes appear despite mixed-selectivity in the orbito-frontal cortex, and Dr. Rajan will combine the two views to describe computations across brain areas.

Moderator: *S. OSTOJIC

Ecole Normale Superieure, Paris, France

Disclosure: S. Ostojic: None.

Speakers: L. M. Giacomo

Neurobiology, Stanford University, Stanford, CA.

Disclosure: L. M. Giacomo: None

Speakers: A. Kepecs

Washington University in St Louis, St Louis, MO.

Disclosure: A. Kepecs: None

Speakers: K. Rajan

Mount Sinai School of Medicine, New York, NY.

Disclosure: K. Rajan: None.

Dual Perspectives

675: Should We Abandon Statistical Significance Testing in Neuroscience? Arguments for Replacing It With Estimation Methods vs Retaining and Improving It - Christophe Bernard

Location: SDCC 29

Time: Wednesday, November 16, 2022, 2:00 PM - 3:30 PM

Description: Within neuroscience and beyond there is fierce debate about statistical significance and hypothesis testing. Some want to replace significance testing with estimation; others contend

this would be a grave error. This controversy involves profound issues about how we carry out and evaluate neuroscience research. In this session, we will offer both an argument for focusing on estimation (Calin-Jageman) and an opposing argument for improving significance testing (Alger).

Moderator: C. BERNARD

Aix-Marseille University, Marseille, France

Disclosure: C. Bernard: None.

Speakers: B. E. Alger

Univ Maryland Sch Med, Univ Maryland Sch Med, Baltimore, MD.

Disclosure: B.E. Alger: None.

Speakers: R. Calin-Jageman

Dominican University, Dominican University, River Forest, IL.

Disclosure: R. Calin-Jageman: Other; I am a co-author of a statistics textbook that emphasizes estimation over hypothesis testing.

Storytelling

173. Who Speaks for the Community? How Storytelling Unites Research and Society on the Quest to Improve the Lives of Individuals With Spinal Cord Injury - John C. Gensel

Location: SDCC 29

Time: Sunday, November 13, 2022, 2:00 PM - 3:30 PM

Chair: J. C. Gensel

University of Kentucky, Lexington, KY.

Disclosures: J.C. Gensel: None.

Description: Overcoming neuroscience challenges requires inspired dedication. This session will use storytelling to personalize the motivations of individuals dedicated to driving change. Personal stories will showcase the unique origins of a diverse group (research, advocacy, lived experience, government) united toward a common goal. The session itself is a story of how one field, spinal cord injury, is forging citizen-scientist relationships to impact the direction and translation of scientific research.

173.02. Gaining inspiration from tragedy: How lived experience can re-direct life and shape priorities of research efforts.

Speaker: A. N. Stewart;

University of Kentucky, University of Kentucky, Lexington, KY.

Disclosures: A.N. Stewart: None.

173.03. Launching a Decade of Disruption

Speaker: L. Jakeman;

National Institutes of Health, Bethesda, MD.

Disclosures: L. Jakeman: None.

173.04. Sparking cross-communication between the community of lived experience and the basic science researchers.

Speaker: B. Munro;

Canadian Spinal Research Organization, Toronto, ON, CANADA.

Disclosures: B. Munro: None.

173.05. Perspective is everything: What happens when communities and researchers engage.

Speaker: S. Schaeffer;

The Patients' Academy for Research Advocacy, San Francisco, CA.

Disclosures: S. Schaeffer: None.

173.06. Real-world experience, bringing the relationship of lived experience to the research community.

Speaker: I. Burkhart;

Ian Burkhart Foundation, Columbus, OH.

Disclosures: I. Burkhart: F. Consulting Fees (e.g., advisory boards); Blackrock Neurotech.

Host: J. French;

North American SCI Consortium, Neurotech Network, St. Petersburg, FL.

Disclosures: J. French: None.