



The American Society for Stereotactic and Functional Neurosurgery

Virtual Scientific Update Program
Sunday, June 28, 2020 | 12:00 – 5:00 pm CST

12:00 - 1:00 pm

Opening Session

Moderator: Sameer A. Sheth

12:00 - 12:05 pm

Introduction and Welcome

Emad N. Eskandar

12:05 - 12:10 pm

Tribute to Dr. Philip L. Gildenberg

Michael Schulder

12:10 - 12:12 pm

Introduction of ASSFN President

Emad N. Eskandar

12:12 - 12:27 pm

ASSFN Presidential Address

Robert E. Gross

12:27 - 12:42 pm

Interfaces Between Neuroscience, Neurosurgery, and AI

Matt Botvinick

12:42 - 12:57 pm

BRAIN Initiative Overview

John Naig

12:57 - 1:27 pm

Neuromodulation

Moderator: Konstantin V. Slavin

12:57 - 1:12 pm

Augmented Reality for sEEG and DBS Planning

Cameron C. McIntyre

1:12 - 1:27 pm

Opportunities for Optogenetics in Movement Disorders

Ed Boyden

1:27 - 1:57 pm

Epilepsy

Moderator: Guy M. McKhann

1:27 - 1:37 pm

Insular & Peri-Sylvian Epilepsy: Semiology

Patrick Chauvel

1:37 - 1:47 pm

Insular & Peri-Sylvian Epilepsy: Implant Strategies

Jorge Gonzalez Martinez

1:47 - 1:57 pm

TLE: Balancing Resection, LITT, and Neuromodulation

Michael Sperling

1:57 - 2:27 pm

Movement Disorders

Moderator: Jennifer A. Sweet

1:57 - 2:07 pm

Network Imaging in Movement Disorders

Michael Fox

2:07 - 2:17 pm

Present and Future of Closed-loop DBS

Philip A. Starr

2:17 - 2:27 pm

Focused Ultrasound: Present and Future

Nir Lipsman

2:27 - 2:30 pm

Introduction of Honored Guest

Emad N. Eskandar

2:30 - 3:00 pm

Honored Guest Lecture

Dennis D. Spencer

3:00 - 3:40 pm

Top 10 Abstracts

Moderator: Andre Machado

3:00 - 3:04 pm

Sub-second Dopamine Increases following Risky Decision-making Regardless of Outcome in Parkinson's Disease Patients with Impulse Control Disorder

Brittany Liebenow

3:04 - 3:08 pm

Directional Deep Brain Stimulation in Subthalamic Nucleus for Parkinson's Disease: Results of a Multicenter, Prospective, Blinded, Crossover Study

Jan Vesper

3:08 - 3:12 pm

**Anterior Limb of the Internal Capsule Tractography:
Predictors of Capsulotomy Outcomes in Obsessive
Compulsive Disorder**

Chencheng Zhang

3:12 - 3:16 pm

**Role of the Mesial Temporal Lobe in Palatable Food
Anticipation and Loss of Control Eating**

Allan R. Wang

3:16 - 3:20 pm

**Using Deep Structures to Create a Diffusion
Tractographic Atlas of the Anterior Limb of the Internal
Capsule for Psychiatric DBS Planning**

Garrett P. Banks

3:20 - 3:24 pm

**Bilateral Habenula Deep Brain Stimulation for
Treatment-resistant Depression**

Chencheng Zhang

3:24 - 3:28 pm

**Dorsal Anterior Cingulum Bundle Stimulation:
Modulation of Affect, Anxiety, and Pain in 23 Patients**

Kelly R. Bijanki

3:28 - 3:32 pm

**Effects of Deep Brain Stimulation on Resting-State
Cortical Connectivity in Parkinson's Disease**

Maxwell Wang

3:32 - 3:36 pm

**Magnetic Resonance Image (MRI) guided Focused
Ultrasound (MRgFUS) Thalamotomy for Tremor. A Single
Center Experience of the First 100 Procedures.**

Asad Mehmood Lak

3:36 - 3:40 pm

**A Unified Framework for Dopamine Signals Across
Timescales**

Athar N. Malik

3:40 - 4:10 pm

Psychiatric Neurosurgery

Moderator: *Zelma HT Kiss*

3:40 - 3:50 pm

Adaptive/CL DBS IS Ready for Psychiatry

Darin D. Dougherty

3:50 - 4:00 pm

Adaptive/CL DBS is NOT Ready for Psychiatry

Ben Greenberg

4:00 - 4:10 pm

**Imaging and Electrophysiology in Psychiatric
Neurosurgery**

Patricio Riva Posse

4:10 - 4:40 pm

Pain

Moderator: *Julie G. Pilitsis*

4:10 - 4:20 pm

The Opioid Crisis

Christopher J. Winfree

4:20 - 4:30 pm

Advanced Imaging in Trigeminal Neuralgia

Mojgan Hodaie

4:30 - 4:40 pm

Neuromodulation for Facial Pain

Konstantin V. Slavin

4:40 - 5:00 pm

Future Opportunities

Moderator: *Emad N. Eskandar*

4:40 - 4:50 pm

Integrating Next-Generation Imaging in DBS

Aviva Abosch

4:50 - 5:00 pm

**New Horizons in Stereotactic & Functional
Neurosurgery**

Joseph Samir Neimat

To attend the complimentary non-CME session, [click here](#).

To register for the CME version, [click here](#). The cost to purchase the CME version is \$100.

If you don't have a CNS account, please [click here](#) to create an account.

ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Congress of Neurological Surgeons and the American Society for Stereotactic and Functional Neurosurgery. The Congress of Neurological Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

AMA CREDIT DESIGNATION STATEMENT

The CNS designates this internet live course for a maximum of 5.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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La Jolla, CA

Sponsored Non-CME sessions are being planned for before and after this Virtual Scientific Update Session! Please stay-tuned for information on these to follow!