

# #DigitalNeuro

## Artificial Intelligence, Advanced Digital Technologies, and Device Development in Neurosurgery

**DECEMBER 7 & 8, 2018**

The Mount Sinai Hospital, New York City

Invited lecturers from around the world are joining Mount Sinai Health System physicians and researchers to expand the conversation around state-of-the-art medical technology at the **Digital Neuro Symposium**.

Our mission is to unite the highly collaborative teams of physicians, computer and imaging scientists, mid-level practitioners, engineers, and entrepreneurs. Through the process of innovation and entrepreneurship, these partnerships and tools have the opportunity to improve outcomes for patients.

### Industry Partners include:

Ad Tech	Medtronic
Brainlab	Surgical Theater
Carl Zeiss Medical	Synaptive
Karl Storz	Zimmer Biomet

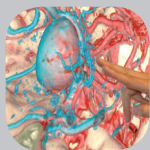
Lectures given by academic and clinical experts will join leaders in the medical technology industry to provide hands-on practical demonstrations. Exhibitions will be performed with the use of patient-specific, 3D-printed models that are integrated directly into virtual operating rooms. Discussions led by the experts will inspire attendees to identify best practices and opportunities for improvement.



### Artificial Intelligence in Neurosurgery

**December 7 | 8 am – 12 pm**

**Lola B. Chambless, MD** Vanderbilt University Medical Center  
**Eric K. Oermann, MD** Mount Sinai Health System  
**Anthony B. Costa, PhD** Mount Sinai Health System



### Team-Based Approach to Simulation & Navigation in Neurosurgery

**December 7 | 8 am – 12 pm**

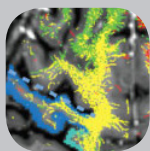
**Leslie C. Schlachter, PA-C** Mount Sinai Health System  
**Walter Jean, MD** George Washington University  
**Kambiz Nael, MD** Mount Sinai Health System  
**Holly E. Oemke** Mount Sinai Health System  
**Jeremy M. Steinberger, MD** Hospital for Special Surgery



### Practice of Digital Neurosurgery

**December 7 | 1 pm – 5 pm**

**Joshua B. Bederson, MD** Mount Sinai Health System  
**Fady T. Charbel, MD** University of Illinois  
**Robert G. Louis Jr, MD** Hoag Hospital  
**David J. Langer, MD** Lenox Hill Hospital at Northwell Health  
**Raj K. Shrivastava, MD** Mount Sinai Health System



### Neuromodulation and Robotics

**December 8 | 8 am – 12 pm**

**Helen S. Mayberg, MD** Mount Sinai Health System  
**Cameron McIntyre, PhD** Case Western Reserve  
**Marom Bikson, PhD** City College of New York  
**Fedor E. Panov, MD** Mount Sinai Health System



### Medical Device Development and Entrepreneurship

**December 8 | 1 pm – 5 pm**

**Martin Dieck, MBA** Synchron & Cerebrotech  
**Thomas J. Oxley, MD, PhD** Mount Sinai Health System & Synchron  
**Erik Lium, PhD** Mount Sinai Innovation Partners

**TO REGISTER & FOR MORE INFORMATION**

<http://bit.ly/DigitalNeuro2018>

FREE REGISTRATION for Mount Sinai medical students. Email [holly.oemke@mountsinai.org](mailto:holly.oemke@mountsinai.org).

### COURSE DIRECTORS

**Anthony B. Costa, PhD**  
Assistant Professor  
Department of Neurosurgery  
Director, Sinai BioDesign

**Joshua B. Bederson, MD**  
Professor & System Chair  
Department of Neurosurgery

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Celebrating  
1968-2018  
**50**  
Years

 Icahn School  
of Medicine at  
**Mount  
Sinai**