



NEUROMODULATION: From Frontier to Frontline



N A N S 2 0 T H A N N U A L M E E T I N G

January 19-22, 2017 | Las Vegas, NV
Caesars Palace Convention Center



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Jointly provided by the Congress of Neurological Surgeons
and the North American Neuromodulation Society

We invite you and your colleagues to attend the 2017 NANS Annual Meeting, the premier meeting in the field of neuromodulation.

The theme of the NANS 20th Annual Meeting is Neuromodulation: From Frontier to Frontline. Over the past two decades, advances in neuromodulation have continued to accelerate. The clinical frontiers of neuromodulation have expanded to include cancer and noncancer pain, movement disorders, psychiatric diseases, sleep disorders, cardiac/autonomic regulation, and more. The science of neuromodulation now includes sophisticated materials, advanced communication technologies, restorative cognitive neuroscience, and brain-machine interface neuroprosthetics. The meeting's theme celebrates these advances, whether in academia or industry, and highlights where neuromodulation is practiced, from the community clinic to the military frontline. Please join us in celebrating our 20th Annual Meeting!

Who Should Attend?

The NANS Annual Meeting is the premier conference for the science and practice of neuromodulation. Neurosurgeons, anesthesiologists, orthopedic surgeons, cardiologists, neurologists, physical medicine and rehabilitation practitioners, neuroscientists, engineers, advanced practice providers, and other healthcare professionals actively involved in neuromodulation will benefit from this meeting.

Please visit
www.neuromodulation.org
for more information.

Why You Should Attend

Make an impact on the care of your patients.

Learn about the latest scientific research within neuromodulation that can help improve the care of your patients.

Network with colleagues.

Interact with more than 2,000 professionals, ask meaningful questions, have thought-provoking conversations, and make new connections.

Enjoy Las Vegas.

Las Vegas is a lively city that offers some of the best restaurants, shows, and attractions in the world.

Learning Objectives

Upon completion of this program, participants should be able to

- recognize new therapeutic modalities and clinical research in neuromodulation
- discuss the principles and management of cancer and noncancer chronic pain
- describe technological advances in clinical neuromodulation and brain-machine interfaces
- discuss potential applications for neuromodulation in frontline battlefield settings
- describe existing and potential roles of neuromodulation in the regulation of the heart and the autonomic nervous system
- discuss economic, insurance, legal, and regulatory issues pertaining to neuromodulation treatments in North America.

Accreditation and Designation Statements

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 (CNS) and the North American Neuromodulation Society. CNS is accredited by ACCME to provide continuing medical education for physicians.

Physicians: CNS designates this live activity for a maximum of 24.25 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

A maximum of 17.75 *AMA PRA Category 1 Credit(s)*[™] may be earned for general sessions only.

Physicians of Osteopathic Medicine—the American Osteopathic Association (AOA) accepts *AMA PRA Category 1 Credits*[™] as AOA Category 2-B credit.



Go to www.neuromodulation.org/2017annualmeeting to register today!

Keynote Speaker



Rosalind W. Picard, ScD FIEEE

We are pleased to welcome Professor Rosalind W. Picard, ScD FIEEE, founder and director of the Affective Computing Research Group at the Massachusetts Institute of Technology (MIT) Media Lab, as our keynote speaker. She is codirector of the Media Lab's Advancing Wellbeing Initiative and faculty chair of MIT's Mind+Hand+Heart Initiative. She has cofounded Empatica, Inc., which creates wearable sensors and analytics to improve health, and Affectiva, Inc., which delivers technology to help measure and communicate emotion.

Picard is an active inventor with multiple patents, including wearable and non-contact sensors, algorithms, and systems for sensing, recognizing, and responding respectfully to human affective information. Her inventions have applications in autism, epilepsy, depression, post-traumatic stress disorder, sleep, stress, dementia, autonomic nervous system disorders, human and machine learning, health behavior change, market research, customer service, and human-computer interaction.



Steven Falowski, MD
Annual Meeting Co-Chair



Jason Pope, MD DABPM FIPP
Annual Meeting Co-Chair



Parag Patil, MD PhD
Scientific Meeting Co-Chair



Lawrence Poree, MD PhD
Scientific Meeting Co-Chair

All-Day Premeeting Workshops: Thursday, January 19, 2017

Please note these workshops require an additional fee.

Hands-On Cadaver Course for Engineers

(NON-CME)

Certificate of Attendance Advanced Implantable Therapies Workshop* **CME**

I Just Inherited 100 Pump Patients: What Do I Do Now? **CME**

Neuromodulation Cadaver Course for Advanced Implantable Therapies: A Hands-On Cadaver Course for Residents and Fellows* (NON-CME)

NANS I³: Invention, Investment, and Invigoration Summit (NON-CME)

Neurology Neuromodulation Workshop* (NON-CME)

Advanced Practice Provider Course (PAs, NPs, Nurses): A to Z in Neuromodulation **CME**

New This Year! Neuromodulation Coding Workshop (NON-CME)

**Participants are selected by an application and lottery process.*



Full meeting details, including session descriptions and faculty, are available at www.neuromodulation.org.

“The hands-on cadaver session was, so far, the best educational experience of my pain training, including my fellowship.”

—2015 cadaver course for residents and fellows attendee

Educational Highlights

Breakout Sessions

Concurrent sessions will include the following topics:

- neuromodulation treatment of post-traumatic stress disorder and traumatic brain injury
- neuromodulation treatment of peripheral nerve and spinal cord injuries
- visceral and autonomic nervous system neuromodulation
- neuromodulation of the immune system
- cost benefits of neuromodulation
- scientific and clinical advances in intrathecal therapy
- neuromodulation as an alternative to systematic opioids
- advances in neural interfaces and neural engineering
- resident and fellows session—core content selected by our RFS committee.

Visit
www.neuromodulation.org to
see the full meeting agenda!

Scientific Abstracts

Scientific abstracts will be selected for presentation in different formats throughout the duration of the meeting. Selected abstracts will cover a variety of topics, including use of neuromodulation to treat military and veteran patients, engineering, neuromodulation economics, spinal cord stimulation, cranial and peripheral nerve stimulation, and more.

Special Events

- Opening Reception
- Residents and Fellows Job Fair
- Residents and Fellows Reception
- Women in Neuromodulation (WIN) Reception

**“I’ve been attending the NANS
Annual Meeting for the last 4
years, and each year it gets
better and better.”**

—2015 annual meeting attendee

Accommodations

NANS has secured a block of rooms at Caesars Palace. Be sure to reference the code NANS 2017 when making your hotel reservations to receive our special group rate. Reservations made after the deadline will be accepted on a space-available basis and may not qualify for discounted rates.

Caesars Palace

3570 S. Las Vegas Boulevard

Las Vegas, NV 89109

January 18–19: \$199 single/double*

January 20–21: \$239 single/double*

Daily resort fee: \$25

**Applicable taxes will apply.*

Reservation deadline: December 18, 2016

Reservations: 866.227.5944

Online reservations: <https://resweb.passkey.com/go/SCNAN7>

“NANS is the marquee meeting of any kind—with a focus on evidence, and it provides a foundation for networking among engineers, scientists, clinicians, and industry.”

—2015 annual meeting attendee



NANS 20TH ANNUAL MEETING



January 19–22, 2017
Caesars Palace | Las Vegas, NV

Registration is open.

Visit www.neuromodulation.org to register
today! Register by December 15, 2016,
to receive early bird rates.



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