Invention, Investment, and Invigoration Summit

THURSDAY, DECEMBER 10, 2015

FOUR SEASONS HOTEL
LAS VEGAS, NV
PLEASE JOIN US AT NANS I³

The Annual NANS Invention, Investment, and Invigoration (I³) Summit is designed to provide an interactive and dynamic platform for review and discussion of emerging topics, technologies, clinical applications, and socioeconomic issues. The summit includes clinicians, scientists, engineers, industry and investors, among others.

Each year, the summit focuses on a specific topic relevant to current and emerging issues in the field of neuromodulation that will stimulate ideas on how to strengthen and grow the field. The sessions will review the cutting-edge science, innovation, emerging technologies and investment opportunities, and challenges. This year the summit will focus on the rapidly growing and exciting area of autonomic nervous system neuromodulation, including cardiovascular, pulmonary, gastrointestinal, and genitourinary applications.

Sincerely,

Ali R. Rezai, MD
Meeting Director

Ashwini Sharan, MD
Meeting Director

William Abraham, MD
Meeting Director
8–8:10 am  
**Welcome and Introduction**  
Ali Rezai, MD; Ashwini Sharan, MD; William Abraham, MD

8:10–10 am  
**Session 1: Autonomic Nervous System**  
Neuromodulation for Heart Failure and Arrhythmias  
Moderators: William Abraham, MD; Ali Rezai, MD

8:10–8:30 am  
**Neuromodulation for Cardiovascular Disorders**  
Andrew Armor, MD PhD

8:30–8:50 am  
**Vagus Nerve Stimulation for Heart Failure**  
Inder Anand, MD

8:50–9:05 am  
**Spinal Cord Stimulation for Heart Failure**  
John Lopshire, MD PhD

9:05–9:20 am  
**Baroreflex Activation Therapy for Heart Failure**  
William Abraham, MD

9:20–9:35 am  
**Transvascular Stimulation for Heart Failure**  
Vivek Reddy, MD

9:35–10 am  
**Panel Discussion**  
All Faculty and Moderators

10–10:30 am  
**Break**

10:30 am–Noon  
**Session 2: Autonomic Nervous System**  
Neuromodulation for Sleep Apnea and Hypertension  
Moderators: William Abraham, MD; Patrick Strollo, MD

10:30–10:50 am  
**Glossopharyngeal Stimulation for Obstructive Sleep Apnea**  
Patrick Strollo, MD

10:50–11:05 am  
**Transvenous Phrenic Nerve Stimulation for Central Sleep Apnea**  
Maria Rosa Costanzo, MD

11:05–11:20 am  
**Neuromodulation for Hypertension**  
Paul Sobotka, MD

11:20–11:35 am  
**Baroreflex Neurostimulation for Hypertension**  
John Bisongano, MD

11:35–11:50 am  
**Neurostimulation for Asthma and Pulmonary Conditions**  
Peter Staats, MD

11:50 am–12:10 pm  
**Panel Discussion**  
All Faculty and Moderators

12:10 pm–1:30 pm  
**Lunch**  
Heart-Brain Institute and Models for Collaboration  
FDA Panel Discussion
1:30–2:50 pm
**Session 3: Genitourinary Disorders**
Moderator: Magdy Hassouna, MD

### 1:30–1:50 pm
**Sacral Nerve Stimulation for Urinary Incontinence and Pain**
Magdy Hassouna, MD

### 1:50–2:05 pm
**Tibial Nerve Stimulation**
TBD

### 2:05–2:15 pm
**Transvaginal Stimulation of Autonomic Nerves for GU Conditions**
Alexandra Haessler, MD

### 2:15–2:30 pm
**Panel Discussion**
All Faculty and Moderators

### 2:30–5 pm
**Session 4: Gastrointestinal and Immune Disorders**
Moderator: Robert Foreman, PhD; Bengt Linderoth, MD PhD

### 2:30–2:50 pm
**Gastric Stimulation for Obesity, Dysmotility, and GI Ulcerative Disease**
Jiande Chen, MD PhD

### 2:50–3 pm
**Spinal Cord Stimulation for Irritable Bowel Syndrome**
Bengt Linderoth, MD PhD

### 3–3:20 pm
**Neurostimulation for Immune Disorders**
TBD

### 3:20–3:30 pm
**Panel Discussion**
All Faculty and Moderators

### 3:30–4 pm
**Break**

### 4–5 pm
**Executive Innovation Roundtable**
**Moderators:** Kevin Wasserstein; Ashwini Sharan, MD; Ali Rezai, MD

**Executives:** Eric Fain, MD; Rohan Hoare, PhD; Maulik Nanavati, PhD; Tom Tefft; Michael Demaine; Laura Perryman, MD MBA; Frank Fischer, BSME MS

**Executives, Scientists, Manufacturers, Inventors, Industry:**
Faculty and attendees enjoy refreshments and engage in an informal unscripted roundtable exchange to discuss hot topics with one another.

Tweet topic suggestions to: @NANSupdates

### 5 pm
**Conclude**
REGISTER TODAY

Be sure to register to reserve your place at NANS I³: Invention, Investment, and Invigoration on December 10, 2015, 8 am–5 pm. To register, visit www.neuromodulation.org/nansi3.

Fees
Registration by November 17, 2015 $295 members, $495 nonmembers
Registration after November 17, 2015 $345 members, $545 nonmembers

Hotel
NANS has secured a block of rooms at the Mandalay Bay Resort and Casino and Four Seasons Las Vegas. Rooms are available at the Mandalay Bay for a conference rate starting at $90 single/double, plus applicable taxes. Rooms are also available at the Four Seasons starting at $219 single/double, plus applicable taxes.

Mandalay Bay Resort and Casino
3950 S. Las Vegas Boulevard
Las Vegas, NV 89119

Four Seasons Las Vegas
3960 S. Las Vegas Boulevard
Las Vegas, NV 89119

Reservations: To make your reservation, please call 877.632.9001 or visit https://resweb.passkey.com/go/snans15. Be sure to mention the NANS Annual Meeting when making your reservation. Reservations at the NANS meeting rate will be taken on a space-available basis.

NANS would like to acknowledge the collaboration of the following:
Register now for

NANS I^3: Invention, Investment, and Invigoration.

If you have a stake in the future of neuromodulation, you won’t want to miss this unique educational event.

www.neuromodulation.org/nansi3