

NANS2-NIC: A Joint Meeting
June 25-29, 2016 – Baltimore, MD
Program Addendum

Agenda

Monday, June 27

Noon – 1:30 pm
Harborview Ballroom
**Clinical Data and The Science
Behind High Frequency Spinal Cord
Stimulation**
Lunch Sponsored by NEVRO

Tuesday, June 28

7-8 am
Continental Breakfast

8-9:30 am
Chesapeake Ballroom
**Closed Loop DBS for
Depression: Advantages,
Disadvantages, and Design
Considerations (PL08)**

8-8:05 am
Introduction
Eran Klein, MD PhD

8:05-8:30 am
Interactive Strategies to Refine and
Optimize DBS for Depression: Is a
Closed Loop System the Critical Next
Step?
Helen Mayberg, MD

8:30-8:55 am
Closed-Loop DBS: Lesson from
Brain-Computer Interfacing
Alik Widge, MD PhD

8:55-9:20 am
Identifying Network Level Targets for
Closed Loop DBS in Depression
Heather Dawes, PhD

1-2 pm
Chesapeake Ballroom
B1: Regulatory Assessments for Neural Interfaces (B01)

1-1:45 pm
Lost in Translation? A Discussion of
Present and Future Nonclinical and
clinical Assessments for Devices
Incorporating Neural
Moderator: *Eugene Civillico, PhD*

1-2 pm
Loch Raven
B2: SBIR/STTR Funding in Neural Engineering (B02)

1-1:45 pm
Competing Effectively for SBIR/STTR
Funding in Neural Engineering
Moderator: *Patrick Rousche, PhD*

9:20-9:30 am
Q&A
Eran Kelin, MD PhD

9:30-9:45 am
**Break with Exhibitors and
Posters**

9:45-11:30 am
Chesapeake Ballroom
**Autonomic/Peripheral
Neuromodulation Devices:
Existing and Emerging Therapies
(PL09)**

9:45-9:50 am
Introduction
Moderators:
*Kip Ludwig, PhD
Douglas Weber, PhD*

9:50-10:05 am
Recent Clinical Landscape for
Deployment
Eugene Civillico, PhD

1-1:05 pm
Introduction
Eugene Civillico, PhD

Speakers
1:05-1:25 pm *Eric Lovett, PhD*
1:25-1:45 pm *Quan Ni, PhD*

1-1:05 pm
Introduction
Patrick Rousche, PhD

Speakers
1:05-1:20 pm *Stephanie Fertig, MBA*

10:05-10:20 am
Hypoglossal Nerve Stimulation: A
New Implanted Neuromodulation
Treatment for Obstructive Sleep
Apnea
Quan Ni, PhD

10:20-10:35 am
GSK-Autonomic Nerve Interface
Roadmap
Daniel Chew, PhD

10:35-10:50 am
Dorsal Root Ganglion Stimulation:
The Past, the Present, and the Future
James Fitzgerald, PhD

10:50-11:30 am
Q&A
*Douglas Weber, PhD
Kip Ludwig, PhD*

11:30 am – 1:00 pm
Harborview Ballroom
**DRG Therapy: Power to Give
More Patients More Relief
Clinical Review and Early
Experiences**
Lunch Sponsored by St. Jude Medical

1:45-2 pm
Q&A
Eugene Civillico, PhD

1:20-1:35 pm *Mark Lehmkuhle, PhD*
1:35-1:50 pm *Timothy Wagner, PhD*

1:50-2 pm
Q&A
Patrick Rousche, PhD

2-3:30 pm
Chesapeake Ballroom
Development of an Optimal Somatosensory Neural Interface (PL10)
Moderator: Lee Miller, PhD

2-2:05 pm
Introduction
Moderator: Lee Miller, PhD

2:05-2:23 pm
Peripheral Nerve Stimulation to Restore Sensation to Human Amputees
Dustin Tyler, PhD

2:23-2:41 pm
Cortical Stimulation to Restore Touch in Paralyzed Human Patients
Robert Gaunt, PhD

2:41-2:59 pm
A Biomimetic Cortical Interface to Restore Proprioception
Lee Miller, PhD

2:59-3:17 pm
All-Optical Manipulation and Interrogation of Mouse Visual Sensory Circuits
James Marshel, PhD

3:17-3:30 pm
Q&A
Lee Miller, PhD

3:30-3:45 pm
Break with Exhibitors and Posters

3:45-5:15 pm
Chesapeake Ballroom
Ultra-high Density Neural Interfaces (PL11)
Moderator: Florian Solzbacher, PhD

3:45-3:50 pm
Introduction
Florian Solzbacher, PhD

3:50-4:15 pm
Big Is Just the Beginning: The Challenges of Heterogeneous Neural Data
Zachary Ives, PhD

4:15-4:40 pm
Visual Exploration for Situational Awareness
Yarden Livnat, PhD

4:40-5:05 pm
Scaling Neural Interface Hardware to 1,000 Channels and Beyond
Shawn Kelly, PhD

5:05-5:15 pm
Q&A
Florian Solzbacher, PhD

5:30-8 pm
Harborview Gallery, Severn Room, Potomac Room
Poster Session 2 (Non-CME)

Wednesday, June 29

12:30-1:30 pm
Chesapeake Ballroom
B3: Maximizing the Value of Neural Interface Data (B03)
Moderator: Richard North, MD

12:30-1:30 pm
Loch Raven
B4: Funding Neuroprostheses Technology and Translation (B04)
Moderator: Kevin Otto, PhD

Disclosures

The Congress of Neurological Surgeons controls the content and production of this CME activity and attempts to assure the presentation of balanced, objective information. In accordance with the Standards for Commercial Support established by the Accreditation Council for Continuing Medical Education, speakers are asked to disclose any relationship they have with commercial companies that may be related to the content of their lecture.

Speakers who have disclosed a relationship with commercial companies whose products may have a relevance to their presentation are listed below. Faculty who are also considered Planners are designated by P.

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| 2. Consultant | 6. N/A | 10. Other |
| 3. Director | 7. Officer | 11. Honoraria |
| 4. Editorial Board | 8. Owner | |

Eric G. Lovett, PhD
Salary – Sunshine Heart, Inc. (10)
Ownership Interest – Sunshine Heart, Inc. (10)

Nothing to Disclose

The following individuals have disclosed that they do not have a relationship with commercial companies whose products may have a relevance to their participation in the meeting. Faculty who are also considered Planners are designated by P.

Girish Kumar, PhD
Fred Lenz, MD PhD
James H. Marshel, PhD