



NIDUS

Network for Investigation of
Delirium : Unifying Scientists

July 2023 NIDUS Newsletter

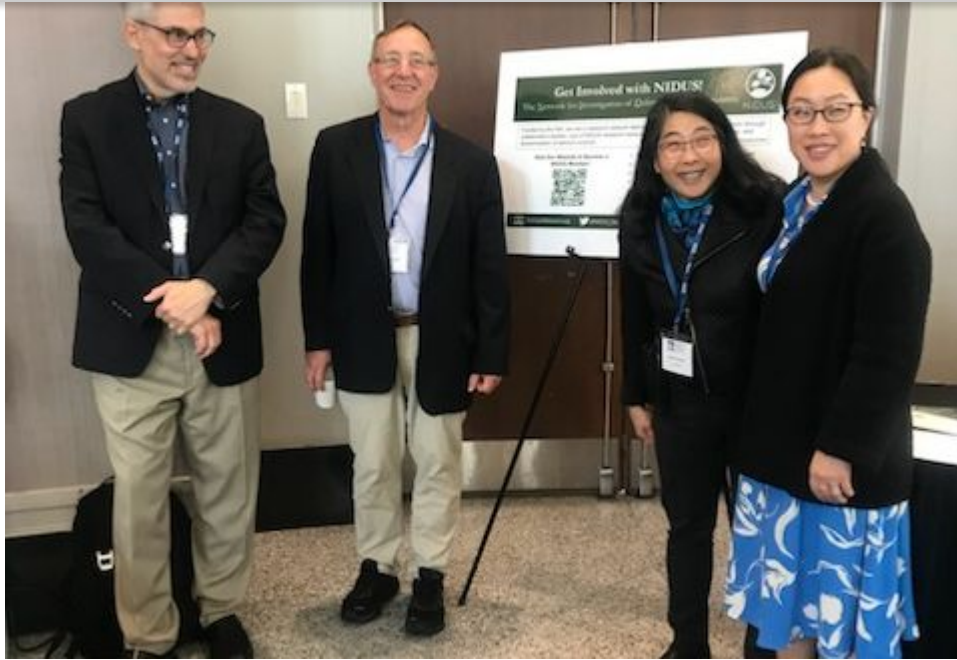
Network for Investigation of Delirium: Unifying Scientists

- **ADS 2023 Highlights**
- **NIDUS Delirium Boot Camp Applications**
- **Johns Hopkins ICU Rehab VIRTUAL Conference**
- **The NIDUS Blog**

Highlights from the 2023 American Delirium Society (ADS) Annual Meeting

Last month members of the NIDUS II team gathered in Providence, RI from June 11 to June 13 for the American Delirium Society's Annual Meeting. Those in attendance included:

- Dr. Sharon K. Inouye, MD, MPH, Harvard Medical School (NIDUS II Multi-Principal Investigator)
- Dr. Richard N. Jones, ScD, Brown University (NIDUS II Multi-Principal Investigator)
- Dr. Jan Busby-Whitehead, MD, UNC School of Medicine
- Dr. John Devlin, PharmD, Northeastern University
- Dr. Edward Marcantonio, MD, SM, Harvard Medical School
- Dr. Eva Schmitt, PhD, Harvard Medical School
- Dr. Fritz Sieber, MD, Johns Hopkins School of Medicine



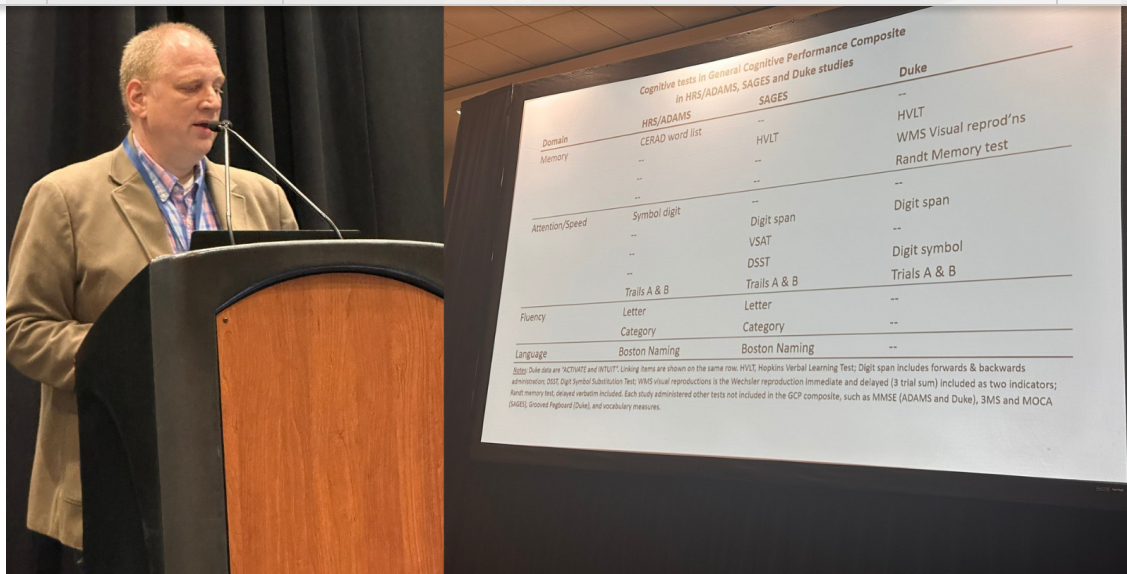
(L to R) NIDUS PIs Dr. Edward Marcantonio, Dr. Fritz Sieber, Dr. Sharon Inouye with 2023 ADS President Dr. Esther Oh.

Below are a few highlights from at this year's ADS meeting.

NIDUS Symposium: Harmonizing Measures to Advance Delirium Research

On Day 1, Dr. Rich Jones moderated a NIDUS symposium on [measurement harmonization](#). Joining him in this discussion were Ben Helfand, MD, PhD, Fah Vasunilashorn, PhD, and Miles Berger, MD, PhD.

The presenters discussed the value of harmonizing data across multiple delirium studies. They also reviewed how Item Responsive Theory can help harmonize results across multiple studies. And they explained the use of General Cognitive Performance Composite for harmonizing cognitive outcome data from multiple postoperative studies.



Dr. Rich Jones presenting in the NIDUS Harmonization session.

NIDUS Oral Abstract Presentations

During the conference, several investigators presented oral abstracts on their research in two separate NIDUS sessions. Each of these presenters is either a NIDUS Boot Camp graduate or has received NIDUS PILOT funding.



Karla Krewulak, PhD, presenting her oral abstract.

presentations. The following delirium investigators presented their research:

- **Karla Krewulak, PhD** - University of Calgary, Department of Critical Care Medicine; *Validation of Group-Based Trajectories of Delirium Severity and Evaluation of Outcomes in Critically Ill Adults: A Population-based Cohort Study*
- **Sangil Lee MD** - University of Iowa, Department of Emergency Medicine; *EMR Delirium Risk Estimator for ED Patients*
- **Leah Acker, MD, PhD** - Duke University, Neuroanesthesiology, Otolaryngology and Offsite Anesthesiology Division; *Preoperative electroencephalography (EEG) alpha power changes during simple eyes-closed/eyes-open tasks are associated with postoperative inattention and delirium severity*
- **Eleonora Rollo, MD** - Università Cattolica del Sacro Cuore, Department of Neurosciences; *Focal Slowing of Resting State EEG Predicts Delirium Occurrence in Acute Stroke: A Prospective, Observational, Cohort Study*



Ting Ting Wu, PharmD, BCPS, presenting her oral abstract.

Oral Abstracts: Round 2

Drs. Rich Jones and Tom Trivison moderated the second NIDUS oral abstract session featuring the following investigators:

older adults with preexisting cognitive impairment

- **Ting Ting Wu, PharmD, BCPS** - UCLA, Associate Professor, Department of Molecular and Medical Pharmacology; *Impact of Addressing Pain Missingness on the Relationship Between Pain and Delirium in Critically Ill Patients*
- **Tanya Mailhot, PhD, RN** - Université de Montréal, Sciences Infirmières; *Barriers and Facilitators to Unlicensed Assistive Personnel's Involvement in Delirium Care on Acute Care Units: A Multi-Method and Multi-Site Study*

NIDUS Pilot & Collaborative Working Group Presentations

Drs. Fritz Sieber and John Devlin moderated a session on [NIDUS Pilot Award collaborations](#). The following researchers gave presentations about their collaborative projects.

- **Moushin Shafi, MD, PhD** - Harvard University, Department of Neurology; *Preoperative EEG features are associated with postoperative delirium severity*
- **Robert Stevens, MD** - Johns Hopkins University School of Medicine; *Modeling delirium risk: Decoding electronic health data with artificial intelligence*
- **Ben Palanca, MD, PhD, MSc** - Washington University School of Medicine, Department of Anesthesiology; *Efforts of Harmonizing electroencephalographic recordings for delirium multisite clinical trials*
- **Flavia Garcez, MD** - Universidade de Sao Paulo, Brazil, Faculdade de Medicina; *Gut Microbiota and Delirium Occurrence: Insights from a cohort of Acutely Ill Older Adults*

2023 NIDUS Delirium Boot Camp Applications

Boot Camp applications are due **Monday, July 10, 2023 at 5pm EDT**. This year's theme is **"Advancing Translational and Implementation Research in Delirium."** Visit the [2023 NIDUS Delirium Boot Camp page](#) to download and

Apply for the 2023 NIDUS Boot Camp



October 29-31, 2023

The University of North Carolina at Chapel Hill

**Application deadline:
July 10, 2023 at 5pm EST.**

Johns Hopkins ICU Rehab VIRTUAL Conference

Registration is now open for the 12th Hopkins ICU Rehab VIRTUAL Conference. Learn more about the event and register [here](#).

12TH ANNUAL JOHNS HOPKINS CRITICAL CARE REHABILITATION CONFERENCE

VIRTUAL EVENT

Live November 8-11, 2023

On-Demand October 19, 2023 until December 18, 2023

More info: www.ICURehabNetwork.org

Follow us at @ICURehab



Patient, receiving mechanical ventilation and ECMO, grooming while standing with OT

Visit the NIDUS Blog

Each month, we feature a new post on [the NIDUS Blog](#). These posts cover a range of delirium research-related topics. The main focus is on the core NIDUS II aims. Most of the authors are NIDUS Boot Camp alumni and Pilot Grant



NIDUS
Blog

The Trajectory of Cognitive Aging after Experiencing Postoperative Delirium

Zachary Kunicki, PhD

Assistant Professor of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University, Providence, RI, USA

(with Richard Jones, PhD & Sharon Inouye, MD, MPH)

<https://deliriumnetwork.org/blog/>

Other NIDUS Communications

In addition to the NIDUS Blog, we offer regular updates on delirium-related news, events, and research through social media, our email listserv, and newsletters.

- [Announcements](#) - Visit this page for News and Announcements
- [Email Listserv](#) - Subscribe to our email list for regular updates delivered straight to your inbox
- [Newsletters](#) - Find previous editions of NIDUS newsletters on our website
- [Social Media](#) – For all the latest updates, follow NIDUS on Twitter ([@nidus_delirium](#))

If you're interested in contributing to NIDUS communications with a blog post, newsletter item, or social media post, please [contact us](#).



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NIDUS is always looking to reach new audiences –
please forward this newsletter to a colleague or mentee!

Please visit our [website](#) for more information or follow NIDUS on
Twitter: [@NIDUS_delirium](#).

About NIDUS

NIDUS is a collaborative research network dedicated to spurring innovation and new advances in delirium research through development of new research and measurement resources, training opportunities, pilot funding and dissemination of information. It is funded through an award from the National Institutes of Health/National Institute on Aging (grant no. R33AG071744).

Find Out More



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Past Issues

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