July 2022 NIDUS Newsletter
Network for Investigation of Delirium: Unifying Scientists

In this issue:

- NIDUS Delirium Boot Camp: APPLICATIONS DUE JULY 22!
- 2022 ADS Annual Meeting Highlights
- New NIDUS Blog Posts

Apply to attend the 2022 NIDUS Delirium Boot Camp

Our 10th Annual NIDUS Delirium Boot Camp "Building Blocks to Clinical Trials" will take place Sunday, November 13 to Tuesday, November 15, 2022 at the University of North Carolina-Chapel Hill.

Applications for the 2022 Boot Camp are due July 22, 2022 at 5pm EST.

Visit the NIDUS Delirium Boot Camp page to download and complete the 2022 NIDUS Boot Camp Application today. Or scan the QR code below for additional information.
Highlights from the 2022 American Delirium Society (ADS) Annual Meeting

From June 12 to June 14, 2022, members of the NIDUS II team gathered in Indianapolis, IN for the annual American Delirium Society’s Annual Meeting. Those in attendance at this year’s ADS meeting included:

- Dr. Sharon K. Inouye, MD, MPH, Harvard Medical School, MA (NIDUS II Multi-Principal Investigator)
- Dr. Richard N. Jones, ScD, Brown University, RI (NIDUS II Multi-Principal Investigator)
- Dr. Jan Busby-Whitehead, MD, UNC School of Medicine, NC
- Dr. John Devlin, PharmD, Northeastern University, MA
- Dr. Edward Marcantonio, MD, SM, Harvard Medical School, MA
- Dr. Eva Schmitt, PhD, Harvard Medical School, MA
NIDUS II Scientific Advisory Board Meeting

On June 12, the NIDUS II Scientific Advisory Board (SAB) met and received an annual update for each NIDUS II core from each leader as well as an annual update from the NIDUS Boot Camp. Members of the SAB, the NIDUS II Investigators, and Drs. Luci Roberts, Molly Wagster, and Susan Zieman from the NIA attended this meeting.

Dr. Sharon Inouye and Dr. Richard Jones began with an overview of NIDUS II. This included NIDUS II's structure, cores, timeline, and benchmarks. Each core leader then gave a progress update for Year 1:

- **Harmonization Core** - Dr. Jones highlighted the new crosswalk/harmonization tool for delirium identification measures on the NIDUS website. He also detailed a harmonization project currently underway with Dr. Miles Berger at Duke University.
- **Research Resource Core** - Drs. Edward Marcantonio and Thomas Travison presented the Research Hub, a searchable online delirium research tool. They also talked the Animal Research Hub, which launched in June 2021.
- **Pilots & Exploratory Studies Core** - Drs. Michael Avidan and Sharon Inouye gave updates on the Pilots Core, which received 20 Letters of
be announced in Summer 2022.

- **Career Development & Outreach Core** - Drs. Jan Busby-Whitehead and John Devlin described NIDUS II's Dissemination network which consists of email, social media, and the NIDUS website. They also highlighted the Core's quarterly newsletters, monthly blog posts, and the delirium webinar series.

- **NIDUS Delirium Boot Camp** - Drs. Devlin and Busby-Whitehead also reviewed last year's Boot Camp and spoke about the upcoming November 2022 Boot Camp.

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**Statistical Consultation Roundtable for Junior Investigators**

Dr. Richard Jones co-moderated a session entitled ‘Statistical Consultation Roundtable for Junior Investigators’. Joined by Dr. Elizabeth Colantuoni, PhD (Bloomberg School of Public Health, Johns Hopkins University, MD) and Dr. Michael Harhay (PhD, MPH, Perelman School of Medicine, University of Pennsylvania, PA), the trio invited participants to pose statistical questions in an informal setting.
Moderated by Dr. Luci Roberts (PhD, National Institute on Aging, MD), this session covered the basics of NIDUS II. Dr. Sharon Inouye, one of NIDUS II’s two multi-PIs, began with an overview entitled ‘What NIDUS II Can Do for You.’

Dr. Richard Jones, NIDUS II’s other multi-PI, continued by presenting the NIDUS II Measurement Core: Harmonization of Delirium Measures with recent harmonization updates between the SAGES and Duke INTUIT/MADCO PC Studies. Lastly, Dr. Niccolo Terrando (DREAM Group, Duke University) explained the NIDUS II Animal Models Working Group.

Dr. Sharon Inouye, presenting an overview of NIDUS II

### NIDUS Oral Abstract Presentations

During the two-day conference, several investigators who were graduates of the NIDUS Boot Camp or who had received NIDUS PILOT funding presented their research in NIDUS oral abstract sessions.
Session co-moderator Dr. John Devlin kicking off the first round of NIDUS oral abstracts

**Oral Abstracts: Round 1**
The first round of oral abstract presentations was moderated by Drs. John Devlin and Edward Marcantonio:

- **Dr. Michael Devinney**, MD, PhD, Duke University, NC - *Pre- and Postoperative CSF Proteomic Signatures of Postoperative Delirium*
- **Dr. Thiago J. Avelino-Silva**, MD, PhD, Division of Geriatrics, University of Sao Paulo Medical School - *Association of Gut Microbiome and Delirium in Acutely Ill Older Adults*
- **Dr. Ting Ting Wu**, PharmD, Northeastern University, MA - *Pre-ICU Anxiety and Depression and Risk of Delirium in Critically Ill Adults*
- **Dr. Jessica Ruck**, MD, Johns Hopkins School of Medicine, MD - *Characterization of ICU Delirium Among Liver Transplant Recipients*
Session co-moderator Dr. Edward Marcantonio (L) and NIDUS oral abstract presenter Dr. Ting Ting Wu (PharmD, Northeastern University, MA)

Oral Abstracts: Round 2
Drs. Jan Busby-Whitehead and Richard Jones moderated the second NIDUS oral abstract session:

- **Dr. Annmarie Hosie**, PhD, RN, University of Notre Dame Australia and St. Vincent’s Health Network, Sydney, Australia - *A Feasibility Study of a Non-pharmacological Delirium Prevention Intervention for Hospitalized Māori and non-Māori with Advanced Cancer*

- **Dr. Shih Yin Lin**, MM, MPh, PhD, NYU Rory Meyers College of Nursing, NY - *Expression of Behavioral and Psychological Symptoms of Dementia With and Without Concomitant Delirium*

- **Dr. Thiago Avelino-Silva**, MD, PhD, University of Sao Paulo, Brazil - *Fog Ahead: Delirium and Post-discharge Cognitive Impairment in Severe COVID-19*

- **Dr. Natalia Jaworska**, MD, MSc, University of Calgary, Canada - *A Scoping Review of Perceptions from Healthcare Professionals on Antipsychotic Prescribing Practices in Acute Care Settings*
Dr. Annmarie Hosie presenting her oral abstract; Seated at right is session co-moderator Dr. Jan Busby-Whitehead

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**NIDUS Pilot Award Research Presentations**

Drs. John Devlin and Pratik Pandharipande moderated the NIDUS Pilot Award Research Presentations:

- **Dr. Joseph Hippensteel**, MD, University of Colorado School of Medicine, CO - *Potentiation of α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid Receptors (AMPA) by Highly-sulfated Chondroitin Sulfate: a Novel Contributor to Sepsis-associated Delirium*

- **Dr. Kimberly Oosterhouse**, PhD, RN, Loyola University, Chicago, IL - *Computable Phenotyping of Delirium: Analyzing the Unstructured Data*
Dr. Pratik Pandharipande, co-moderator of the NIDUS Pilot Award Research Presentations

Visit the NIDUS Blog

The NIDUS Blog features posts on a variety of topics related to delirium research with a focus on the core NIDUS II aims. Most blogs are authored by NIDUS Boot Camp alumni and Pilot Grant Awardees.

The latest blog post by Leah Acker, MD, PhD is entitled "Do more complex brain electrical signals protect against post-operative delirium?"

NIDUS posts new Blogs at least monthly. We encourage you to regularly check for new NIDUS Blog posts.
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.

Follow NIDUS on Twitter: @NIDUS_delirium.

Join NIDUS!

Thanks to all who have signed up to become a NIDUS member or to receive our announcements and newsletters.

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

Please visit our website for more information on NIDUS.

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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