NIDUS

Network for Investigation of Delirium: Unifying Scientists

NIDUS April 2025 Mentoring Session

Phenotyping Delirium: Current Evidence and Future Directions

Wednesday
April 23, 2025
11 am-12 noon EST

Debate persists regarding the relative merits of approaching delirium based solely on its core features as a manifestation of one common final pathway. Detailed characterization of the multifactorial pathophysiologic mechanisms underlying delirium is needed to guide the development of effective prevention and treatment strategies. During this seminar two investigators will highlight their research focused on delirium phenotypes and propose future areas for investigation in this emerging field.

Meeting ID: 917 5900 4562 | Phone: +1 301 715 8592

Registration Link: https://zoom.us/meeting/register/lGCN5af1TW6LH0d2bY1cNA

All NIDUS webinars are FREE!

The Delirium Subtyping Initiative

Emily Bowman, BSc (Hons), PhD

Emily Bowman, BSc (Hons), PhD, is postdoctoral researcher at the NIHR Oxford Health Biomedical Research Center at The Department of Psychiatry, University of Oxford, UK. Her research focuses on harnessing data science to discover, develop, and validate biomarkers that provide information about the underlying pathophysiology of psychiatric disorders. Emily completed her PhD on the topic of subphenotyping delirium, at Queen's University Belfast, during which she led the formation of the Delirium Subtyping Initiative. Emily is interested in approaches to bridging the gap between clinical symptoms and their biological mechanisms, as well as improving understanding of treatment response and outcomes.

Phenotyping Delirium in Critically Ill Adults

Kelly Toth (Potter), PhD, RN

Kelly Toth (Potter), PhD, RN, is a nurse scientist and assistant professor in the Department of Critical Care Medicine at the University of Pittsburgh. In her early nursing career in the ICU, she often found herself asking: "What can I do to help these vulnerable patients thrive after surviving critical illness?" This real-world perspective shaped her career development, now focused on developing novel approaches to target the right patients to receive the right treatment at the right time. To that end, her growing research program is focused on using data-driven methods to understand how patient heterogeneity influences functional and neurocognitive recovery after critical illness. Long term, Dr. Toths's goal is to build a low burden infrastructure embedded in clinical informatics to treat patients with delirium, ultimately improving care delivery and patient outcomes. Dr. Toth is a 2023 graduate of the NIDUS Boot Camp.

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