

# Neuroscience Grand Rounds 2025

## Uncovering a neuroendocrine link to female-selective nociceptor sensitization in migraine

October 24, 2025 – 8:00 AM

Other

### Overall Activity Objectives:

- 1 Incorporate into practice current evidence-based practices to get patients with stroke the most appropriate treatment/intervention in the shortest time possible.
- 2 Incorporate disease modifying therapies into the treatment plan for individuals with multiple sclerosis based on the most current clinical research and professional society guidelines and the underlying science regarding mechanism of action.
- 3 Evaluate patients with neuromuscular disease for the use of the latest treatments, based on evidence-based guidelines and publications.
- 4 Treat patients with migraine with the latest agents and strategies when traditional treatments fail.
- 5 Refer patients with Parkinson's disease and other movement disorders for neuromodulatory treatments sooner in their treatment paradigm.
- 6 Incorporate ethical constructs into the delivery of care and communication with patients and their families.

### Session Objectives:

- 1 Analyze the pathophysiology of migraine with a focus on the neuroendocrine mechanisms linking stress to migraine onset and progression.
- 2 Understand the sexually dimorphic mechanism of stress-induced trigeminal sensitization involving prolactin signaling - relevance in migraine.
- 3 Evaluate the therapeutic implications of targeting kappa-opioid receptors and prolactin signaling in migraine treatment.

### Accreditation Statement:

The University of Arizona College of Medicine - Tucson is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Arizona College of Medicine - Tucson designates this Live Activity for a maximum of 1.00 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Relevant Financial Relationships Statement(s):

University of Arizona College of Medicine - Tucson Office of Continuing Medical Education adheres to the ACCME's Standards for Integrity and Independence in Accredited Continuing Education. Any individuals in a position to control the content of a CME activity, including faculty, planners, reviewers or others are required to disclose all financial relationships with ineligible entities (commercial interests). The CME office reviewers have nothing to disclose. All relevant financial relationships have been mitigated prior to the commencement of the activity.

Name of individual	Individual's role in activity	Nature of Relationship(s) / Name of Ineligible Company(s)
David M Labiner, MD	Planning Committee Member	Grant or research support-Neurona Therapeutics Grant or research

		support-Xenon - 09/03/2025
Amanda Codling, MD	Planning Committee Member	Nothing to disclose - 02/26/2025
Dedrick Jordan, MD, PhD	Activity Director	Other: Data Safety Monitoring Board-Acasti Pharma (Relationship has ended) Paid consultant-Novo Nordisk (Any division) Paid consultant-Icon PLC - 04/25/2025
Micah Etter, MD	Planning Committee Member	Nothing to disclose - 05/21/2025
Caroline Kopruszinski, PhD	Faculty	Nothing to disclose - 10/13/2025



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