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## Neurology Grand Rounds 2021-2022 2022

### Neurology Grand Rounds 2021-2022 - 2/9/2022 Virtual Development of extracellular vesicle-based technologies for traumatic brain injury diagnostics

February 9, 2022

12:00 PM - 1:00 PM

#### Target Audience

This program has been designed for Neurology, Psychiatry And Neurology - Child And Adolescent Psychiatry, Radiology - Neuroradiology, Radiology - Pediatric Radiology, Neurology With Special Qualification In Child Neurology

#### Series Educational Objectives

After participating in this regularly scheduled series, participants should be able to:

- 1 Demonstrate increased knowledge of established and novel treatments for common and unusual neurologic disease
- 2 Demonstrate increased knowledge of the pathogenesis of common and unusual neurologic disease
- 3 Demonstrate increased knowledge of established guidelines for team based management of common and unusual neurologic disease

#### Session Educational Objectives

After completing this educational activity, participants should be able to:

- 1 Describe the technologies available for measuring biomarkers of traumatic brain injury and their advantages/disadvantages
- 2 Summarize - To present research findiDescribe the development and use of a new technology for isolating brain-derived extracellular vesicles from plasma
- 3 Summarize studies that apply this technology for use as a brain injury diagnostic, in both preclinical and clinical samples.

#### Accreditation

In support of improving patient care, Penn Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

#### Designation of Credit

**Physicians:** Penn Medicine 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.

**Nurses:** This activity is for 1.00 contact hours.

**Pharmacists:** This activity is not approved for pharmacy contact hours

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Check your transcript online at <https://upenn.cloud-cme.com>

**PAs:** Penn Medicine has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria.

This activity is designated for **1.00** AAPA Category 1 CME credit(s). PAs should only claim credit commensurate with the extent of their participation.

**Acknowledgement of Commercial Support\***

None

### Disclosure of Relevant Financial Relationships and Unapproved Uses of Products

It is policy at Penn Medicine Office of Continuing Medical and Interprofessional Education for individuals who are in a position to control the content of an educational activity to disclose to the learners all relevant financial relationships that they have with any commercial interest that provide products or services that may be relevant to the content of this continuing education activity. For this purpose, we consider relationships of the person involved to include financial relationships of a spouse or partner.

The intent of this policy is to ensure that Penn CME/CE certified activities promote quality and safety, are effective in improving medical practice, are based on valid content, and are independent of control from commercial interests and free of commercial bias. Peer review of all content was conducted for all faculty presentations whose disclosure information was found to contain relationships that created a conflict of interest relevant to the topic of their presentation. In addition, all faculty were instructed to provide balanced, scientifically rigorous and evidence-based presentations.

The staff in the Office of Continuing Medical and Interprofessional Education (CME and IPCE), have disclosed that they have no relevant financial relationships with any commercial interests related to the content of this educational activity. Any peer reviewer with a potential conflict of interest will recuse themselves from the peer review process.

Name of individual	Individual's role in activity	Name of commercial interest/Nature of relationship
Raymond Price, MD	Course Director	Nothing to disclose - 03/02/2021
David Meaney, PhD	Faculty	Nothing to disclose - 02/02/2022
Michele Sellers, MSN	Nurse Planner	Nothing to disclose - 01/11/2022
Samuel Carrell, MD, PhD	Other Planning Committee Member	Nothing to disclose - 08/25/2021
David J Irwin, MD	Other Planning Committee Member	Membership on Advisory Committees or Review Panels, Board Membership, etc.- Denali Therapeutics - 01/10/2022
Frances E. Jensen, MD	Other Planning Committee Member	Honoraria-Janssen Pharmaceuticals (J&J) (Relationship has ended) - 01/10/2022
Laura Pappalardo, PharmD	Other Planning Committee Member	Nothing to disclose - 01/04/2022

Relevant financial relationships are those relationships in which the individual benefits by receiving a salary, royalty, intellectual property rights, consulting fee, honoraria, ownership interest (e.g., stocks, stock options or other ownership interest, excluding diversified mutual funds), or other financial benefit. Financial benefits are usually associated with roles such as employment, management position, independent contractor (including contracted research), consulting, speaking and teaching, membership on advisory committees or review panels, board membership, and other activities from which remuneration is received or expected