

In Vitro Neural Platforms

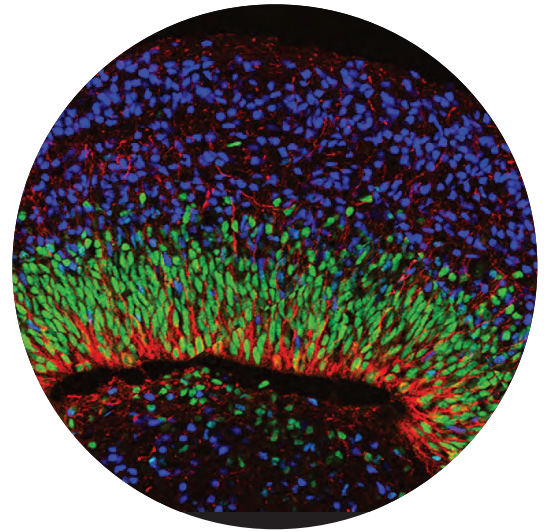
Development and Integration into Health Care

A workshop sponsored by the UNC Center for Genomics and Society, Center for Bioethics, and Program for Precision Medicine in Health Care

Monday, October 2, 2023

8:00 am - 4:00 pm

Friday Conference Center



This is an in-person event; registration is required.

Please visit <https://tinyurl.com/28eop7ry> or use QR code below to register.

As the use of in vitro neural platforms like brain organoids and microtissues increases, there is a lack of general knowledge about the limitations of the platforms. Bioethicists and scientists may also have concerns about the implications of the use of these systems in clinical and nonclinical research.

This workshop will facilitate a discussion of in vitro neural platforms development, organoid intelligence, and oversight of this technology. The plenary speaker is Dr. Katherine MacDuffie, Assistant Professor, Division of Bioethics and Palliative Care, Department of Pediatrics, University of Washington Medicine. Platform presentations will address:

- Demystifying the Biology of Learning in In Vitro Neural Platforms
- mAI vs. bAI: What is the relationship between Machine Artificial Intelligence and Biological Artificial Intelligence?
- Defining Intelligence, Consciousness, and Sentience. How do we measure them?
- Regulation of Neural Platforms: Current Practices and Predicting a Future Course

