



Human Organoids

Charting the Future of Experimental Biology

Workshop Organized by the Minerals in Nutrition and Development Center

Johns Hopkins University School of Medicine

Free to attend - Registration required



Friday, January 16, 2026

9:00 AM to 6:00 PM



Mountcastle Auditorium

725 N. Wolfe st, 1st Floor, Baltimore, MD, 21205

Morning session

Organoids as models of human disease

Introduction to the Minerals in Nutrition and Development Center (MINEd)

[Rajini Rao, PhD](#), School of Medicine

Keynote Session: Organoids-on-a-chip

[Dan Dongeun Huh, PhD](#), Department of Bioengineering, University of Pennsylvania

Mammary Organoids and Potential Applications of Human Milk

[Rajini Rao, PhD](#), School of Medicine

Intestinal Organoids Reveal Epigenetic Alterations in Obesity

[Jennifer Foulke-Abel, PhD](#), School of Medicine

Multicell Organoids for Studies of Cancer

[Denis Wirtz, PhD](#), Whiting School of Engineering, School of Medicine

Afternoon session

Technology innovation in Organoids Research

Advanced Human Organoids and Microphysiological Systems for Disease Modeling and Phenotypic Drug Screening

[Deok-Ho Kim, PhD](#), Whiting School of Engineering

Neuroengineering Organoids for the Study of Neurological Disorders

[Annie Kathuria, PhD](#), School of Medicine

Multiorgan MicroPhysiological Systems Recapitulating Human Immunity and Metabolism

[Martin Trapecar, PhD](#), School of Medicine

From Maternal Inflammation and Autism to Learning Models with Neural Organoids

[Lena Smirnova, PhD](#), Bloomberg School of Public Health

Microphysiological Systems as Transformative Technologies in Biomedicine –

The Example of Brain Organoids

[Thomas Hartung, MD, PhD](#), Bloomberg School of Public Health

Panel Discussion - Human Organoids: Challenges, Reproducibility, and Future

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