



Lena Smirnova, Ph.D.

Titles & Department

Assistant Professor of Environmental Health and Engineering

Specialization Areas

Building more predictive, human-relevant *in vitro* methods to understand developmental neurotoxicology via iPSC-derived brain organoids.

Publications

- A Novel Approach to Increase Glial Cell Populations in Brain Microphysiological Systems, *Advanced Biology*, 2023.
- Oligodendrogenesis and myelination tracing in a CRISPR/Cas9-engineered brain microphysiological system, *Frontiers in Cell Neuroscience*, 2022.
- Organoid intelligence (OI) - The ultimate functionality of a brain microphysiological system, *ALTEX*, 2023.