REPLACEMENT IN NEUROSCIENCE



A **webinar** co-organised by the **French** and **Swiss** 3R centres **November 13th, 2025**

13:30 - 17:15 (CET)

Open registrationclick **here** or
scan there:



Swiss accreditation for **0.5 day** of continuing education for animal experimentation (pending confirmation)

13:30 **Opening**

13:35 - 14:00 Human pluripotent stem cells: a promising alternative to animal models in neuroscience Dr Alexandra Benchoua, Centre d'étude des Cellules Souches (CECS)/I-Stem, Corbeil-Essonnes

Developing next-generation replacement methods to model and study the brain

- 14:00 14:25 IPSC-derived human neurons and brain organoids development to study the pathophysiological impact of mutations identified in neuropsychiatric disorders

 Dr Stéphane Jamain, Institut Mondor de Recherche Biomédicale, University of Paris Est Créteil
- 14:25 14:50 How engineering can help biologist to develop Replacement Models in Neuroscience: practical experience with companies

 Dr Adrien Roux, Tissue Engineering Group, HEPIA HES-SO
- 14:50 15:15 Development of the Synapse Plasticity tool for prediction of synapse plasticity outcome in silico Dr Romain Veltz, National Institute for Research in Digital Science and Technology, Université Côte d'Azur
- 15:15 15:30 Break

Translating human-based models into therapies and safety applications

- 15:30 15:55 Landscape of pediatric high grade gliomas: gaps and opportunities
 Dr Javad Nazarian, DIPG/DMG Research Center, University Children's Hospital Zurich
- 15:55 16:20 Modeling human neurodegeneration on a chip for ethical and successful drug development Dr Maxime Cazorla, Institut de Neurosciences de La Timone, Aix-Marseille University
- 16:20 16:45 Ex vivo study of the ADHD brain with iPSC-derived models: prospects for pharmacological discoveries Dr Edna Grünblatt, Department of Child and Adolescent Psychiatry, University of Zurich
- 16:45 17:10 Advancing Neurotoxicity Testing with Human In Vitro Models: A Human-Based Replacement Approach Dr David Pamies, Department of Biomedical Sciences, University of Lausanne
- 17:10 17:15 Tools to identify alternatives methods
 - **17:15** Closing