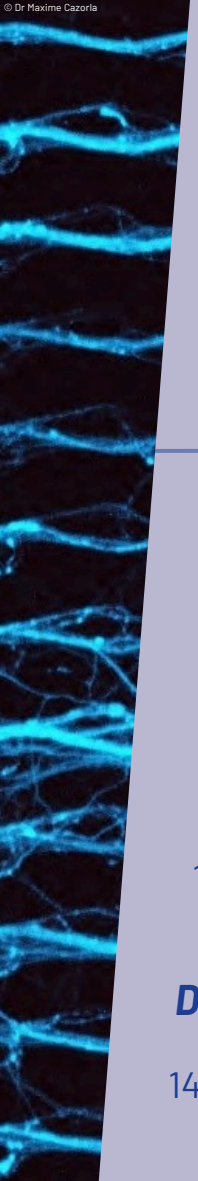

REPLACEMENT IN NEUROSCIENCE

FC 3R french center

3 R
C C
Swiss 3R Competence Centre

A **webinar** co-organised by the **French** and **Swiss** 3R centres
November 13th, 2025
13:30 – 17:15 (CET)

Open registration
click **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***