

**3 R** Swiss 3R  
**C C** Competence  
Centre

# Swiss 3Rs Day

3Rs in Neuroscience

Aula, UZH Main Building  
University of Zurich  
**24. June 2025**



University of  
Zurich <sup>UZH</sup>

**ETH** zürich

**zh  
aw**



08:00 – 08:45

**Registration**

08:45 – 09:00

**Welcoming by Elisabeth Stark, Vice President Research, University of Zurich**

## Session 1

# 3Rs Implementation of Replacement Methods

Chaired by Markus Rimann

## KEYNOTE

09:00 – 09:40

**Organoids reimaged: Engineering a path to translation**

**Matthias Lütolf, EPFL**

09:40 – 10:05

**In vivo insights from in vitro testings: Rethinking brain cancer drug screening**

**Jens Kelm, PreComb**

10:05 – 10:30

**Brain organoids derived from patients as a tool to evaluate efficacy of new treatments**

**Sylvain Lengacher, Gliapharm**

10:30 – 11:00

**Coffee Break & Poster and Exhibitor Viewing**

## Session 2

# Reduction and Refinement in basic Neuroscience

Chaired by Paulin Jirkof, UZH

11:00 – 11:25

**Refining behavioral neuroscience through automation and machine learning**

**Johannes Bohacek, ETH Zürich**

11:25 – 11:50

**Refining intracerebral injection of neuroactive compounds through transcranial focused ultrasound-activated microbubbles (MB-FUS): Application to schizophrenia**

**Anthony Lugeray, University of Lausanne**

11:50 – 12:15

**Monkeying around with neuroscience: Revolutionizing research with 3R principles and positive reinforcement training**

**Andrea Campa, University of Zurich**

## KEYNOTE

Chaired by Jenny Sandström

12:15 – 12:55

**The Adverse Outcome Pathway Concept: Bridging from lab science to regulation**

**Ellen Fritsche, University of Basel**

12:55 – 14:00

**Lunch Break & Exhibitor Viewing**

14:00 – 14:30

**Poster viewing – Presenters please be available at your poster**

# Poster Flash Presentations of Finalists & Poster Award

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Chaired by Samia Bachmann, ETH

14:30 - 14:50

Details TBA

## Session 3

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### Tandem Presentations: Biotech & Pharma

Chaired by Aude Rapet, Swiss 3RCC

14:50 - 15:50

TBA Talk 1 (In application process)

TBA Talk 2 (In application process)

15:50 - 16:20

**Coffee Break & Poster and Exhibitor Viewing**

## Session 4

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### Enabling the implementation of 3Rs

Chaired by Elisa Passini, NC3Rs

16:20 - 16:45

**Human Stem Cells: Model Systems for Human Biology and Medicine**

**David Pamies, University of Lausanne and Melanie Generali, University of Zürich**

16:45 - 17:10

**How can law promote the adoption of Organoids as NAMs?**

**Alfred Früh, University of Basel**

17:10 - 17:35

**New Multi-Modality Approaches for Scalable Brain Interrogation and Stimulation**

**Daniel Razansky, ETH Zurich**

17:35 - 18:00

**How can systematic reviews support the 3R principles? A case study in bench-to-bedside translation**

**Benjamin Ineichen, University of Zurich**

18:00 - 18:10

**3Rs Awards and Closing remarks by Jenny Sandström, 3RCC Executive Director**

18:10-19:30

**Apero**

