

# Finnish 3Rs Annual Symposium

University of Oulu, 4-6 November 2024

Kontinkangas campus, Aapistie 5A

organized by:

3R Centre Finland, Fin3R;

Animal Welfare Body of Oulu Laboratory Animal Centre;

Biocenter Oulu; Fibrobesity Profiling Programme;

Health and Biosciences Doctoral Programme, University of Oulu Graduate School

## WORKSHOPS

Monday, 4 November 2024 (room 487B)

**13.00–16.00** Power analysis – *Petteri Piepponen* (University of Helsinki, Finland)

Tuesday, 5 November 2024 (room 487B)

**9.00–12.00** What's in a hypothesis? What are exploratory and confirmatory studies, and why is it important to be able to tell the difference? – *Otto Kalliokoski* (University of Copenhagen, Denmark)

## SYMPOSIUM

Tuesday, 5 November 2024 (101A, Leena Palotie Hall)

### Session 1

Chair: Mikko Airavaara (University of Helsinki, Finland)

**13:15–13:30** Welcoming words from the organizers

**13:30–14:00** Integrated approaches in toxicology and pharmacology  
*Dario Greco* (University of Tampere, Finland)

**14:00–14:30** Anesthetic influence on cerebrospinal fluid dynamics in rodents  
*Daniel Persson* (University of Helsinki, Finland)

**14:30–15:15** **Coffee and Posters**

**15:15–15:30** Short oral presentations from abstracts:  
Refining a Streptozotocin-Induced Type 1 Diabetes Mouse Model: Enhancing Animal Welfare Through the 3R Principles – *Mahmoud-Sobhy Elkhwanky* (University of Oulu, Finland)

Wild animal derived cell models as a tool to study speciation, adaptations and mitonuclear compatibility – *Kateryna Gaertner* (Tampere University, Finland)

Transcriptomic profiling of hypoxic cerebral organoids by single-nucleus RNA sequencing – *Salla Kangas* (University of Oulu, Finland)

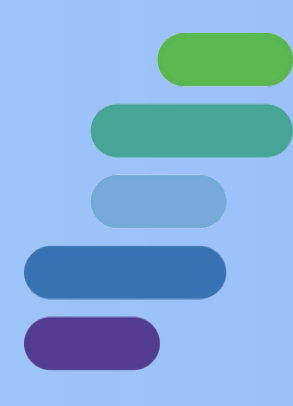
**15:30–16:00** Breeding of laboratory animals – complexities around simple biology – *Thorsten Buch* (University of Zurich, Switzerland)



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Wednesday, 6 November 2024 (101A, Leena Palotie Hall)

## Session 2

Chair: Johanna Englund (University of Helsinki, Finland)

**9:00-9:35** Refining models of cardiac fibrosis, from mice to dish  
*Andreas Romaine* (University of Oslo, Norway)

**9:35-10:05** Modelling liver complexity with organoids  
*Anna Dowbaj* (Max Planck Institute of Cell Biology and Genetics, Germany)

**10:05-10:35** **Coffee Break**

## Session 3

Chair: Vootele Voikar (University of Helsinki, Finland)

**10:35-11:10** The 3Hs initiative: Housing, Handling and Habituation methods for rodents - *Megan Jackson* (University of Bristol, UK)

**11:10-11:40** Mastering Mouse Habituation and its Effects on Biomedical Research Outcomes - *Julia Swan* (University of Eastern Finland, Finland)

**11:40- 12:00** Short oral presentations from abstracts:  
How much did you drink last night? Measuring the voluntary intake of liquid substances in laboratory rodents - *Sara Häkli* (University of Eastern Finland, Finland)  
Voluntary Oral Administration of Chemicals by Using Gelatin Pellets in Mice - *Outi Kummu* (University of Oulu, Finland)  
Animal Research: Time to Talk! - *Monique Havermans* (European Animal Research Association, EARA)

**12:00-13:30** **Lunch and Posters**

## Session 4

Chair: Hanna-Marja Voipio (University of Oulu, Finland)

**13:30-14:05** The LAG-R guidelines, a framework for standardizing and improving laboratory animal genetic reporting - *Guillaume Pavlovic* (Institut Clinique de la Souris, France)

**14:05-14:35** Refinement of preclinical research - a focus on experimental design - *Gillian Currie* (University of Edinburgh, UK)

**14:35-15:20** **KEYNOTE:** How common are fraudulent animal studies and how do they impact us? - *Otto Kalliokoski* (University of Copenhagen, Denmark)

**15:20-15.30** Discussion and closing words