

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) [online]

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

