



## FIN3R Center is proud to invite you to the Finnish 3Rs Annual Symposium!

NOVEMBER 4-6, 2024

This year, we will meet at the **University of Oulu**, from November 4th to November 6th, 2024. We have prepared two workshops and more than ten talks by top experts in the field for the three-day event. For more information about the topics and sessions, have a look at the program below! ↓



### JOIN US FOR THE WORKSHOPS...

This year, we will host two different workshop designed for Early Career Researchers, to upgrade their skills! The focus will be on the experimental design and power analysis.

**Power Analysis Workshop** will provide a practical experience through a small power analysis exercises with the G\*Power software. G\*Power is a tool to compute statistical power analyses for many different *t* tests. The workshop is scheduled for November 4th, 2024, from 13-16h. More information about the workshop is available [here](#).

**Registration for the Power Analysis Workshop is open until October 18th, 2024. To register, click [here](#).**

During the three-hour period of the **Experimental Design Workshop**, we will we will talk about how we formulate a hypothesis. We will also briefly talk about future trends. How can we do things better? How do we go about pre-registering a study? What are registered reports? We will together look at why formulating a clear hypothesis matters. What happens if we get things wrong? We will use some real-life examples to look at the fundamental differences between exploratory and confirmatory studies. The workshop is scheduled for November 5th, 2024, from 9-12h. More information about the workshop is available [here](#).

**Registration for the Experimental Design Workshop is open until October 18th, 2024. To register, click [here](#).**

**Note!** Places for the workshops are limited. Each workshop can accommodate 16-20 participants. Reserve your place in advance!

### ... AND STAY FOR THE SCIENTIFIC TALKS!

University of Oulu will be a host to more than 10 national and international experts across the 3R themes! We will have a chance to hear some of the oral presentations based on the abstract submissions. Give a closer look to our program! ↓

**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 Kallioikoski* (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 mitochondrial compatibility - *Kateryna Goertner* (Tampere University, Finland)  
 Transcriptional 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  
*Anno Dowday* (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 3Rs 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 Häkii* (University of Eastern Finland, Finland)  
 Voluntary Oral Administration of Chemicals by Using Gelatin Pellets in Mice - *Otti Kurmu* (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 Kallioikoski* (University of Copenhagen, Denmark)  
**15:20-15:30** Discussion and closing words

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### REGISTRATION AND OTHER INFORMATION

Attending the symposium supports your continuing professional development (CPD). Doctoral researchers can earn additional study credits by presenting their work at the symposium (short oral communication and/or poster).

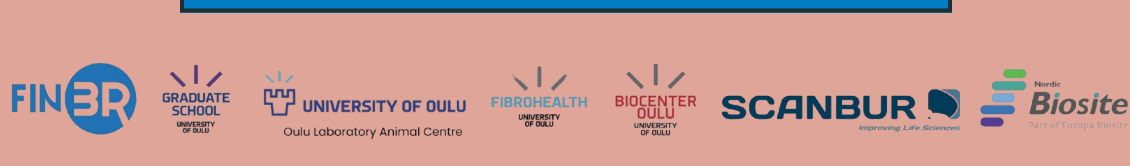
**Registration for the Symposium is open until November 1st, 2024. To register, click [here](#).**

For additional information and questions, please contact Reetta Hinttala at [reetta.hinttala@oulu.fi](mailto:reetta.hinttala@oulu.fi).

Symposium is organized by: 3R Centre Finland, Fin3R; Animal Welfare Body of Oulu Laboratory Animal Centre; Biocenter Oulu; ProfI6 Fibrobesity profiling programme; Health and Biosciences Doctoral Programme, University of Oulu Graduate School

Big thank you to our organizing committee: Reetta Hinttala, Mikko Airavaara, Johanna Englund, Anne Heikkinen, Satu Kuure, Sakari Laaksonen, Vootele Voikar and Hanna-Marja Voipio.

**More information about the Symposium!**



### UPCOMING EVENTS

SAVE THE DATES!

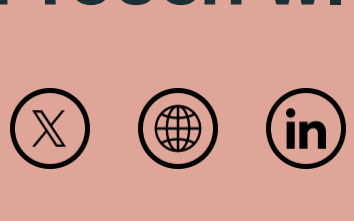
Join our upcoming webinar on October 22nd 2024!

Registration is open for the Fin3R webinar "**Conventional rodent housing and its implications for morbidity, mortality and experimental results**" which will be presented by **Dr. Jessica Cait** (University of Guelph and Canadian Council on Animal Care, Canada).

**Date: October 22nd, 2024, 16h (EEST)**  
**Register in advance for this meeting:** [https://helsinki.zoom.us/meeting/register/u5YsfuuuqDkrHtXpK56T\\_e4ZOKD2gE3jJH\\_WE](https://helsinki.zoom.us/meeting/register/u5YsfuuuqDkrHtXpK56T_e4ZOKD2gE3jJH_WE)

**More information about the webinar!**

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