

FIN3RC Annual Symposium

October 27-28, 2025, Turku

Turku School of Economics, LähiTapiola Hall, Rehtorinpellonkatu 3

Monday, 27.10.

9:00-10:30

Opening and Session 1: FIN3RC 2022-2025

- Marianna Norring (*University of Helsinki, Finland*): The Need for Advancing Alternative Methods in Society and Science
- Johanna Englund (*University of Helsinki, Finland*): Beyond animal models: The current landscape of replacement research in Finland
- Mikko Airavaara (*University of Helsinki, Finland*): Enhancing Scientific Quality Through Reduction Strategies
- Vootele Voikar (*University of Helsinki, Finland*): Animal Welfare Body network and implementing Culture of Care in Finland (Fin3R Refinement)

10:30-11:00 Coffee break

11:00-12:45

Session 2: Reducing harms and severity, increasing benefit of animal experiments

- Anton Bespalov (*PAASP GmbH, Germany*): Working group on Harm-Benefit Analysis: A Tool for the Assessment of Benefit
- Stéphanie De Vleeschauwer (*KU Leuven, Belgium*): Severity classification of Laboratory Animal Procedures in Two Belgian Academic Institutions
- Tommaso Virgilio (*Institute for Research in Biomedicine, Bellinzona, Switzerland*): Refining in vivo models to improve data quality: the effect of analgesia and anesthesia on cell trafficking and immunity
- Jeffrey Bajramovic (*3Rs Centre Utrecht, Utrecht University, Netherlands*): Refining Animal Experiments: An Extensive Update of the Humane Endpoints Website

12:45-14:00 Lunch break

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14:00-15:30

Session 3: Avoidance of Surplus in Research & Short talks

- *Thorsten Buch (University of Zurich, Switzerland)*: Reducing surplus animals: Low-hanging fruit and mathematical tools
- Oral Presentations selected from abstracts
 - *Mirkka Sarparanta (University of Helsinki, Finland)*: Improvement of outcomes in an orthotopic mouse model of head and neck squamous cell carcinoma (HNSCC) through surgical and follow-up care refinement
 - *Oskar Haavisto (University of Turku, Finland)*: Synthetic nanobody phage display library for recombinant binder discovery
 - *Saana Pohjavaara (University of Helsinki, Finland)*: Reducing animal use in cardiac research with hiPSC-derived cardiomyocyte models
 - *Karoliina Kajander (University of Turku, Finland)*: Modeling diabetic wound healing in vitro for biomaterials research
 - *Kiesha Rice (University of Turku/Misvik Biology, Finland)*: Human Ex Vivo Models and Functional Approaches Advance Immuno-oncology Drug Discovery
 - *Mina Aminlou (Tampere University, Finland)*: Liver organoids, a promising model for ADME-tox investigations

15:30-17:00 Posters session with coffee and networking

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9:00-10:30

Session 4: Genetics

- *Emma Andersson (Karolinska Institutet, Stockholm, Sweden):* Fewer mice, more data: in utero nano-injection as a tool for high throughput genetic manipulation
- *Reetta Hinttala (University of Oulu, Finland):* Finnish Disease Heritage to Model Rare Diseases - Novel Model of Neuronal Ceroid Lipofuscinosis
- *Satu Kuure (University of Helsinki, Finland):* The Fatal Cascade: Mechanisms of Fetal Death in Lethal Congenital Contracture Syndrome Type 1

10:30-11:00 Coffee break

11:00-12:30

Session 5: Models replacing animals

- *Elle Koivunotko (University of Helsinki, Finland):* Animal-Free 3D In Vitro Angiogenesis Model
- *Cecilia Sahlgren (Åbo Akademi, Finland):* Tumor and Lymph Node on Chip for cancer studies
- *Tilo Weber (Animal Welfare Academy of the German Animal Welfare Federation, Germany):* A universally usable, xeno-free, defined medium for 2D and 3D culturing of cancer and regular cells

12:30-12:45 Closing

Medisiina D building, Blokki 2, Kiinamyyllynkatu 10

14:00-17:00 Power Analysis Workshop by *Petteri Piepponen (University of Helsinki, Finland)*