FinGMice

a network within Finnish universities
providing services and expertise in generation and analysis of genetically modified mice

Organizes Webinar:

Boost your research - national mouse clinic network

November 20, 2020
Program

9:00	**Welcome**
	Heikki Tanila, University of Eastern Finland/Biocenter Kuopio
9:05	**FinGMice network and Finnish Mouse Clinic – tools for successful science**
	Reetta Hinttala, University of Oulu/Biocenter Oulu, Head of FinGMice network
Session 1:	**Generation and selection of GM mouse models**
9:30	**Generation of genetically modified mice for human disease models**
	Satu Kuure, University of Helsinki
10:00	**Know your mouse – phenotypic variation among the common C57BL/6 mice**
	Vootele Võikar, University of Helsinki
10:25	**How to get most out of your mouse model?**
	Petra Sipilä, Turku Center for Disease Modeling, University of Turku
10:50	**Break**
Session 2:	**In vivo phenotyping**
11:00	**Behavioral and metabolic phenotyping of mice**
	Kari Mäkelä, University of Oulu
11:30	**Automated solutions for behavioral phenotyping**
	Romain Hollands, Noldus, Wageningen, the Netherlands
11:55	**Application of functional MRI in awake rats**
	Olli Gröhn, University of Eastern Finland
12:20	**Lunch break**
Session 3:	**Pathological analysis of GM mice**
13:00	**FCLAP – Why 21st century mouse science needs 19th century pathology?**
	Jere Linden, Finnish Centre for Laboratory Animal Pathology, University of Helsinki
13:30	**AI-based image analysis of mouse tissue pathology**
	Lars Pedersen, Visiopharm, Denmark
13:55	**Mouse imaging: from light microscopy to ultrastructural details**
	Mika Kaakinen, University of Oulu
14:25	**Break**
Session 4:	**Translational value of GM mouse models**
14:30	**Mitochondria in single tissues tune systemic metabolism: relevance from mice to human diseases**. Anu Wartiovaara, University of Helsinki
15:00	**Use of In vivo mouse models to study the complex biology of tissue-resident macrophages**
	Pia Rantakari, University of Turku and Åbo Akademi University
15:30	**Are GM mice valid disease models for CNS drug development?**
	Heikki Tanila, University of Eastern Finland/Biocenter Kuopio
16:00	**Closing**