Laboratory Animal Centre seminar, organized by the Animal Welfare Body and Health and Biosciences Doctoral Programme, University of Oulu Graduate School

3R seminar: Study design

The medical faculty, Aapistie 5A, 90220 Oulu
Lecture hall 101A – Leena Palotie -sali

Thursday, 31\textsuperscript{st} January 2019

Programme

Chair: Reetta Hinttala

8:30 – 8:35  
**Opening of the seminar**  
Professor Hanna-Marja Voipio, Director, Laboratory Animal Centre, University of Oulu, Finland

8:35 – 9:30  
**PREPARE before you ARRIVE: planning and reporting animal experiments**  
Professor Adrian Smith, Secretary of Norecopa, Norway

9:30 – 10:00  
Coffee break

10:00 – 10:40  
**Embracing variation to improve replicability of in-vivo research**  
Dr Natasha Karp, Associate Principal Scientist - Statistician, Quantitative Biology, IMED Biotech Unit, AstraZeneca, UK

10:40 – 11:30  
**Unstable p values are causing lack of repeatability in animal experiments**  
Dr Lewis Halsey, University of Roehampton, UK

11:30 – 12:30  
Lunch

Chair: Kari Mäkelä

12:30 – 13:25  
**Sleep and Circadian rhythms in research: Why should we care?**  
Dr Henna-Kaisa Wigren, Postdoctoral fellow / Junior Group leader, Sleep Team Helsinki, University of Helsinki, Finland

13:25 – 14:15  
**Unconscious bias in scientific research - Cautionary tales from psychology’s replication crisis**  
Dr Stuart Ritchie, King’s College, London, UK

14:15 – 14:45  
Coffee break

14:45 – 15:45  
**Sex bias in pre-clinical research**  
Dr Natasha Karp

15:45  
Closing remarks

Registration until 23.1.2019: [https://www.webropolsurveys.com/S/120EC695C2556024.par](https://www.webropolsurveys.com/S/120EC695C2556024.par)  
**Credits:** This seminar gives 0,3 ECTS.