

Alternative non-animal methods in biomedical research course

Kuopio, 26-27 August 2024

DAY 1. (26.8.2024)

12.30 – 13.00 Registration

13.00 – 13.15 Welcome, practical matters and introduction of participants

SESSION 1. Basic science session

13.15 – 14.00 Plenary lecture Jonathan Curd (University of Nottingham, Co-founder & CEO PeptiMatrix): TBI

14.00 – 14.40 Coffee, exhibition and a poster session

14.40 – 15.10 Hanna Vuorenpää (Tampere University): In vitro models in replacing animal models -new era of Organ-on-Chip technology

15.10 – 15.40 Erdogan Pekcan Erkan (Tampere University): Imperfect, yet useful: modeling abdominal cancers with patient-derived tumor organoids

15.40 – 16.10 Maria Hytti (UEF) Exploring disease mechanisms using induced pluripotent stem cell-derived cells from patients and healthy controls – focus on age-related macular degeneration

16.10 – 16.40 Prateek Singh (Founder & CEO Finnadvance): Open architecture microfluidics for scalable organ-on-chips

16.40 – 17.00 Meet the speakers



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DAY 2. (27.8.2024)

SESSION 2. Regulatory bodies + Companies

09.00 – 09.45 Plenary lecture Sirpa Pietikäinen (Member of EPPA)

09.45 – 10.15 Elina Brusila (ECHA): Regulatory Application – Alternative methods to industrial chemicals

10.15 – 10.45 Coffee, exhibition and a poster session

10.45 – 11.15 Pauliina Lehtolainen-Dalkilic (FIMEA): Regulatory perspective update: how EMA and National Agencies are advancing 3Rs

11.15 – 11.45 Tony Kiuru (UPM): GrowDex – Animal-free option for automated 3D cell culture assays

11.45 – 11.55 Students presentations

11.55 – 12.05 Students presentations

12.05 – 12.15 Students presentations

12.15 – 13.00 Lunch and exhibition

SESSION 3. Companies

13.00 – 13.45 Plenary lecture Melina Malinen (ORION): Advancing Drug Discovery: Harnessing Human-Based Alternatives

13.45 – 13.55 Wrapping up the course

13.55 – 14.15 Coffee and exhibition

14.45 – 16:00 Visit to company 1 –Experimentica Ltd 2×30 min, 12+12 students

14.45 – 16:00 Visit to company 2 –Ferring VENTURE Oy 2×30, 12+12 students

