

ICAR3R Kick-off Symposium: New Prospects in Interdisciplinary 3R Research

Programme 18th October 2018

WELCOME

12:00 - 13:00 Registration

13:00 - 13:30 Welcome

SESSION 1 – REFINEMENT & REDUCTION

(Chair: Stephanie Krämer, Peter Jedlička)

13:30 - 14:15 Generation of a reporter cell line to assess neurotransmitter release: an unintended journey to 3R and beyond
Prof. Gerhard Püschel
University of Potsdam

14:15 - 14:45 Live3R - a new platform for communicating 3R-research
Prof. Stephanie Krämer
ICAR3R JLU Giessen

14:45 - 15:15 **Coffee break**
Poster Session I

SESSION 2 - REFINEMENT & REDUCTION

(Chair: Anne Zintzsch, Nicole Paulin)

15:15 - 15:45 Strategies to avoid severe suffering of laboratory animals
Dr. Elliot Lilley
RSPCA, UK

15:45 - 16:15 3Rs in cancer research: Monitoring tumours with luciferases
Prof. Thorsten Stiewe
Philipps University Marburg

16:15 – 16:45 Organism-wide lineage tracing and spatially-resolved transcriptomics – quantitative developmental biology with minimal animal numbers
Dr. Jan Philipp Junker
Max Delbrück Center for Molecular Medicine, Berlin-Buch

Short oral presentations

16:45 – 17:00 Identification of the gastropod substrate for thyroid function as an example of the possibilities of functional hybrid imaging in invertebrates
Prof. Frederik Verburg
Philipps University Marburg

17:00 – 17:15 Stress reduction for laboratory rodents with cognitive enrichment
Dr. Charlotte Leidinger
Johannes Gutenberg University Mainz

17:30 – 20:00 **Get together & networking**
(Rektorenzimmer, 1st floor)

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SESSION 3 - REPLACEMENT & REDUCTION

(Chair: **Maike Windbergs**, **Peter Jedlička**)

9:00 - 9:45	Human In Silico Trials for Cardiac Pharmacology	Prof. Blanca Rodriguez University of Oxford, UK
9:45 - 10:15	3R principles and computational neuroscience	Prof. Peter Jedlička ICAR3R JLU Giessen & Goethe University Frankfurt
10:15 - 10:30	Coffee break	
10:30 - 11:00	Morphological modelling of neural circuits	Dr. Hermann Cuntz Goethe University Frankfurt
11:00 - 11:30	Boolean semiquantitative Models, Drug-minded interactomics and large-scale patient data: Our effort to refine, reduce and replace animal experiments	Prof. Thomas Dandekar University of Würzburg
11:30 - 12:00	Replacement of animal experiments by in vitro models	Prof. Maike Windbergs Goethe University Frankfurt

12:00 - 12:30
Light lunch
Poster Session II

SESSION 4 – ALTERNATIVE MODELS & 3R INITIATIVES

(Chair: **Stephanie Krämer** , **Peter Jedlička**)

12:30 - 13:00	The greater wax moth <i>Galleria mellonella</i> as an alternative model host for preclinical research	Dr. Krishnendu Mukherjee JLU Giessen
13:00 - 13:30	Transition to animal free innovation, change in Dutch policy	Prof. Jan-Bas Prins University Leiden, NL
13:30 – 14:00	Summary & Closing remarks Poster Prize	