



LABORATORY ANIMAL SCIENCES

February 10, 2021

| Date | Time | Track | Presentation Title | Speaker |
|--------|------------------|----------------------------------|--|--|
| 10-Feb | 07:30 - 08:30 AM | Preclinical Research | Panel Presentation: Laboratory Animal Welfare Training Exchange: Laboratory Animal Science Virtual Training Tools | Kiirsa Pokryfke, M.S., C.M.A.R. Managing Director Training Core University of Michigan Jessica Stukes B.S. Education and Training Manager, Duke University |
| 10-Feb | 09:00 - 10:00 AM | Preclinical Research | Keynote Presentation: The Use and Abuse of the 3Rs: Reflections on Art, Ethics and Science | F. Claire Hankenson, DVM, MS, DAACLAM Director and Attending Veterinarian, Campus Animal Resources, Professor, Pathobiology and Diagnostic Investigation, CVM, Michigan State University |
| 10-Feb | 12:00 - 12:45 AM | Preclinical Research | Experimental design strategies in primate trials that embrace the clinical schema to enhance translation | Melanie L. Graham, MPH, PhD Robert and Katherine Goodale Chair in Minimally Invasive Surgery, Associate Professor, Department of Surgery, Medical School, Associate Professor, Department of Veterinary Population Medicine |
| 10-Feb | 12:00 - 12:45 AM | Preclinical Research | How to improve rodent aseptic surgery at your facility using household products: Press N' Seal and Reynolds Wrap Foil | Raphael A. Malbrue, DVM, MS, CertAqV Clinical Veterinarian, Assistant Professor- Adjunct, The Ohio State University College of Veterinary Medicine ,The Abigail Wexner Research Institute at Nationwide Children's Hospital |
| 10-Feb | 12:00 - 12:45 AM | MICROPHYSIOLOGICAL SYSTEMS (MPS) | Human In Vitro Vascularized Tissue Models | James (Jay) Hoying, PhD Chief Scientist, Advanced Solutions Life Sciences |
| 10-Feb | 12:00 - 12:45 AM | Microphysiological Systems (MPS) | Implementing iPSC-derived 3D neurospheroids for fast-tracking novel target and hit identification in a human-first drug discovery paradigm | Cassiano Carromeu, PhD Director, Research and Development at StemoniX |
| 10-Feb | 12:00 - 12:45 AM | MICROPHYSIOLOGICAL SYSTEMS (MPS) | Introducing 3R in drug development and toxicology: recent breakthroughs and perspectives from the lung-on-chip technology | Nuria Roldan, PhD Scientific Lead and Project Manager, AlveoliX |

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| 10-Feb | 12:00 - 12:45 AM | MICROPHYSIOLOGICAL SYSTEMS (MPS) | Microengineered Biomimicry of Human Physiological Systems | Dan Dongeun Huh Associate Research Fellow, Drug Safety Research and Development, Pfizer, Inc. |
| 10-Feb | 12:00 - 12:45 AM | Microphysiological Systems (MPS) | Microphysiological systems: Probing Neurological Disease | Roger D. Kamm Cecil and Ida Green Distinguished Professor of Biological and Mechanical Engineering, Massachusetts Institute of Technology |
| 10-Feb | 12:00 - 12:45 AM | Preclinical Research | Non-aversive handling methods for mice: Scientific evidence and challenges for implementation | Jane L. Hurst, PhD, OBE Institute of Infection, Veterinary and Ecological Sciences, University of Liverpool, UK |
| 10-Feb | 12:00 - 12:45 AM | MICROPHYSIOLOGICAL SYSTEMS (MPS) | Organoids & Toxins - from snakebite to DNA-damaging bacteria | Jens Puschhof PhD candidate in Hans Clevers's group at the Hubrecht Institute, NL |
| 10-Feb | 12:00 - 12:45 AM | MICROPHYSIOLOGICAL SYSTEMS (MPS) | Patient-Derived Organoids for Drug Development and Patient Stratification | Robert Vries, CEO Hubrecht Organoid Technology (HUB) |
| 10-Feb | 12:00 - 12:45 AM | Microphysiological Systems (MPS) | Pharma collaboration to advance Microphysiological Systems | Szczepan Baran, VMD, MS Head of Emerging Technologies, LAS, Novartis |
| 10-Feb | 12:00 - 12:45 AM | Preclinical Research | Refining Pain Management for Laboratory Mice | Paulin Jirkof, PhD 3R Coordinator, The Department for Animal Welfare, and 3Rs of the University of Zurich |
| 10-Feb | 12:00 - 12:45 AM | Preclinical Research | The Experimental Design Assistant: an interactive web-based tool to provide bespoke feedback on experimental plans for in vivo studies | Dr. Esther Pearl Programme Manager - Experimental Design, NC3Rs |