



# 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

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