

- PROGRAM AT A GLANCE -

	Tuesday (May 21, 2024)	Wednesday (May 22, 2024)	Thursday (May 23, 2024)
08:30 am		- KEYNOTE - Marcel Leist (CAAT Europe, Konstanz University) <i>"Development of non-animal methods for neurodegradation research and neurotoxicity assessment"</i>	- KEYNOTE - Peter Loskill (Tübingen University, NMI Reutlingen) <i>"Recapitulating complex tissues using OoC and organoid technologies"</i>
08:50 am			
09:10 am			
09:30 am		Mario Bellmann <i>MPS for mechanistic toxicity investigations: Example drug-induced liver injury</i> (Boehringer Ingelheim)	Robert Zweigerdt <i>Human Multi-Tissue Organoids as an Advanced Teratogenicity Model</i> (Hannover Medical School)
09:50 am		Adrian Roth <i>Patient-derived human tissue models supporting precision medicine in clinical drug development</i> (Roche)	Vivek Thacker <i>Plenty of room in the middle: MPS models as enabling platforms to study infections in tissues</i> (Heidelberg University)
10:10 am		Diana Karwelat <i>Advanced cellular models at Bayer (Pharmaceuticals) – Use cases and current challenges</i> (Bayer AG)	Julia Alber <i>Marker-independent real-time imaging of tumor-immune interactions in a microphysiological test system</i> (NMI Reutlingen)
10:30 am	Satellite Event: 3R-Network BW Meeting	Coffee break	Coffee break
10:50 am		Gautier Roussignol <i>Human microbrain 3D model for non-clinical neuronal safety evaluation at early phase of drug development</i> (Sanofi)	Laura Suter-Dick <i>Multicellular liver microtissues for the investigation of liver fibrosis</i> (University Northwestern Switzerland)
11:10 am		Terry van Vleet <i>Current opportunities and remaining challenges for NAMs impact in pharmaceutical safety assessment</i> (AbbVie)	Simon Dreher <i>Engineering of contractile and metabolically mature human myotubes and myobundles</i> (Tübingen University)
11:30 am		Rhiannon Hardwick <i>Onboarding and context of use qualification considerations for GI and liver CIVM/MPS applications in discovery toxicology</i> (Bristol Myers Squibb)	Julia Lang <i>Using complex human skin models to study the immunological response to colonization by Staphylococcus species</i> (Karolinska Institutet Stockholm)
11:50 am			
12:10 pm		Lunch break	
12:30 pm			
12:50 pm			
01:10 pm	Opening Ceremony	Karilyn E. Sant <i>Embryonic and aquatic toxicity of common environmental pollutants: The case for tire tread particles and emerging coastal mixtures</i> (San Diego State University)	Stefan Krauss <i>Promises and challenges of microphysiological liver models</i> (Oslo University)
01:30 pm		Ashwin Shah <i>Human 3D high-throughput vasculogenesis model for developmental toxicity screening</i> (Leibniz-Institute for Polymer Research)	Janick Stucki <i>A novel human 3D peristaltic simulating Gut-on-Chip platform for predictive testing of new barrier-protecting drug candidates</i> (AiveoIX)
01:50 pm	- KEYNOTE - Josef Penninger (Helmholtz Center for Infection Research) <i>"Human organoids for infection research"</i>	Anna Wolfram <i>Advancing 3R-complying 3D models: Exploiting stem cell models for high-throughput drug efficacy and neurotoxicity screening</i> (Tübingen University)	Torsten Mayr <i>In-line monitoring of oxygen, pH, glucose and lactate in OoC with integrated optical sensors</i> (Graz University of Technology)
02:10 pm		Romina Aspera-Werz <i>A novel human in vitro liver-bone 3D co-culture model for advanced drug toxicity testing</i> (Siegfried Weller Institute Tübingen)	Martin Raasch <i>PDMS-free intestine-on-chip with real-time oxygen monitoring for high-throughput studies</i> (Dynamic42)
02:30 pm		Marianne Carlson <i>Implementing patient-derived in vitro models for translational testing of gene editing therapies for cystic fibrosis</i> (KU Leuven)	- KEYNOTE - Simone Mayer (Karlsruhe Institute of Technology) <i>"Human brain organoids as models of rare neurological disorders as a stepping stone towards personalized medicine"</i>
02:50 pm		André Koch <i>From bench to bedside - Patient-derived culture models in women's health research</i> (Tübingen University)	
03:10 pm		Vincent Knörrschild <i>A human intestinal organ culture model to investigate early inflammatory events in patients with inflammatory bowel disease</i> (Heidelberg University Hospital)	
03:30 pm	Innovation in Organoid Models (Chair: Deborah Kromberg-Versteeg, DZNE Tübingen)		Closing Ceremony
03:50 pm	Stefan Liebau <i>Getting closer to a glance back from the dish – next generation retinal organoids</i> (Tübingen University)	Stella Asmanidou <i>Modeling and treating cetuximab resistance using ex vivo colorectal tumor slices</i> (Stuttgart University)	
04:10 pm	Thomas Korff <i>Human vascular organoids – a simple multifaceted tool for the study of endothelial and smooth muscle cell functions</i> (Heidelberg University)		
04:30 pm	Chantal Allgöwer <i>Single-cell profiling unleashes KRAS-driven redrafting of the tumor microenvironment before cancer onset</i> (University Hospital Ulm)	- KEYNOTE - Daniela Salvatori (Utrecht University) <i>"The power of education for the transition to animal-free innovation: From theory to practice"</i>	
04:50 pm	Nino Käder <i>Development of an automated skin organoid differentiation and generation of an air-liquid interface skin model with OoC</i> (Fraunhofer Translational Center for Regenerative Therapies)		
05:10 pm	Coffee break	Coffee break	
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