- PROGRAM AT A GLANCE -

	Tuesday (May 21, 2024)		Wednesday (May 22, 2024)		Thursday (May 23, 2024)
08:30 am			- KEYNOTE - Marcel Leist		- KEYNOTE -
08:50 am			(CAAT Europe, Konstanz University)		Peter Loskill (Tübingen University, NMI Reutlingen)
		"Devel	opment of non-animal methods for neurodegradation		"Recapitulating complex tissues
09:10 am			research and neurotoxicity assessment"		using OoC and organoid technologies"
09:30 am			Mario Beilmann		Robert Zweigerdt
			MPS for mechanistic toxicity investigations: Example drug-induced liver injury		Human Multi-Tissue Organoids as an
			(Boehringer Ingelheim)		Advanced Teratogenicity Model (Hannover Medical School)
09:50 am			Adrian Roth		(hannover medical school)
			Patient-derived human tissue models supporting precision medicine in clinical drug development		Vivek Thacker
		E.	(Roche)	(t A)	Plenty of room in the middle: MPS models as enabling platforms
10:10 am		ch gelhe	Diana Karwelat Advanced cellular models at Bayer (Pharmaceuticals)	nedical Research Stuttgart University)	to study infections in tissues (Heidelberg University)
		esea Ier In Che)	- Use cases and current challenges	Rese rt Un	Julia Alber
		rial R. shring n, Ro	(Bayer AG)	dical uttgo	Marker-independent real-time imaging of tumor-immune interactions in a microphysiological test system
10:30 am	Satallite Event:	dustı , Boe rman	Coffee break		(NMI Reutlingen)
10:50 am	3R-Network BW Meeting	Use of NAMs in Industrial Research (Chairs: Mario Beilmann, Boehringer Ingelheim & Stefan Kustermann, Roche)	cojjee break	NAM-based Basic Biomedical Research (Chair: Monilola Olayloye, Stuttgart Univers	Coffee break
10:50 am		IAMS Beil Efan I	Gautier Roussignol	ed Bo	Laura Suter-Dick
		e of N Maric & Ste	Human microbrain 3D model for non-clinical neuronal safety	-bas	Multicellular liver microtissues for the
11:10 am		Use airs: I	evaluation at early phase of drug development (Sanofi)	NAM air: N	investigation of liver fibrosis (University Northwestern Switzerland)
		Ś	Terry van Vleet	ġ	Simon Dreher
			Current opportunities and remaining challenges for NAMs impact in pharmaceutical safety assessment		Engineering of contractile and metabolically mature human myotubes and myobundles
11:30 am			(AbbVie)		(Tübingen University)
			Rhiannon Hardwick		Julia Lang
			Onboarding and context of use qualification considerations for GI and liver CIVM/MPS applications in discovery toxicology		Using complex human skin models to study the immunological response to colonization by Staphylococcus species
11:50 am			(Bristol Myers Squibb)		(Karolinska Institutet Stockholm)
12:10 pm					
			Lunch	break	
12:30 pm			Lunch break		
12:50 pm					
			Karilyn E. Sant	_	Stefan Krauss
01:10 pm	Opening Ceremony	sity)	Embryonic and aquatic toxicity of common environmental pollutants: The case for tire tread particles and emerging	hip (OoC) Models Institutet Stockholm)	Promises and challenges of
		e ntal Iniver	coastal mixtures (San Diego State University)	Vode Stocki	microphysiological liver models (Oslo University)
		Application of NAMs for Environmental, Food & Chemical Toxicology air: Madalena Cipriano, Tübingen University)	Ashwin Shah	<mark>Innovation in Organ-on-Chip (OoC) Models</mark> air: Julia Rogal, Karolinska Institutet Stockho	Janick Stucki
01:30 pm		Envir oxico übin <u>ç</u>	Human 3D high-throughput vasculogenesis model for	h ip (C Instit	A novel human 3D peristaltic simulating Gut-on-Chip platform
		s for ical T ino, T	developmental toxicity screening (Leibniz-institute for Polymer Research)	on-C	for predictive testing of new barrier-protecting drug candidates (AlveoliX)
01:50 pm	- KEYNOTE - Josef Penninger	ation of NAMs for Environm Food & Chemical Toxicology adalena Cipriano, Tübingen L	Anna Wolfram	Innovation in Organ-on-C (Chair: Julia Rogal, Karolinska	Torsten Mayr
	(Helmholtz Center for Infection Research)	d & C	Advancing 3R-complying 3D models: Exploiting stem cell models for high-throughput drug efficacy and neurotoxicity screening	in Or gal, K	In-line monitoring of oxygen, pH, glucose and lactate in OoC with integrated optical sensors
	"Human organoids for infection research"	Foo fada	(Tübingen University)	i tion a Roj	(Graz University of Technology)
02:10 pm	injection research		Romina Aspera-Werz A novel human in vitro liver-bone 3D co-culture model for	nove in Juli	Martin Raasch PDMS-free intestine-on-chip with real-time oxygen monitoring for
		App (Chair:	advanced drug toxicity testing	(Chai	high-throughput studies
			(Siegfried Weller Institute Tübingen)		(Dynamic42)
02:30 pm	Stefan Liebau 및 Getting closer to a glance back from the dish		Marianne Carlon Implementing patient-derived in vitro models for		
	Getting closer to a glance back from the dish - next generation retinal organoids (Tübingen University) Thomas Korff	8	translational testing of gene editing therapies for cystic fibrosis		- KEYNOTE -
02:50 pm	(Tübingen University)	Diseases & ne (tlingen)	(KU Leuven)		Simone Mayer
	Thomas Korff		André Koch	"Humar	(Karlsruhe Institute of Technology) brain organoids as models of rare neurological disorders
	$p_{0} = \frac{1}{2} + \frac{1}{2$	Rare Iedici Al Re	From bench to bedside - Patient-derived culture models in women's health research		as a
03:10 pm	(Heidelberg University)	1s for ed N zi, NN	(Tübingen University)		stepping stone towards personalized medicine"
	Processor Processor	Application of NAM's for Rare. Personalized Medicin (Chair: Julia Marzi, NMI Reu	Vincent Knörnschild A human intestinal organ culture model to investigate early		
03:30 pm	tumor microenvironment before cancer onset	on of Perso	inflammatory events in patients with inflammatory bowel disease		
	O O	licati Chair:	(Heidelberg University Hospital)		
	Nina Köder Development of an automated skin organoid differentiation and	App	Stella Asmanidou Modeling and treating cetuximab resistance using		Closing Ceremony
03:50 pm	5 generation of an air-liquid interface skin model with OoC (Fraunhofer Translational Center for Regenerative Therapies)		ex vivo colorectal tumor slices (Stuttgart University)		
			(Stottgart Oniversity)		
04:10 pm	Coffee break		Coffee break		
	Oliver Röhrle				
04:30 pm	In silico modelling: Chances and challenges		- KEYNOTE -		
	(Stuttgart University) 꼽		Daniela Salvatori (Utrecht University)		
04:50 pm	Özlem Vural		"The power of education for the transition to		
	Collem Vural Combining OoC and PK/TD modelling (Bayer AG) Philipp Paulitschke New non-invasive, label-free monitoring approach for 2D and 3D cell culture (Ludwig-Maximilians-University Munich) Huan Yang	(nimal-free innovation: From theory to practice"		
05:10 pm	YIIS U (Bayer AG) 915 U Philipp Paulitschke VIEU New non-invasive, label-free monitoring approach for		- ROUND TABLE -		
	New non-invasive, label-free monitoring approach for 2D and 3D cell culture		Training & Education for NAMs (Chair: Silke Riegger, Tübingen University)		
	(Ludwig-Maximilians-University Munich)		Lucia Selfa Aspiroz		Happening in
05:30 pm	E Huan Yang Quantitative systems modeling integrates in vitro NAMs data and		(European Commission, JRC EURL ECVAM) Sandra Paschkowsky		
	offers mechanistic insights to predict apical findings of human health concerns		(VDI/VDE Innovation + Technik GmbH) Daniela Salvatori		
	(esqLABS)		(Utrecht University)		
05:50 pm					
06:10 pm	Poster Session				
06-20					
06:30 pm 07:30 pm					
08:00 pm	Welcome Reception		Conference Dinner		
08:30 pm 09:00 pm					