THURSDAY	JUNE	12,	2025
10:00-	11:30	ΔN	1

10:00–11:30 AM			
Poster Board Number	Abstract Number	Presenter	Title
		Track 2: MPS for Biomed	ical Research and Disease Modelling
		Theme 2.1: Metabolic d	isorders and endocrine dysfunction
			Modelling diabetic wound pathophysiology using a 3D
100	17	Shivam Sharma	microphysiological system
			Distinct roles of the glycocalyx components in regulating endothelial
102	30	Pimonrat Ketsawatsomkron	functions in a perfused 3D human vessel-on-a-chip
	_		Effects of obesity and weight loss on the vasculogenic potential of
104	34	Amna Adnan	adipose stromal/stem cells in a microphysiological device
106	F.C	NA	Metabolic manipulation of a cardiac spheroid model to mimic
106	56	Marguerite Blignaut	mitochondrial dysfunction associated with obesity
100	63	Kanun ani Shimainu	Assessment of food ingredients using human skeletal muscle MPS:
108	63	Kazunori Shimizu	Quercetin enhances slow myofiber development in vitro
			Fusion of iPSC-derived blood vessel organoids with human pancreatic islets: A first step towards mixed autologous and allogenic vascularized
110	121	Emily Tubbs	islet transplantation?
110	121	Ellilly Tubbs	Effect of neurons and culturing conditions on adipogenic
			differentiation of adipose stromal/stem cells in a 3D microfluidic
112	157	Sini Saarimaa	environment
112	137	Sim Saariinaa	Gellan gum-gelatin-based cardiac models support formation of smooth
114	161	Hanna Vuorenpää	muscle cell-like network rather than vascular network
111		Tiama vaciempaa	Engineered 3D skeletal muscle myobundles with functional vascular
116	194	Ella Lampela	networks
			Retina organoids as an in vitro model for early diabetic retinopathy and
118	346	Beatriz Felgueiras	therapeutic screening
120	424	Esmay Hammink	Islet-on-a-chip: Assessing single pancreatic islet function
			Charting new paths in adipose tissue organoid development via
122	462	Mathilde Cadoux	stromal vascular fraction
			Innovation in static models with microfluidics: A new approach to liver
124	545	Giovanna B. Elias	steatosis modeling
126	561	Maarten S. van Agen	Developing a vascularized islet-on-a-chip model
			Optimizing alginate gel-based protection for liver spheroids in
128	611	Ben Cools	simulated altered gravity experiments
			Development and characterization of an advanced MASH in vitro 3D
130	646	Batuhan Yıldız	human liver co-culture spheroid model
			A novel KCNJ16-depleted kidney organoid model recapitulates the
422	704		disease phenotype and shows lipid restoration upon treatment with
132	701	Elena Sendino Garví	statins
124	704	Canavala Fahi	Modeling enteric hyperoxaluria in a microphysiological system and
134	704	Consuelo Fabi	testing of microbial metabolites as potential protective agents  Evaluation of estrogen's protective effects on intestinal inflammation
136	753	Ana Mora-Boza	utilising stem cell-derived intestinal organoids
130	755	Alla Mola-Boza	utilising stem cen-derived intestinal organious
			AAV capsid variant screen for diabetes research: Building a scalable
138	789	Olivier Frey	methodology for modification of human islet gene expression
100	, 55		Multiparametric screening of MASH clinical candidates in human liver
			spheroids predicts clinical outcomes and reveals potential novel
140	800	Barbel ulmer	combinations for anti-steatotic and anti-fibrotic therapies
			Establishment of a hiPSC-derived vascularized in vitro model of the
142	812	Constantin Berger	endocrine pancreas
			aging in human microphysiological systems closely recreates the in vivo
144	937	Andreas Stahl	process with insights on rejuvenation
			A human liver spheroid model demonstrates the efficacy of anti-
146	961	Claire Bigot	steatotic and anti-fibrotic drug candidates
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Poster Board Number	Abstract Number	Presenter	Title
100,111,001		1 13331133	Transforming Preclinical R&D – AstraZeneca's Hub for Advanced Cell
148	962	Daniela Cornacchia	Models / New Approach Methodologies (ACM/NAMs)
			Biofabricating vascularized liver models: Advancing long-term primary
150	974	Vivien Priebe	hepatocyte cultivation
			High-density bio-CMOS microfluidic platform for high-throughput
152	980	Igor Ivanov	analysis and manipulation of living systems in longevity research
			Development of an iPSC-derived hepatocyte and hepatic stellate cell co-
154	985	Nikolaos Nikolaou	culture model for the study of metabolic-dysfunction associated steatohepatitis (MASH) in vitro
154	965	NIKOIAOS NIKOIAOU	Modelling complex immune processes using tonsil organoids to aid
156	427	Ludovico Buti	drug discovery
130	127		al Research and Disease Modelling
			Organoids on a chip
			Pruning optimization of multi-functional AI models for recognition,
158	238	Zhongze Gu	segmentation, tracking, and classification of intestinal organoids
		Track 2: MPS for Biomedica	al Research and Disease Modelling
			cancer precision medicine
			Vascularized tumor organoid-on-chip model with unidirectional,
160	311	Stéphanie Boder-Pasche	recirculated perfusion
			Translocation of LRP1-targeted carbon nanotubes across the blood-
448	89	Noelia Rubio Carrero	brain barrier in vitro and in vivo
		Track 3: MPS for Effica	cy, ADME and Toxicity Testing
		Theme 3.1 D	Prug efficacy testing
162	60	Ramazan Temizkan	Lab-on-a-chip device (LOC) for determining drug dose response
			Advancing and modulating human heart-forming organoids (HFOs) for
164	80	Felix Kleemiß	drug testing
			MiR-124-3p-enriched exosomes demonstrate therapeutic potential in a
			novel microfluidic triculture model replicating neuron-glia interactions
166	108	Alessandro Polini	in Alzheimer's disease
160	100	lia Wai Yana	A breathing mucociliary-on-a-chip platform for evaluating inhaled
168	189	Jia-Wei Yang	nanomedicine delivery and efficacy in cystic fibrosis  Development of a human skin microphysiological system to investigate
			the impact of therapeutic intervention on vicious cycle of atopic
170	205	Soumya Mitra	dermatitis
270		oodya iviici a	
			Enhanced functional analysis of renal transporters using a proximal
172	235	Cheng Ma	tubule-on-chip model derived from human iPSC kidney organoids
			Automated high-throughput microhistology: Liquid handling and
			acoustofluidic platforms for automated production, maintenance, and
174	321	Epifania Bono	patterning of human osteosarcoma microtissues
			Intensive care unit (ICU) patient-on-a-chip model: Biomimicry for
176	326	Pelin Saglam-Metiner	emulating mast cells and cerebral organoids in neuroinflammation
470	25.4		Exploring the impact of microenvironmental perturbations on non-
178	354	Carlo Kriesi	small cell lung cancer cultures
			Effects on cell viability of gold nanoparticles functionalized with
180	417	Sabina Arias	polyethylene glycol and folic acid on 2D and 3D cell culture of SK-OV-3 in a microchip
100	71/	Janiia Ailas	Microphysiological organ-on-chip models for therapeutic antibody
182	446	Anne-Katrin Bothe	validation and safety testing
102	170	Radini Bodic	Characterization of an integrated platform using sensory neurons as
184	450	Maud Vermeulen	bio-digital sensors for PNS applications
			Automated toxicology screening in a microfluidic, assay-ready adult
			stem cell-derived colon organoid model for evaluating therapy-induced
186	455	Iris Schilt	gastrointestinal toxicity

Poster Board Number	Abstract Number	Presenter	Title
		300 10	High-definition multi-modal heart-on-a-chip platform for cardiotoxicity
188	472	Mar Condor	screening
			An innovative immune-on-chip platform for studying tumor-immune
190	483	Silvia Scaglione	interactions and evaluating novel immunomodulatory therapies
			Efficacy testing of new drug candidates for pulmonary fibrosis using
192	501	Saskia Schmid	AXILD model
			A pilot study investigating the radiosensitization effects of candidate
			anticancer nanoparticles and small molecules: From cell culture to 3D
194	564	Anne Mercier	spheroids
			-Validation of minimally drug-absorbing thermoplastic Chip-R1 Organ-
			Chip consumable for assessment of liver metabolism and predictive
196	579	Randy Daughters	toxicology
198	583	Carlos Mota	Kidney organoids as platform to investigate nephrotoxicity
			The inflammatory response of gastrointestinal epithelial cells using a
200	681	Kaori Takama	scalable microfluidic platform
			Physiological relevance of an NCI-H69AR drug-resistant small cell lung
202	778	Chrisna Gouws	cancer spheroid model during prolonged treatment
224	700		Personalized drug treatment for Crohn's disease through organoid-on-
204	788	Sumin Bian	chips microvascular model and optical biosensors
206	000	l 6	Advancing liver-on-chip model for predictive drug toxicity assessments
206	832	Ji Hye Seo	with dynamic flow conditions
200	0.40	Britana Ballish	Efficacy and off-target toxicity testing of pre-clinical developmental
208	840	Brianna Botlick	compounds in heart-liver microphysiological systems
			To color and the court of the color of the c
			Topology-driven pathway discovery via cross-modal integration of
240	0.75	Fadarias Canta	proteomics and tissue kinetics to unveil complex proteome modulation
210	875	Federica Conte	by inotropic drugs in human 3D engineered cardiac tissue
			Developing a Concentration-Effect Relationship Between Cannabidiol
242	005	Cai Baard	and Stress-Induced Cognitive Dysfunction of Human-Derived Cortical
212	885	Cai Read	Networks
214	002	Calcabi Cara	HepSAFE: a multi-step Al-powered approach to better understand and
214	903	Sakshi Garg	predict Drug-induced Liver Injury (DILI)  Development of iPSC-Derived Human Liver Organoids for Preclinical
216	958	Fong Chong Ban	Drug Testing and Toxicology Studies
210	956	Fong Cheng Pan	Development of MPS device with collagen membrane (ECM-Chip) for
218	964	Shaka Takahayashi	physiological hepatocyte culture
210	904	Shoka Takebayashi	High throughput generation of pancreatic clonal organoids and
			tumoroids in extracellular matrix microbeads: application to toxicity
220	969	Marie Frèrejacques	evaluation of a chemotherapeutic agent
220	909		High-throughput 3D phenotypic and molecular profiling in an open
222	979	Sunghun Cheong	microfluidic platform
222	373	Sungituri Cheorig	high content drug screening based on spatial transcriptomics for high-
224	987	Wooseok Lee	throughput microarray chip
224	367		
			Efficacy, ADME and Toxicity Testing
		Theme 3	3.2 Local and acute toxicity
225	4-7		Correlation of in vitro assays for hepatotoxicity with liver toxicity
226	47	Francesca Moretti	observed in dogs for a small molecule intended for LDL-C lowering
220	F.4	Called day K. Van an	
228	54	Catherine K. Yeung	Mechanistic toxicology of ochratoxin-A in the kidney proximal tubule
			Evolution of days induced conditions in heavy in heavy in heavy
220	0.0	Deilin Versaalii	Evaluation of drug-induced cardiotoxicity via hepatic metabolism in a
230	96	Daiju Yamazaki	liver-heart co-culture system using a modified BioStellarTM plate
232	444	Makia Mulasha Lat	Use of organoids to understand mechanism of drug-induced intestinal
121	111	Katie Kubek-Luck	toxicity

Poster Board Number	Abstract Number	Presenter	Title
			Body-on-a-chip towards neurotoxicity monitoring in environmental
234	115	Mateo G. Vasconez M.	safety and CBRN applications
			A proximal tubule-on-chip model for nephrotoxicity and safety
236	129	Nina Hobi	assessment
			Development of perfusable vascularized devices to mimic the liver
			microenvironment for the evaluation of drug-induced liver injury (DILI)
238	147	Yixin Sun	compounds
240			
		1	Advanced 3D kidney models as alternative to animal-based toxicity
242	196	Larissa Bueno Tofani	assays
244	100	Avalla Dundana	Establishment of rabbit stem cell lines as new approach methodologies
244	198	Axelle Buydens	for developmental toxicity testing
			Utilizing microphysiological systems and machine learning for rapid
246	217	Krysten Jones	neurotoxin exposure detection and countermeasure development
240	217	Krysten Jones	Developing an in vitro platform for accurate prediction of drug-
248	231	Joyce Vriend	mediated liver transport inhibition
2 10		Joyce Vilena	Mitochondrial toxicity testing for drugs and chemicals in hepatocyte-
250	237	Julia Matla	like liver organoids
			HeLLOs: Novel hepatocyte-like liver organoids for liver disease
252	273	Arif Ibrahim Ardisasmita	modeling and drug toxicity prediction
			Characterization of lineage-specific small molecule hematotoxicity
254	278	Lisa Marroquin	using human bone marrow-on-a-chip model
			A high-throughput gut-immune co-culture model that replicates the
256	280	Jarrett Bliton	inflamed gut epithelium with applications in efficacy and toxicity
			Comparative analysis of various CIVMs for liver toxicity assessment:
258	294	Takuma Iguchi	Spheroids, organoids, and liver-on-chip system
			Quantitative evaluation of the thickness of cell-surface mucin layer on
			human crypt-derived differentiated intestinal epithelial cells for the risk
260	303	Shota Fukada	assessment of drug-induced gastrointestinal toxicity
			Positive effects of humoral factors secreted by cultured human
			hepatocytes from humanized liver chimeric mice on the maintenance
		l	of multiple hepatic functions in cryopreserved primary human
262	314	Yuji Ishida	hepatocytes
264	274	A	Qualification of human 3D lung models through predictive correlation
264	374	Muntasir Mamun Majumder	with established in vivo outcomes
			Evolving translation: The use of human and preclinical animal liver microphysiological systems for improved understanding of species-
266	494	Justina Then	specific drug-induced liver injury
200	494	Justina Inen	specific drug-induced liver injury
			Development of an outer retinal blood barrier-on-a-chip for screening
268	565	Kevin Ling	drug bioavailability, toxicity, and barrier disruption potential
200	303		Improving the stability and reproducibility of clinical neurotoxicity
			predictions from a high-throughput compatible neural organoid
270	574	Andrew LaCroix	platform
=: •			Engineered human skeletal muscle myobundles illuminate potential
272	598	George Truskey	chemical toxicity
		<u> </u>	3D bioprinted human vascularized liver MPS for drug-induced liver
274	606	Taci Pereira	injury assessment
			Immune-competent liver-on-chip model for the assessment of immune-
276	609	Dimitrios Bitounis	related DILI
			Development of a triple cell co-culture spheroid model for cholestatic
278	616	Julen Sanz-Serrano	drug-induced liver injury prediction
			Intestinal organoids for evaluating drug-induced intestinal toxicity
280	617	Ferran Jardi	employing high-dimensional readouts

Poster Board Number	Abstract Number	Presenter	Title
		113331133	Full-thickness skin-on-chip model integrated with graphene-based
282	663	Samantha Costa	biosensors for nanotoxicity assessment
			uHeart: A human 3D beating heart-on-chip platform predicting drug-
284	685	Roberta Visone	induced cardiac contractility alterations
286	691	Andres Tabernilla	Exploring the potential short-term and long-term hepatotoxic effects of polystyrene microplastics using 3D human liver spheroid cultures
200	091	Allules labellilla	Qualification of human lung alveolus-chip for preclinical safety
			assessment of an antibody-drug conjugate with a patient-specific risk
288	724	Luke Coyle	factor
			Investigating brake wear particle toxicity using an advanced lung
290	748	Marta Ripamonti	alveolar model
			An in vitro rat epididymis organoid model to investigate in vivo
292	759	Axel Vicart	vacuolation findings of a drug candidate
204	700	Arturs Abols	Evaluation of tamoxifen effects on gut stem cells using a vascularized
294	790	Arturs Abois	colon-on-chip model derived from primary cells
296	797	Harman Chaggar	Human organoid lines for modelling intestinal epithelial barrier in vitro
230	,,,,	Trainian Chappan	Characterization and toxicological evaluation of atrial and ventricular
298	799	Alberto Mantegazza	3D models in a beating heart-on-chip platform
			Species-specific liver microtissues: A set of microphysiological systems
300	802	Jan Lichtenberg	to assess translational hepatotoxicity in drug development
	004		Development of a liver spheroid-based toxicity test as an alternative to
302	824	Ana Carolina Migliorini Figueira	animal testing
304	834	Vânia Vilas-Boas	Effects of silver nanoparticles on barrier function and health: Studies on a new triculture model of the human lung barrier
304	834	Vallia Vilas-Boas	on a new triculture moder of the number rang partier
			Evaluation of drug-induced effects on neuronal oscillations,
			mutlielectrode arrays and seizure risk in human induced pluripotent
306	940	Mohamed Kreir	stem cell derived neuronal 2D and 3D (spheroid) cultures
			New approach method (NAM) for predictive genotoxicity using a
450	86	Annie Hamel	microphysiological system (MPS)
			cy, ADME and Toxicity Testing
		Theme 3.3: Syste	emic and chronic toxicity
200	50		Human placental microphysiological system derived from trophoblast
308	58	Liu Haitao	stem cells for nanotoxicity assessment  3D scaffold-based steroidogenesis models for male reproductive
310	102	Eliška Řehůřková	toxicology
310	102	Eliska Kellarkova	Evaluation of cytokine release induced by antibodies using a vascular-
312	150	Seiichiro Kurashige	on-a-chip system
			Integration of humanized in vitro bone marrow MPS data with QST
			haematotoxicity model predicts safer clinical haematological profile for
			AstraZeneca's PRMT5 inhibitor AZD3470, compared with first
314	165	Natacha Bohin	generation PRMT5 inhibitor
246	101	Tossa Hagans	Establishing a quantitative and advanced in vitro test system to
316	191	Tessa Hagens	evaluate chemical-induced liver fibrosis  Development of a hollow fiber membrane-based blood-brain barrier-
318	233	Quentin Faucher	on-chip model to study the kidney-brain axis
310		Quentin Fuderici	and the stady the Maney brain and
			Hepatotoxicity evaluation in repeated doses using on-chip perfusion
320	307	Ke Hu	MPS (BioStellar™ Plate) with membrane-based direct oxygenation
			Current advances and challenges in MPS and 3D models for
322	456	Carol De Santis	cardiovascular safety applications
	00.1	TI : DI -	Microphysiological rat testis-liver co-culture model for investigating
324	621	Thi Phuong Tao	steroid hormone disruption

Poster Board	Abstract	Dunantan	Tialo
Number	Number	Presenter	Title Optimization of the drug-induced cholestasis index based on advanced
326	633	Annika Drees	modeling for predicting liver toxicity
320	033	Allina Diees	An update of the evolving role of investigative toxicology in the
328	737	Jean-Pierre Valentin	pharmaceutical industry
323	,,,	Jean Fierre Valentin	HepaRGTM cells in microphysiological systems: A practical tool for food
330	752	Emma Arnesdotter	safety research
			Kidney microphysiological system for safety de-risking of antisense
332	773	Andre Lopes Rodrigues	oligonucleotide candidates during pre-clinical development
			Microphysiological human-on-a-chip model of chronic opioid overdose
334	780	Aakash Patel	rescue efficacy and off-target toxicity
336	795	Laeticia Perez	New in vitro model to classify poorly soluble low toxicity particles
			Liver-on-chip: Advancing toxicology studies for early prediction of DILI
338	833	Shweta Bendre	in different species
		Track 3: MPS for Ef	fficacy, ADME and Toxicity Testing
		Theme 3.4: P	harmaco- and toxicokinetics
			Digesting colonic drug disposition using a novel human organotypic
340	24	Pedro G.M. Canhão	colon in vitro microtissue
			Combining a primary gut/liver MPS with mathematical modelling for a
			mechanistic understanding of midazolam's ADME profile and oral
342	66	Yassen Abbas	bioavailability
			High-sensitivity LC-MS/MS method for antibody quantification in blood-
			brain barrier receptor-mediated transcytosis evaluation with iPSC-
344	94	Takeshi Sakura	derived brain microvascular endothelial cells
			Optimizing sampling strategies in organ-on-chip systems for improved
346	119	Behnam Amiri	preclinical pharmacokinetic studies
			Development of nonclinical species-based in vitro model systems to
348	137	Antonio Varone	support drug-induced skeletal muscle toxicity risk assessment
			Human intestinal spheroid-based serotonin release assay for predicting
350	140	Yoshiki Hashimoto	drug-induced emesis
352	178	Sepand Bafti	Establishment of a BBB chip model for different applications
			Validating in vitro brain barrier models for assessing transport and
354	200	Sarah Barron	clearance of novel drug modalities across the brain
		1	
356	204	Alexandre Martins	Development of a 3D-printed liver-on-chip with a low-binding polymer
250	252	ļ	Development of a brain organoid-on-chip platform for neurotoxicity
358	253	Laura Ejarque	testing Characteristics of burners intention leads and derived differentiated
260	207	Himmore in the company	Characterization of human intestinal spheroid-derived differentiated
360	297	Hiroyuki Kusuhara	cells for ADME studies
			Prediction of human enterohepatic circulation of drugs based on
362	308	Yang Liang	advanced in vitro cultivation systems and pharmacokinetic modeling
302	308	Tang Liang	Evaluation of a hiPSC-derived blood-brain barrier-on-chip model to
364	407	Benoit Cox	study brain exposure of small molecules
304	407	Benote cox	Evaluation of a gut-liver-on-chip system as an alternative to current
366	419	Fahd Tibourtine	static in vitro models
368	443	Fumiya Tokito	A novel in vitro liver culture system for continuous bile collection
333		i annya renice	
			Development of a blood-brain barrier model using iPSC-derived brain
			microvascular endothelial cells in a pressure-driven biomimetic system
370	447	Shinji Sugiura	for evaluation of drug permeability across the blood-brain barrier
372	451	Osvaldo Beltran Osuna	Organ-on-a-chip systems for the evaluation of nanoplatforms
			A dynamic double-flow gut-on-chip model for predictive absorption
374	481	Gergo Borka	studies in vitro
		-	Microfluidic liver chip for the prediction of complex drug-drug
376	514	Lina Mettler	interactions in humans
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Poster Board	Abstract		
Number	Number	Presenter	Title
270	F.C.3	Me alidia Cida Lambi	Characterization of a novel in vitro human blood-brain barrier-on-a-
378	562	Khadidja Side Larbi	chip model in order to validate its use in drug development  Optimization of a 3D microfluidic renal proximal tubule-on-a-chip
380	625	Shinyoung Kim	system for nephrotoxicity assessment
300	023		system for nephrotoxicity assessment
			Modeling the liver-kidney axis: A dual-organ-on-chip approach for
382	668	lsy Petit	studying membrane transporter-mediated drug disposition and toxicity
			Optimizing and validating 3D primary human hepatocyte spheroid
384	713	Christina Hunkeler	monoculture and co-culture models of drug-induced liver injury (DILI)
			Comparing 3D spheroid drug-induced liver injury (DILI) toxicology
			models derived from a human hepatocyte cell line, primary human
	=4.4		hepatocytes in monoculture, and primary human hepatocytes in co-
386	714	Ivana Cervenova	culture with non-parenchymal cells
388	742	Evita van de Steed	Advancing drug development with standardized and scalable gut-liver microphysiological systems
300	742	Evita van de Steeg	Enhancing in vitro evaluation of renal drug metabolism/transport and
			toxicity using 3D cultured renal proximal tubular epithelial cells
390	757	Naoki Ishiguro	(RPTECs)
330		Track isingare	BiostellarTM plate-based gut-liver microphysiological system (MPS) to
392	774	Kenta Shinha	predict bioavailability
			Liver chip: Non-invasive multiparametric optical sensing approaches for
394	786	Madalena Cipriano	mechanistic hepatotoxicity studies
			Pharmacokinetic-pharmacodynamic modeling of stress relieving
396	856	Christopher Long	properties of Echinacea purpurea in a multi-organ human-on-a-chip
200	002	El'anhauta O'll	Application of a Discussion and Intentional Enithalisms for DNADK at adias
398	892	Elisabeth Gill	Application of a Bioengineered Intestinal Epithelium for DMPK studies
			Establishment of a novel in vitro biliary excretion assessment model
400	934	Daichi Onozato	using human CLiPs-derived bile ducts co-cultured with HepaSH cells
			multiplexed microplate-based superfusion and drug dosing system for
402	951	Xumei Gao	pharmacokinetic profile emulation
			iPSC-derived human small intestinal organoids as a scalable model for
404	973	Shashi Tiwari	drug metabolism and toxicology studies
		Track 3: MPS for Effi	cacy, ADME and Toxicity Testing
		Theme 3.5	: Cell and gene therapy
			A liver microphysiological system to study the delivery and efficacy of
406	53	Oliver Culley	oligonucleotide-based therapeutics
	_		Liver-on-a-chip microfluidic devices: An in vitro model for therapeutics
408	263	Alejandro Ogando	using biomimetic nanoparticles as carriers
440	252	A control 2 d at	Exploring the role of macrophages in modulating transfection efficiency
410	359	Aanchal Mathur	using 3D chip models
412	373	Samantha Marán Bas	3D models of microencapsulated human liver cell pools through
412	3/3	Samantha Morón-Ros	bioprinting  Mesenchymal stromal cell rejuvenation by iPSC reprogramming and
			redifferentiation decreases their angiogenic potential in a
414	544	Julian Gonzalez-Rubio	vascularization-on-a-chip platform
	<u> </u>	Table Control (1880)	Analysis of hydrogel cell therapy efficacy for inflammatory bowel
416	651	Julia Mantaj	disease on a gut-chip system
		,	Multi-cellular liver in vitro platform for predicting pharmacological and
418	857	Murat Cirit	toxicological effects of gene therapy products
			Next-generation neurotherapeutics: integrating microfluidics and
420	968	Ana Spencer	targeted nanoparticles

Poster Board	Abstract				
Number	Number	Presenter	Title		
	Track 3: MPS for Efficacy, ADME and Toxicity Testing				
		Theme 3.6: Dru	g discovery for precision medicine		
			Development of an open-top microfluidic platform for tumor spheroid		
422	112	Soheila Zeinali	vascularization and drug testing		
			Why do drugs keep failing? A systematic analysis of drug failure rates		
424	124	Dilyana Filipova	from 1963 to 2017		
426	132	Lauriane Cabone	Evaluating immunotherapy toxicity with a patient-derived lung-on-chip		
			Development and quality control validation of a renal microphysiology		
428	153	Minseong Kim	system utilizing thermoplastic polymers		
			Advancing tissue-engineered muscle models: High-throughput and		
430	530	Alessandro Iuliano	automation of the Cuore smartlid platform		
			Pharmacological validation of a novel BBB-on-chip using an engineered		
432	588	Chiara Diacci	silicon micromesh MEA chip		
			A plug-and-play μFluidic Adaptor: Transforming standard well plates		
434	761	De Korte Tessa	into dynamic microphysiological systems		
436	864	Cherry Gupta	A 3D in vitro model of the blood-nerve barrier		
			A Human-on-a-Chip® platform for personalized prediction of cancer		
438	869	Nathan Post	treatment efficacy and toxicity		
			Leveraging flow cytometry continuous data for drug impact analysis in		
440	870	Freya Woods	a bone marrow-on-a-chip system		
			Choosing and Validating Assay Systems to Interrogate 3D Cell Culture		
442	920	Lindsay Mesure	Models		
444	946	Jure Fabjan	ML-based enhancement of mechanistic models using OMIC data		
			End-to-End Automated Organoid Screening Platform: Application in		
446	970	Lucile Mercier	Breast Cancer Drug Screening		
			The vascularized Gravity-driven Organ Chip Duo (GO-Chip Duo): the		
448	993	Christopher Hughes	versatile microphysiological system for complex system modeling		