

Adamska, Patrycja		
Cardiac microtissue model reveals IL-17A-induced vascular effects and therapeutic impact of Secukinumab in psoriasis	41	
Aigner, Denise		
Primate-specific miRNAs in human neurodevelopment	42	
Albertini, Silvia		
A multi-omics analysis of Merkel cell polyomavirus infection and persistence in human hair-bearing skin organoids	43	
Alonso-Alvarez, Pedro		
Development of lung organoids for disease modeling	44	
Amari, Aisha	Presenter: Boder, Philipp	
Perlecan-conjugated laminin fragment as a next-generation culture substrate for human pluripotent stem cells	45	
Andersson Rolf, Amanda		
Long-term in vitro expansion of a human tri-potent fetal pancreas stem cell	46	
Anijs, Midas		
Investigating remyelination failure in multiple sclerosis using patient-derived myelinoids	47	
Annunziata, Chiara		
Biofunctionalized Biosilk as tissue-specific structural 3D-microfibers for generation of physiologically relevant tissue models	48	
Apsley, Elizabeth		
Profiling human choroid plexus organoid maturation and response to acute mechanical injury	49	
Aqeilan, Rami		
Epilepsy in a dish: using neural organoids for studying developmental epileptic encephalopathy and gene therapy	50	
Asplund, Annika		
Enhanced functional performance of hepatic organoids compared to conventional 2D stem cell-derived hepatocytes	51	

Auxillos, Jamie

Modelling senescence propagation using mosaic human cerebral organoids 52

Balaguer Trias, Jordina

Induction of hepatic steatosis in liver organoids: evaluation of the effect of a steatosis inhibitor 53

Becher, Erik

In-depth characterization of lung organoids: an imaging-multi-omics approach 54

Belharazem, Djeda

homoGel®: A novel, versatile organ-specific ECM derived from human tissue for advanced cellular research 55

Bhattacharjee, Rudrarup

Modelling Rubinstein-Taybi epigenetic neurodevelopmental disorder to develop new therapeutic strategies 56

Bianchini, Luca

Modelling sex bias and tumor initiation of group 3 and group 4 medulloblastoma in human cerebellar organoids 57

Bimbi, Giorgia

Modeling fibrosis and inflammation hallmarks in human DMD organoids for targeted screening 58

Birket, Matthew

Modelling the lysosomal storage disorder Fabry Disease using patient-derived iPSCs and cardiac microtissues 59

Blümel, Sarah

Presenter: Fey, Christina

3D immune cell-enhanced small intestinal mucosa in vitro models of chronic inflammatory bowel disease 60

Boggian, Alessandra

Insulin-driven glucose metabolism as a key regulator in fetal lung cell differentiation 61

Bou Akar, Reem			
Ultrarare CACNA1S congenital-myopathies treatment through hiPSC-based drug repurposing	pharmacological	62	
Brienza, Chiara			
Overcoming resistance in BRAF/MEKi melanoma therapy using a melanoma PDOs high-throughput method		63	
Brown, Paris			
Organoid-on-a-chip for dissecting age- and cytokine-driven neurovascular dysfunction		64	
Buñi, Alexandro Angelo			
Cell line-based, immunocompetent human neurospheroids as an accessible and reproducible in vitro platform for modelling brain pathophysiology		65	
Bustamante Madrid, Pilar	Presenter: Rodríguez Marrero, Silvia		
Vitamin D opposes multilineage cell differentiation in human colon organoids		66	
Camenisch, Selina			
GliaMimic: an in vitro multidimensional drug assessment tool for personalized prediction of drug response and resistance in glioblastoma organoids		67	
Candeli, Noah			
A robust ex vivo system to study cellular dynamics and development of human pulmonary NE cells		68	
Caracci, Mario			
Distinct temporal requirements of EGF regulates intestinal crypt growth and differentiation		69	
Castillo, Ángela			
Modeling neurodegeneration through D-galactose-driven senescence in human iPSCs-derived cerebral organoids: a promising platform for drug screening		70	
Celiker, Canan	Presenter: Barta, Tomas		
Light as a differentiation cue: Patterned photostimulation boosts retinal organoid maturation		71	

Celiker, Canan

Patient-specific iPSC-derived multiocular/corneal organoids as a platform for anterior segment dysgenesis research 72

Chan, Jenny Ching Man

Evaluation of the effects of cigarette smoke on normal and diseased airway organoids derived from CCAM/CPAM paediatric patients 73

Chen, Bowen

Shaping the ear: exploring physical and mechanical cues 74

Chen, Tanysha

Modelling subtype-specific gastric cancer using patient-derived organoids (PDOs) in microphysiological systems 75

Chen, Zexin

Patient-derived ovarian cancer organoids predict clinical platinum resistance and guide drug screening against tumor stem cells 76

Chiu, Yen-Chi

Presenter: Alves, Marco P.

Human neural organoids establish plasminogen activator inhibitor-1 as a regulator of Zika virus infection 77

Chmielewska, Aleksandra Janina

Modelling canine-specific drug toxicity: a microfluidic organoid-on-chip approach to paracetamol safety 78

Ciarpella, Francesca

A mouse cerebral organoid model to study the contribution of T3 hormone to neurodevelopment 79

Cuenca, Marina

Deciphering the role of PNECs in airway architecture 80

Daher, Ugarit

Presenter: Fernandez-Vallone, Valeria

An autologous human pluripotent stem cell derived 3D organoid infection model for preclinical testing of antiviral T cells 81

Dawka, Sagarika	
Developing complex human liver organoids to investigate the cellular crosstalk between the epithelia and stromal niche	82
de Molière, Florian	
Analysis of 3D cell nucleus morphology in patient-derived gastroesophageal cancer organoids to predict clinical course	84
de Oliveira, Natália Heloísa	
Modeling early human neurogenesis using three-dimensional bioprinted induced pluripotent stem cells	85
De, Priyasha	
Rapid matrix-free development of human iPSC-derived vascular organoids to model pulmonary vascular diseases caused due to intrinsic and extrinsic factors	83
Dela Cruz, Sam Ezrael	
Investigating the role of BAF chromatin remodeling complexes in intestinal homeostasis and colorectal cancer using organoids	86
Di Palma, Rosita	Presenter: Brancaccio, Mariarita
Unveiling a fibrotic signaling pathway in 3D IPF model: functional insights into miR-143-3p and AGR2	87
Di Palma, Rosita	
Modeling idiopathic pulmonary fibrosis in 3D: human lung alveospheres as a platform for RNA-based therapeutic testing	88
Di Paola, Floriana Jessica	
Simultaneous suppression of the PI3K/mTOR pathway and Wnt/β-catenin signalling in APC-driven colorectal carcinogenesis	89
Dilshat, Ramile	
Modeling gene regulation in the human embryonic heart with organoids	90
Dimou, Rebecca	
Establishing a high-throughput phenotypic drug discovery platform using patient-derived colorectal cancer organoids	91

Dokuzluoglu, Zeynep		
SMN deficiency disrupts lineage specification in neuromesodermal progenitors revealed by a human neuromuscular organoid model of SMA		92
Donà, Federico	Presenter: Bruzzi, Michela	
Tissue specific mechanisms maintain epithelial integrity of intestinal crypts upon division misorientation		93
Dos Santos, Nilton José		
Establishment and characterization of patient-derived prostate cancer organoids for pre-clinical study		94
Dreimann, Julia		
Development of a 2D multiplex image segmentation pipeline for lung organoids		95
Dubrovskaya, Hanna		
Functional characterization of forebrain and hippocampal-like brain organoids shows differences in neuronal activity and plasticity		96
Dupont, Jean-Baptiste		
Engineered muscle tissues with enhanced maturation for preclinical gene therapy		97
Dutta, Tanmoy		
Di-lineage liver organoids from human donors recapitulate steatotic liver disease		98
Erboga, Hülya		
Modeling lacrimal gland morphogenesis in microfluidic system with embryonic stem cell-derived organoids		99
Fanutza, Tomas		
Electrophysiological and molecular characterization of functional neural networks in cerebral organoids		100
Fawzi, Tamara		
In vitro modelling of matrix cues in inflammatory bowel disease		101

Fedorenko, Alisa	
Investigating the role of RP2 gene in retinitis pigmentosa	102
Ferrer-Lorente, Raquel	
Hyperpolarized magnetic resonance imaging for real-time metabolic evaluation of patient-derived liver biopsy organoids	103
Fischer, Mara	
Limited TLR2 responsiveness of lung epithelial cells highlights the role of alveolar macrophages in bacterial recognition	104
Fløtre, Oda	
Capturing cervical cancer diversity: patient-derived organoid models for preclinical drug testing	105
Fojtík, Petr	
ApoE4 and elevated ROS levels disrupt early neural development in human neural organoids	106
Frison, Roberta	
Exploiting nascent pluripotency and three-dimensional morphogenesis to generate patient-specific brain organoids for fragile x syndrome	107
Gagliotta, Salvatore	
The role of TFEB in kidney pathogenesis in Tuberous Sclerosis Complex: insights from human kidney organoids	108
García González, Andrea	
Unravelling the interplay between genetics and inflammation in the formation of lung neuroendocrine cancer	109
Genbrugge, Lukas	
Modeling the choroid plexus–neural stem cell axis in neurodevelopmental disorders using choroid plexus organoids	110
Gnjatovic, Jelena	
Development of patient-derived lymphoma organoid model for long-term drug response evaluation	111

González Garnacho, Irene

Towards a novel human model of propionic acidemia using brain organoids from PCCA and PCCB knockout iPSCs 112

Grassi, Lara

Establishment of a human urothelial model for live cell imaging and as biomimetic platform to screen for novel antimicrobials 113

Greatorex, Spencer

Presenter: Jarde, Thierry

Pro-oncogenic reprogramming of fibroblasts by Apc mutant epithelial cells supports intestinal tumour initiation and growth 114

Green Jenkinson, Joshua

The regulatory role of central carbon metabolism during liver development and regeneration 115

Groen, Eline

Human iPSC-derived cardiac organoids incorporating macrophages reveal inflammation-induced physiological alterations 116

Grommisch, David

Spatiotemporal control of vesicular trafficking to reveal split Golgi function during gut homeostasis and age 117

Günther, Patrick

Vascularization of human cortical organoids in 3D synthetic hydrogels 118

Gupta, Pallavi

Creating a micro-exon splicing map of early human brain development with genetically engineered pluripotent stem cell derived brain organoids 119

Hajdó, Szabolcs

Presenter: Hajdó, Szabolcs; Wiener, Zoltán

Exploring the colorectal cancer microenvironment with patient-derived organoids in advanced co-culture systems 120

Harnischfeger, Nadja

Modelling oral cancer heterogeneity and drug resistance using patient-derived organoids 121

Harris, Chloe

Replacing mouse models with an animal-free CRC organoid-T cell platform for immunotherapy research 122

Harrison, Sean

Enhanced liver organoid differentiation induces hepatic nuclear receptors resulting in improved functions while decreasing stellate cell activation 123

Hayashi, Masafumi

Species-specific heart rates are driven by cell-autonomous mechanisms in induced sinoatrial node cells 124

Hershey, Benjamin

A high-throughput platform using 3D-hepatocyte cultures embedded with tumour cells enables rapid screening of hepatocytes-specific determinants of cancer cell fitness 125

Hong, Sin-hyoung

Visualization and analysis of live organoid dynamics via label-free 3D high-resolution imaging with low-coherence holotomography 126

Htwe, Su Su

A combinatorial 3D bead-based screening platform for the discovery of complex niche signals in organoid development 127

Huh, Yubeen

Optimized decellularization ensures structural integrity for functional intestinal platforms 128

Issa, Rahaf

Presenter: Vranic, Sandra

Assessment of nanoplastic toxicity using human lung organoids enriched with macrophages 129

Jeandriens, Jérôme

Unravelling the role of the VIP pathway in homeostasis of the colonic mucosa using adult stem cell derived organoids as a model 130

Jeon, Sojeong

A chemically inducible piggybac-based overexpression platform in human pluripotent stem cells 131

Jeong, Youngtae

Identification of human uterine cervical stem cells and the role of microbial metabolite 132

Jüngen, Heleen

Using patient-derived tumor organoids to uncover the progression pathways of pulmonary neuroendocrine cancers 133

Kahveci, Burak

Generation of a retinohypothalamic tract model using retina-hypothalamus assembloids: elucidating blue light-driven neuropeptide signaling for circadian rhythm analysis 134

Kälvälä, Sara

Insight into the molecular and cellular mechanisms of neurodegeneration caused by the novel alpha-synuclein A53E mutation 135

Karpiyevich, Maryia

Automated high-throughput endometrial organoid plating in 100% matrigel using firefly® 136

Kaysan, Leon

Modeling radiation-induced neurotoxicity in human cerebral organoids 137

Kessler, Sandra

Dissecting the function of the autism risk gene MYT1L in neurogenesis using human cortical organoids and single-cell multiomics 138

Kim, Namwoog	
Prediction of zoonotic virus-host transmissibility using comparative airway organoids	139
Kiss, Aletta Kata	
Modeling pressure-mediated pancreatic inflammatory mechanisms using human apical-out organoids	140
Kochina, Evgeniya	
Electrophysiological evaluation of salivary gland barrier and transport properties	141
Kohl, Katharina	
The transcription factor FOXA2 is a key regulator of gastric foveolar cell differentiation	142
Kondrashkina, Aleksandra	
Modelling a great-ape specific THRB expression with cerebellar organoids	143
Kretschmer, Maibritt	
Stiffness as a regulatory cue: cell-matrix influences in 2D and 3D cultures	144
Krishna, Sachi	
Spatial transcriptomics allow for genetic background identification and characterization of cell-cell interactions in brain chimeroids	145
Kriwanek, Sophia Theresa	
An integrative approach to drug response prediction in advanced hepatocellular carcinoma using patient-derived models	146
Kumar, Nithyapriya	
Time-resolved scRNA-seq identifies limits in colonic epithelial de-differentiation	147
Kuodyte, Karolina	
Human pluripotent stem cell-derived pancreatic acinar organoids: a model to study pancreatic development and PDAC initiation	148

Küstner, Merle

Micro cavities for the scalable production of filament induced brain organoids 149

KWON, MINSOO

Stroma reconstructed tumoroid model reveals kras g12d allele specific variant driven immune evasion in pancreatic ductal adenocarcinoma 150

Kwon, Ohman

Establishment of chemically-defined 2D culture system for human intestinal stem cells derived from human 3D intestinal organoids 151

Lahmann, Ines

Human neuromuscular organoids model spinal muscular atrophy 152

Laudato, Gloria

Modeling DiseaseCTC-derived organoids: a new frontier in precision oncology and metastatic biology in ovarian cancer 153

Lazar, Josef

Ultrafast confocal microscopy for 3D imaging of organoids 154

Lecours, Mia

A heterogeneous patient-derived tumoroids biobank: a platform to decipher cancer complexity 155

Lee, Daniel Ming-Kang

PRC2 safeguards ontogeny by restricting stochastic lineage commitment in post-implantation embryos 156

Lee, Youngsun

A quantitative platform for assessing pulmonary toxicity using alveolar organoids 157

Leibrock, Joshua

Systematic characterization of morphometric and biophysical properties in human organoids harbouring crc mutations 158

Letourneur, Diane

Mouse intestinal organoids as a model to investigate contribution of the Escherichia coli CNF1 toxin in colorectal cancer development 159

Liput, Michal

nFGFR1 influences mitochondrial dynamics and neural differentiation during early development of hiPSC-derived cortical organoids 160

Longo, Viviana

Identification of stem cell-specific markers for the molecular characterization of human adult gastric stem cells 161

Lootsma, Gorrit-Cor

Establishing a novel 3D organoid infection model to study dengue virus infection 162

López-Amo Calvo, Beatriz

Cellular plasticity and replenishment capacity in human cortical organoids 163

Lucidi, Benedetta

Dorsal forebrain organoids develop mature neuronal networks with spontaneous functionality and responsiveness to electrical stimuli 164

Madacsy, Tamara

Evaluating methylene blue in organoid-based models of alcoholic pancreatitis and alcohol-induced hepatitis 165

Mansour, Abed A.

Chimeric neuroimmune organoid platform to study human microglia phenotypes in health and disease 166

Manzi, Malena

Unraveling experimental design challenges in metabolic studies of patient-derived organoids and tumor-infiltrating lymphocytes co-culture for metastatic colorectal cancer research 167

Marco Gimenez, Andres

Mapping gene-environment interactions driving Small Cell Lung Cancer (SCLC) initiation in human airway organoids 168

Mary, Heloise

Advancing organoid phenotyping through automation and high-throughput screening 169

Medouni, Anaïs

Multicellular cardiac microtissues model RASopathy-associated hypertrophic cardiomyopathy 170

Meerts, Romane

Transactivator promoter identity dictates efficient temporal transgene expression in lentiviral dual Tet-On systems in mouse intestinal organoids 171

Mercier, Lucile

Presenter: Savagner, Pierre

End-to-end automated organoid screening platform: application in breast cancer drug screening 172

Meteling, Marieke

Cell fate is programmed in 3D microenvironments via altered intracellular crowding 173

Micati, Diana

Organoid-based modelling of intestinal inflammation reveals NRG1 as a key regulator of epithelial repair 174

Milani, Celeste

RNA delivery and translation assessment in 3D models: from spheroids to organoids using splitGFP-based delivery sensor (SPLIDS) 175

Molina Gambin, Francisco

Elucidating the molecular mechanisms of Bardet-Biedl Syndrome using retinal models 176

Moll Diaz, Raquel

A lung organoid model to study oxidative stress and inflammation in pulmonary diseases 177

Moos, Franziska	Presenter: Boni, Andrea	
Open top multi sample dual view light sheet microscope for live imaging of large multicellular systems		178
Moretto, Elena	Presenter: Lauriola, Antonella	
Studies on the role of stemness and plasticity in 3D models of rare peritoneal metastases		179
Mukamel, Zohar		
Towards a human pluripotent stem cell model of primitive gut formation		180
Mun, Siwon		
Tumor organoid-stroma co-culture model for elucidating HER2 status-dependent drug resistance in gastric cancer		181
Muñoz Nava, Luis Manuel		
Establishment of a space-time inducible KRasG12V oncoprotein activity in mouse intestinal organoids		182
Myeong, Jihyeon		
Microbial metabolites control self-renewal and precancerous progression of human cervical stem cells		183
Nadernezhad, Ali		
Programming cell state transitions in pancreatic cancer organoids using synthetic matrix cues		184
Nakayama, Shogo		
Self-organized haptotaxis generates the periodic structure of tracheal cartilage		185
Nassari, Sonya		
Integrating patient-derived tumoroids and advanced technologies to decrypt cancer		186
Niksic, Armin		
Cell-cell interactions driving biliary fibrosis: insights from mouse periportal liver assembloids		187

Poppa, Martina

Bilaterally accessible micropatterned scaffolds enable intestinal in vitro cultures to evaluate cellular response to pharmaceuticals 188

Qasim, Muhammad

Organoid development from the endometrium of dogs 189

Quintard, Clement

Presenter: Tubbs, Emily

A microfluidic platform integrating functional vascularized organoids-on-chip 190

Raabe, Tobias

Lipid nanoparticles enable efficient cell type specific gene targeting in a MASH patient liver derived organoid based fibrosis model 191

Ratcliffe, Colin

Multimodal profiling unveils a reversible basal-like breast cancer cell state resistant to AKT inhibition 192

Rausch, Timon

Liver organoids to study the tipping point from liver cirrhosis towards the development of hepatocellular carcinoma 193

Rodríguez, Adrián R.

Engineering scaffolds for pancreatic cancer organoids culture 194

Rossell, Carla

Patient-derived organoids enable disease modeling and personalized therapy for Pleural Mesothelioma 195

Rostami, Sabra

Understanding Matrigel mechanics during midbrain organoid growth 196

Ryu, Jeyoung

Presenter: Park, Gwanghyun

Co-Culture system for studying neuro-inflammation pathology with iPSC derived cerebral organoid and microglia 197

Sainger, Saloni

Next-generation human pluripotent stem cells-derived in vitro platforms for metabolic dysfunction-associated steatotic liver disease modelling and therapeutic discovery 198

Schierhorn, Kristina

Genetically engineered iPSC-derived cerebral organoids support arbovirus infection and present distinct cellular IFN-response patterns 199

Schiering, Katharina

Presenter: Schiering, Katharina; Zaayenga, Annika

JC-Polyomavirus infection of cerebral organoids 200

Schmäche, Tim

Modeling therapy response and tumor evolution in esophago-gastric cancer using patient-derived organoids 201

Schmidhofer, Kristina

Tiny guts, big impact: Functional assessment of bacterial toxicity using canine intestinal organoids 202

Schollmeyer, Lena

Optimization of intra-hepatic cholangiocyte organoid transfection 203

Schreiber, Megan

Understanding HNF1B function and dysfunction with human kidney organoid models 204

Schwarzpaul, Julia

Presenter: Haslinger, Denise

Inhibition of the 16p11.2 protein QPRT leads to altered cell type ratios in human stem cell-derived cerebral organoids 205

Sedeuil, Molly

Presenter: Giroux, Veronique

Establishment of organoid models to study the interactions between cancer stem cells and the microenvironment in colon cancer during 5-FU treatment 206

Senoglu, Ezgi

Elucidating the molecular mechanisms underlying altered brain development in Kabuki Syndrome 207

Severino, Jacqueline

A collection of human fetal airway organoids for the characterization of pulmonary neuroendocrine cells in pulmonary biology and pathology. 208

Shafiei Roudbari, Seyedeh Khadijeh

Automated toxicology screening in a microfluidic, assay-ready adult stem cell-derived colon organoid model for evaluating therapy-induced gastrointestinal toxicity 209

Silva, Teresa

ECM defects contribute to impaired apical maintenance and VZ integrity in TS21 hindbrain organoids 210

Simmini, Salvatore

STEMdiff™ Skin Organoid Kit: an optimized workflow for generating human skin organoids 211

Slovackova, Jana

Presenter: Bohaciaková, Dáša

Human neural organoid co-culture drives the emergence of new glioblastoma states and host tissue remodeling 212

Sohee, Park

Enhanced differentiation of human intestinal organoid-derived stromal cells into organ-specific mesenchyme 213

Somaida, Ahmed

Intestinal organoids as a predictive model for the assessment of nano-drug delivery systems 214

Son, Naeun

The development of in vitro gut-immune co-culture model by using pluripotent stem cell-derived 2D human intestinal epithelial cells and macrophages 215

Sötje, Birga

Oncometabolic β -Catenin activity onset, duration and locus defines aberrant intestinal development 216

Sridhar, Arun Presenter: Frostvoll Kuraas, Lusie

Organoids as translational tools: patient-matched transcriptomics reveals similarities between in vitro and in vivo epithelial responses in ulcerative colitis

217

Sridhar, Arun
Approved and investigational JAK/TYK2 inhibitors attenuate inflammatory pathways and promote homeostasis in IBD patient-derived organoids 218

Sterlini, Bruno Presenter: Corradi, Anna
3D human brain platform for modeling neurodevelopmental disorders: a step towards personalized medicine 219

Surina, Surina
Engineering the pancreatic–duodenal interface in a microfluidic chip 220

Tanzi, Giorgia
Unraveling the role of sortilin in thyroglobulin trafficking using 3d thyroid organoids 221

Tchiloemba Biakou, Jeanny
Impact of differential *cdx2* expression in intestinal tumor progression using 3d tumoroid mouse-models 222

Thrishul Kanakappady, Anjan
Presenter: Thrishul Kanakappady, Anjan; Gromann, Annika
**Modelling pancreatic ductal heterogeneities to study cystic fibrosis
disease progression using pancreatic duct-like organoids** 223

Thukha, Thadoe
Novel human 3D epicardioids to investigate the role of calcium 224
signaling in cardiac remodeling and arrhythmogenesis

Evaluation of time-dependent inflammatory responses in colonic epithelial organoids 225

Tomaino, Giulia

Targeting the PDAC microenvironment by integrating mRNA-LNPs encoding mutated Sema3A with a vascularized tumor-on-chip model 226

Tornabene, Patrizia

Modeling Cystic Fibrosis pancreatic complications using iPSC-derived organoids 227

Tourbier, Anastasiia

Next-generation electrophysiology for functional characterization of human neural organoids and assembloids 228

Tsang, David Long Hin

Transcriptomic and epigenomic changes in ductal epithelial cells after repeated liver damage 229

Tusnády, Simon

Development of a human neuroblastoma organoid model 230

Tzioufa, Foteini

Presenter: Hubert, Madlen

Proteomic and functional profiling of suspension-grown human enteroids reveals fidelity to native jejunal epithelium 231

van Oosten, Edwin

The role of light in retinal organoids: towards improving maturation and functionality 232

Van Os, Lisette

Unraveling the immune response to urinary tract infections with patient-derived bladder models 233

Vijayalekshmi, Balakrishnan

Human intestinal enteroids in early onset IBD in India 234

Vitchanthangal Prathivathibayankaram,

Unravelling the pathomechanisms of Canavan disease using human 3D oligodendrocyte-enriched spheroids 235

Vo, Dinh Son

Apical-out human ileal organoids: a 3D platform for evaluating intracellular drug delivery 236

Volpini, Luca

Targeting mitochondrial complex I in ccRCC patient-derived organoids 237

Wächtershäuser, Kaja Nicole

Inhibition of IAPs induces programmed cell death and inflammatory signaling in patient-derived metastatic breast cancer organoids 238

Wallmeroth, Damaris

Presenter: Reichel, Franz; Wallmeroth, Damaris

Dissection of nonsense-mediated mRNA decay inhibition in human cerebral organoids using an inducible UPF1 degran 239

Wandres, Miriam

Optogenetic WNT3A activation remodels brain organoid architecture and function 240

Wasnik, Kirti

Glycine-based multifunctional polymer for neurovascular regeneration: A platform bridging the neural repair and cardiac aging 241

Weterings, Sonja

Presenter: De Leede, Jan-Daniël

Frequency encoding regulates cell type composition in the small intestine 242

Whye, Dosh

High-throughput development of 3D in vitro functional assays for comparative phenotypic profiling of hiPSC-derived neural organoids from diverse NDD patients 243

Wiener, Katharina

Organoid modelling of embryonal kidney tumor development 244

Williams, Natalie

Investigating environmentally regulated neural stem cells using hypothalamic organoids 245

Wolff, Lisa

Rethinking Matrigel – Applying a standardized framework for transitioning to xeno-free scaffolds in cerebral organoid culture 246

Wu, Xueqing

Presenter: Yang, Qiutan

Advancing the maturation of human PSC-derived intestinal organoids through multi-germ-layer co-development 247

Xu, MengFei

Patient-derived organoids of anogenital precancers and cancers to functionally validate regulators of HPV-driven anchorage-independent growth 248

Yang, Jingyan

Otic vesicle patterning in human iPSC-derived inner ear organoids 249

Yentür, Zeynep

The dynamic microenvironment of human dorsal forebrain organoids during early neurogenesis 250

Yigin, Merve

Modeling pancreatic cancer using human pluripotent stem cells 251

Yu, Won Dong

A normal human intestinal epithelium model based on a barrier integrity evaluation system in predicting drug-induced toxicity 252

Zanatto, Laura

CRISPRi gene editing in patient-derived organoids: a new model to investigate the role of MEG3 in Hepatoblastoma 253

Zhang, Chao

Co-development of nephron and ureteric bud lineages enables generation of kidney organoids with higher-order architecture 254

Zhu, Mengmei

Direct differentiation to generate functional stroma to enrich tissue microenvironment in human kidney organoid 255