

10th International Meeting

From Fundamental Biology to Translational Concepts

March 29/30, Virtual Conference
Stem Cell Network North Rhine-Westphalia



Program (2021-03-08)

March 29, 2021		
09:00	Opening of the Meeting	
9:00 AM	Oliver Brüstle <i>Opening Remarks</i>	Chairman Stem Cell Network NRW; University of Bonn School of Medicine & University Hospital Bonn
9:10 AM	Isabel Pfeiffer-Poensgen <i>Welcome from the Ministry</i>	Ministry of Culture and Science of the German State of North Rhine-Westphalia
09:15 - 10:40 AM	#1 Organoids – Scientific and Ethical Aspects <i>Chairs: James Adjaye and tba</i>	
9:15 AM	Ryuichi Nishinakamura <i>"Organoid-based analysis of human kidney development and disease"</i>	Kumamoto University
9:45 AM	Annelien Bredenoord <i>"The ethics of organoid technology"</i>	University Medical Center Utrecht
10:20 AM	Meet the Speaker: Ryuichi Nishinakamura	Meet the Speaker: Annelien Bredenoord
10:40 - 12:20 AM	#2 Epithelial and Stromal Stem Cells <i>Chairs: Edda Tobiasch and tba</i>	
10:40 AM	Cédric Blanpain <i>"Mechanisms regulating multipotency in epithelial stem cells"</i>	Université Libre de Bruxelles
11:10 AM	Giada Mantellato <i>"Cell death regulation in the hair follicle stem cell niche"</i>	University of Cologne
11:25 AM	Massimo Dominici <i>"Mesenchymal stromal cells between cancer and covid-19"</i>	University Hospital of Modena and Reggio Emilia Modena
12:00 PM	Meet the Speaker: Cédric Blanpain	Meet the Speaker: Massimo Dominici
12:20 - 02:30 PM	Industry Exhibition	
01:30 - 02:30 PM	Pitch your Research - Topics 1-4	
02:30 - 04:10 PM	#3 Stem Cells in a Dish: Mechanisms of Differentiation in Complex Model Systems <i>Chairs: Jay Gopalakrishnan and Hans Schöler</i>	
2:30 PM	Christine Mummery <i>"Human pluripotent stem cells as cardiovascular disease models: challenges and solutions"</i>	Leiden University
3:00 PM	Nicolas Rivron <i>"Blastoids model blastocyst development and implantation"</i>	Institute of Molecular Biotechnology, Vienna
3:30 PM	David Hay <i>"Development of an automated tissue-engineering platform to produce human liver tissue for basic and applied research"</i>	University of Edinburgh
3:50 PM	Meet the Speaker: Christine Mummery	Meet the Speaker: Nicolas Rivron
04:10 - 05:15 PM	Industry Exhibition	
04:10 - 05:15 PM	Pitch your Research - Topics 5-7	
05:15 - 06:50 PM	#4 From Stem Cell Programming to CNS Disease <i>Chairs: Oliver Brüstle and Maria Rüger</i>	
5:15 PM	Michael Ziller <i>Title tba</i>	Max Planck Institute of Psychiatry, Munich
5:45 PM	Frederike Klaus <i>"The GDNF-BCL11A axis as a regulator of neural stem cell differentiation"</i>	University of Bonn Medical Faculty & University Hospital Bonn
6:00 PM	Marius Wernig <i>"Next generation cell therapies for the brain"</i>	Stanford University
6:35 PM	Meet the Speaker: Michael Ziller	Meet the Speaker: Marius Wernig

10th International Meeting

From Fundamental Biology to Translational Concepts

March 29/30, Virtual Conference
Stem Cell Network North Rhine-Westphalia



Program (2021-03-08)

March 30, 2021		
09:00 - 10:40 AM	#5 Hematopoiesis <i>Chairs: Peter Horn and Martin Zenke</i>	
9:00 AM	Alexander Medvinsky	University of Edinburgh <i>"Mechanisms of hematopoietic stem cell development in the mammalian embryo"</i>
9:30 AM	Elaine Dzierzak	University of Edinburgh <i>"Stochastic events in hematopoietic stem cell fate acquisition"</i>
10:00 AM	Moyra Lawrence	Cambridge University <i>"A novel progenitor marker panel pinpoints the biogenesis of the human megakaryocyte progenitor state in vitro and maps its differentiation to human in vivo counterparts."</i>
10:20 AM	Meet the Speaker: Alexander Medvinsky	Meet the Speaker: Elaine Dzierzak
10:40 - 11:25 AM	Industry Exhibition	
10:40 - 11:25 AM	Pitches - Topics 1-4	
11:25 - 01:00 PM	#6 Engineering Regeneration <i>Chairs: Niels König and tba</i>	
11:25 AM	Carsten Werner	TU Dresden <i>"Polymer networks to direct tissue formation"</i>
11:55 AM	Kira Zeevaert	RWTH Aachen University Medical School <i>"YAP knockout suppresses early germ layer specification of human iPSC-derived embryoid bodies"</i>
12:10 PM	Ivan Martin	University of Basel <i>"Regenerative engineering: designing grafts, processes and signals"</i>
12:40 PM	Meet the Speaker: Carsten Werner	Meet the Speaker: Ivan Martin
01:00 - 02:30 PM	Industry Exhibition	
01:45 - 02:30 PM	Pitches - Topics 5-7	
02:30 - 04:10 PM	#7 Epigenetics and Single Cell Genomics <i>Chairs: Wolfgang Wagner and tba</i>	
2:30 PM	Wolf Reik	Babraham Institute, Cambridge <i>"Single cell epigenome landscape of development and aging"</i>
3:00 PM	Megan Druce	German Cancer Research Center, Heidelberg <i>"The impact of aging, replication and stress of genome stability in hematopoietic stem cells"</i>
3:15 PM	Henk Stunnenberg	Princess Máxima Center for Pediatric Oncology, Utrecht <i>Title tba</i>
3:50 PM	Meet the Speaker: Wolf Reik	Meet the Speaker: Henk Stunnenberg
04:10 - 04:45 PM	Industry Exhibition	
04:45 - 06:30 PM	#8 Mending the Brain: Clinical Studies & Ethical Considerations <i>Chairs: Andreas Faissner and tba</i>	
4:45 PM	Meet the Speaker: Roger Barker	Meet the Speaker: Henry Greely
5:15 PM	Roger Barker	Cambridge University <i>"How can we best test stem cell therapies for brain repair in patients?"</i>
5:45 PM	Sofia Grade	Institute of Molecular Biotechnology, Vienna <i>"A critical role of the host brain environment in cell-based approaches for restoring brain circuits"</i>
6:00 PM	Henry Greely	Stanford University <i>"Ethical issues in clinical trials of stem cell-based brain therapies"</i>
06:30 - 06:45 PM	Closing Remarks	
6:30 PM	Pitch Award	
6:40 PM	Peter Horn	Spokesperson of the Representatives' Meeting of the Stem Cell Network NRW; University Hospital Essen