



Program

Monday, May 13, 2019

UPDATE

10:30	Registration	
11:00	Opening Remarks	Prof. Oliver Brüstle Chairman Stem Cell Network NRW; <i>University of Bonn School of Medicine & University Hospital Bonn</i>
11:15	Welcome from the Ministry	Dr. Beate Wieland Head of Research Department, Ministry of Culture and Science of the German State of North Rhine- Westphalia
11:25	Welcome Address ISSCR (video)	Nancy Witty CEO International Society for Stem Cell Research
11:30	Welcome Address EuroStemCell (video)	Prof. Clare Blackburn Project Coordinator EuroStemCell; <i>University of Edinburgh</i>
11:35	Welcome Address from Japan (video)	Prof. Shin'ya Yamanaka <i>University Kyoto</i>
11:40	Overview Research Activities Stem Cell Network NRW	Prof. Peter Horn and Prof. Dieter Sturma Spokespersons of the Representatives' Meeting
12:00	Lunch	
13:20	SESSION I: From the Lab towards Clinical Application	Chair: Prof. Oliver Brüstle (Bonn)
13:20	Insights into neurodegenerative disease from human stem cell models	Prof. Rick Livesey <i>University College London</i>
14:00	Autologous multipotent stem cells and ensheathing cells from olfactory mucosa for the treatment of spinal cord injuries	Jun.-Prof. Christina Sengstock <i>Bergmannsheil University Hospital Bochum</i>
14:15	Direct lineage conversion enables the generation of epigenetically rejuvenated donor cells for neuro- transplantation	Lea Flitsch <i>University of Bonn</i>
14:30	Cilium induction can switch pluripotent state of Glioma stem cells into differentiation	Gladiola Goranci-Buzhala <i>Heinrich Heine University Düsseldorf</i>
14:45	Coffee Break	

15:15	SESSION II: Chances & Challenges of Translational Stem Cell Research	Chair: Prof. Dieter Sturma (Bonn) & Prof. Martin Zenke (Aachen)
15:15	Conflicts and conundrums of regulation	Prof. Christine Hauskeller <i>University of Exeter</i>
15:55	Combined cell and gene therapy for Epidermolysis Bullosa	Prof. Michele de Luca <i>University of Modena and Reggio Emilia</i>
16:35	Translation of Stem Cell Research: A Long Road to Therapies	Dr. Daniel Besser <i>German Stem Cell Network</i>
16:50	Mesenchymal stem/stromal cell-de- rived extracellular vesicles, a poten- tial new tool in regenerative medicine	Prof. Bernd Giebel <i>University Hospital Essen</i>
17:05	iMSCs for translational research and regenerative medicine	Dr. Lucas-Sebastian Spitzhorn <i>Heinrich Heine University Düsseldorf</i>
17:20	Replicative senescence of mesenchy- mal stromal cells and iPSC-derived MSCs	Julia Franzen <i>RWTH Aachen University</i>
17:35	Pitches from Start-ups and SME	<ol style="list-style-type: none"> 1) Ira Herrmann, <i>LIFE & BRAIN GmbH</i> 2) Boris Greber, <i>RheinCell Therapeutics GmbH</i> 3) Wolfgang Wagner, <i>Cygenia GmbH</i> 4) James Adjaye, <i>UriCell</i>
18:00	Networking Event: River Cruise on the Rhine	



Program Tuesday, May 14, 2019

09:00	SESSION III: Novel Stem Cell Concepts for Disease-related Research and Therapy	Chair: Prof. Peter Horn (Essen)
09:00	Stemness-mediated immune escape in acute myeloid leukemia	Prof. Claudia Lengerke <i>University Hospital Basel</i>
09:30	Testing new therapies – Challenges for research ethics	Prof. Bert Heinrichs <i>University of Bonn</i>
09:50	Genetic compensation triggered by mutant mRNA degradation	Dr. Andrea Rossi <i>Leibniz Research Institute for Environmental Medicine</i>
10:05	Overcoming pain and infertility – adult stem cells as a therapeutic target in endometriosis	Prof. Martin Götte <i>University Hospital Münster</i>
10:20	Integrated cell manufacturing towards a therapy for Parkinson’s disease	Dr. Andreas Bosio <i>Miltenyi Biotec GmbH</i>
10:40	Coffee Break	
11:10	SESSION IV: Genome Editing and Cell Programming	Chair: Prof. Ulrich Willems (Münster) & Prof. Andreas Faissner (Bochum)
11:10	Interventions in the human genome by CRISPR/Cas – Legal framework	Prof. Jochen Taupitz <i>University of Mannheim</i>
11:40	yylnC safeguards mesodermal commitment of human embryonic stem cells	Dr. Leo Kurian <i>University of Cologne</i>
11:55	“We would rather be trophoblasts” – How to fully reprogram embryonic stem cells to trophoblast stem cells	Franziska Kaiser <i>University of Bonn</i>
12:10	SESSION V: Disease Modeling	Chair: Prof. James Adjaye (Düsseldorf)
12:10	[DG7! VUgYX'Xfi ['X]gMj Yfm]b' dYX]Urf]Mā YHvc']W]gYUgYg	8f""5"YggUbXfc'Df][]cbY <i>A Ul '8Y'Vfi YW' 7YbHYf Zcf' A c'YW' UF'A YX]W]bY'</i>
12:40	Development of an iPSC-based <i>in vitro</i> model for Angelman syndrome	PD Dr. Laura Steenpass <i>University Hospital Essen</i>
12:55	Calreticulin-mutant iPSC cells effectively model chronic hematopoietic stem cell disorders	Dr. Lijuan Han <i>RWTH Aachen University</i>
13:10	Snacks & Drinks	



Information about the Networking Event

The networking event on 13.05.2019 will take place on the ship "MS Loreley", operated by KD Köln-Düsseldorfer Deutsche Rheinschiffahrt GmbH. The jetty is located approx. 8 minutes on foot from the conference venue at "Rheinterrasse" (address for navigation device is Robert-Lehr-Ufer 1, 40474 Düsseldorf). The ship is open from 18:00, at 19:00 we start our little Rhine tour and at 22:00 we moor again. There will be catering on board.

Please note that participation in the networking event is only possible if you have registered for it in advance.

