

8.5.2014; 15:30 – 17:00 Uhr

Session "Heart 1 - Myocardium"

Chair: Ina Gruh, Robert Zweigerdt

Talk #1:	15:30-15:50	Robert Zweigerdt	Hannover Medical School, Germany	Suspension culture and cardiomyogenic differentiation of human pluripotent stem cells in stirred bioreactors
Talk #2:	15:55-16:15	Ina Gruh	Hannover Medical School, Germany	From pluripotent stem cells to myocardial tissue engineering
Talk #3:	16:20-16:40	Jörg Heineke	Hannover Medical School, Germany	Paracrine regulation of cardiac hypertrophy and failure
Talk #4:	16:40-17:00	Denise Hilfiker	Hannover Medical School, Germany	Novel Role of STAT3 for substrate metabolism in the heart

Session "Blood based therapies"

Chair: Axel Schambach, Julia Skokowa

Talk #1:	15:30-15:50	Axel Schambach	Hannover Medical School, Germany	Retroviral vectors: Fascinating tools for genetic engineering of hematopoietic cells
Talk #2:	15:55-16:15	Thomas Moritz	Hannover Medical School, Germany	Towards a curative genetic treatment of Pulmonary Alveolar Proteinosis (PAP)
Talk #3:	16:20-16:40	Julia Skokowa	Hannover Medical School, Germany	New therapeutic strategies for stimulation of granulopoiesis
Talk #4:	16:40-17:00	Matthias Eder	Hannover Medical School, Germany	miRNAs in hematopoiesis

Session "Liver"

Chair: Tobias Cantz, Michael Ott

Talk #1:	15:30-16:00	Yaakov Nahmias	School of Engineering, Faculty of Science The Hebrew University, Israel	Challenges and Opportunities in Liver Tissue Engineering
Talk #2:	16:00-16:20	Arndt Vogel	Hannover Medical School, Germany	Mechanisms of liver regeneration
Talk #3:	16:20-16:40	Amar Deep Sharma	Hannover Medical School, Germany	microRNAs in stem cell based liver regeneration
Talk #4:	16:40-16:50	Rodrigo Gutierrez	Hannover Medical School, Germany	Patient-derived adult liver stem cells
Talk #5:	16:50-17:00	Oliver Papp	Hannover Medical School, Germany	Stem Cells in Biliary Regeneration

9.5.2014; 9:00 – 10:30 Uhr

Session "REBIRTH in Translation 1"

Chair: Kai C. Wollert, Ina Gruh

Talk #1:	09:00-09:30	Kai C. Wollert	Hannover Medical School, Germany	Mining the human bone marrow cell secretome for new therapeutically active proteins
Talk #2:	09:30-10:00	Sotirios Korossis	Hannover Medical School, Germany	From Heart to Lung and back: Engineering the path
Talk #3:	10:00-10:30	Michael Harder	corlife GbR, Germany	Translation of research results into products from the perspective of a SME

9.5.2014; 11:00 – 12:30 Uhr

Session "Heart 2 - Valves & Vessels"

Chair: Serghei Cebotari, Andres Hilfiker

Talk #1:	11:00-11:30	Andres Hilfiker	Hannover Medical School, Germany	Decellularized Heart Valve Matrices for Tissue Engineering
Talk #2:	11:30-12:00	Willem Wolkers	Leibniz University of Hannover, Germany	Preservation of heart valve scaffolds in a dry state
Talk #3:	12:00-12:30	Frank Bengel	Hannover Medical School, Germany	Molecular In Vivo imaging of the Cardiovascular System

Session "Blood & Immunology"

Chair: Renata Stripecte, Andreas Krueger

Talk #1:	11:00-11:20	Renata Stripecte	Hannover Medical School, Germany	Adaptive human immune regeneration in mice: models for preclinical testing of immune therapies
Talk #2:	11:25-11:45	Constanza Figueiredo	Hannover Medical School, Germany	In vitro production of HLA universal platelets
Talk #3:	11:50-12:10	Andreas Krueger	Hannover Medical School, Germany	Micro(RNA)-management of lymphocyte development
Talk #4:	12:10-12:30	Carlos Guzmán	Helmholtz Centre for Infection Research, Germany	Use of adjuvants with well-defined molecular targets to tailor innate and adaptive immune responses

Session "CARPuD"

Chair: Tobias Cantz, Gesine Hansen

Talk #1:	11:00-11:30	Bob J. Scholte	Erasmus MC Cell Biology, Netherlands	Animal and cellular models of chronic lung disease, prospects of gene and cellular therapy
Talk #2:	11:30-11:55	Ulrich Martin	Hannover Medical School, Germany	iPS cell-derived transplants for Cystic Fibrosis and Surfactant Deficiencies
Talk #3:	11:55-12:10	Reto Eggenschwiler	Hannover Medical School, Germany	iPS cell-derived transplants for α 1-Antitrypsin Deficiency
Talk #4:	12:10-12:20	Nico Lachmann	Hannover Medical School, Germany	iPS cell-derived macrophages as in vitro model of Pulmonary Alveolar Proteinosis
Talk #5:	12:20-12:30	Christine Happle	Hannover Medical School, Germany	Intratracheal transplantation of macrophages for pulmonary diseases

Session "NIFE: Pooling Ressources - Creating Synergies"

Chair: Manfred Eloff, Meike Stiesch

Talk #1:	11:00-11:20	Manfred Eloff	Lower Saxony Centre for Biomedical Engineering, Implant Research and Development (NIFE), Germany	NIFE - A Translational Research Center
Talk #2:	11:25-11:45	Meike Stiesch	Hannover Medical School, Germany	Biofabrication for NIFE
Talk #3:	11:50-12:10	Andreas Kirschning	Leibniz University of Hannover, Germany	Preparation and functionalization of biomedical materials – applications for extracorporeal lung devices
Talk #4:	12:10-12:30	Heiko Meyer	Laser Zentrum Hannover, Germany	Novel laser based imaging techniques and applications

9.5.2014; 15:30 – 17:00 Uhr

Session "REBIRTH in Translation 2"

Chair: Martin Graf, Ulrich Martin

Talk #1:	15:30-16:00	Martin Graf	Hoffmann-La Roche AG, Switzerland	Stem Cell Applications in a Pharma Company
Talk #2:	16:00-16:30	Nils Hoppe	Leibniz University of Hannover, Germany	Innovative Health Technologies: Legal and Ethical Aspects of Translating Research into Practice
Talk #3:	16:30-17:00	Matthias Perleth	Federal Joint Committee (Gemeinsamer Bundesausschuss - G-BA), Germany	From innovation to reimbursement: how are new treatments introduced into the German health care system