CONFIRMED SPEAKERS

• Adrian E. Morelli, University of Pittsburgh
• Menna Clatworthy, University of Cambridge
• Pierre Gianello, Université Catholique de Louvain, Leuwen
• Jörg Seebach, Hôpitaux Universitaires Genève
• Carl H. June, University of Pennsylvania
• Giovanna Lombardi, King’s College London
• Wim E. Fibbe, Leiden University Medical Center
• Stefan G. Tullius, Brigham and Women’s Hospital, Boston
• Dario Campana, National University Cancer Institute, Singapore
• Alberto Sanchez-Fueyo, King’s College London
• Lori West, University of Alberta, Edmonton
• Sandy Feng, University of California, San Francisco
• Qizhi Tang, University of California, San Francisco
• Mandy Ford, Emory University School of Medicine, Atlanta

And 28 speakers of the organizing German research consortia

SESSIONS

• Innate and adaptive immune responses
• Regulatory and humoral responses
• Xenotransplantation and its translation
• New options in stem cell transplantation
• Cell and gene therapy
• Optimizing graft function and new graft options
• Personalized diagnostic and therapeutic approaches
• New and upcoming clinical trials

INTERNATIONAL SYMPOSIUM
“Cellular and molecular mechanisms and new therapeutic concepts in transplantation”

29 - 30 November 2017

Altes Rathaus Hannover

INFORMATION AND REGISTRATION
sfb738@mh-hannover.de

EXTERNAL REGISTRATION FEE
EUR 75

Supported by
**WEDNESDAY, November 29th 2017**

**Session I**

8:45-8:50  
Introduction  
Michael P. Manns (Hannover, Germany)

8:50-9:00  
Welcome address  
Christopher Baum (Hannover, Germany)

**Innate and adaptive immune responses** (iFB-Session)

9:00-9:30  
Adrian E. Morelli (Pittsburgh, USA)  
Exosomes in alloimmune responses

9:30-9:45  
Christine S. Falk (Hannover, Germany)  
Immunomodulation during ex vivo lung perfusion – a window of opportunity for organ preservation

9:45-10:00  
Michael Schmück-Henneresse (Berlin, Germany)  
Refined translation – T cell therapy in solid organ transplantation from bench to bedside and back

10:00-10:30  
Mandy Ford (Atlanta, USA)  
Costimulation blockade: Next generation

10:30-10:45  
Birgit Sawitzki (Berlin, Germany)  
Targeting mitochondrial functions to reinforce T cell tolerance

10:45-11:00  
Matthias Mack (Regensburg, Germany)  
Basophils contribute to cardiac allograft fibrosis by release of IL-4

11:00-11:30  
Coffee break

**Session II**

12:15-12:30  
Jochen Huehn (Braunschweig, Germany)  
Generation of stable, alloantigen-specific Foxp3+ regulatory T cells

12:30-12:45  
James Hutchinson (Regensburg, Germany)  
Mechanisms of Mreg development and action

12:45-13:00  
Anke Franzke (Hannover, Germany)  
Development of immune intervention strategies in allogeneic stem cell transplantation based on donor regulatory T cells

13:00-14:00  
Lunch break

**Session III**

14:00-14:30  
Pierre Gianello (Leuven, Belgium)  
Islet Xenotransplantation

14:30-14:45  
Barbara Ludwig (Dresden, Germany)  
Islet cell Tx

14:45-15:00  
Heiner Niemann (Mariensee, Germany)  
Multi-tg pigs for clinical Xeno Tx

15:00-15:30  
Jörg Seebach (Geneva, Switzerland)  
Novel Approaches to prevent cellular immune responses to xenografts

15:30-15:45  
Bruno Reichart / Jan Abicht (Munich, Germany)  
Heart Tx in primates

15:45-16:00  
Reinhard Schwinzer (Hannover, Germany)  
Immunomodulation by enhancement of inhibitory signals

16:00-16:30  
Coffee break

**Session IV**

New options in stem cell transplantation

16:30-17:00  
Carl H. June (Philadelphia, USA)  
CAR-based cell therapies

17:00-17:15  
Martin Sauer (Hannover, Germany)  
Co-transplantation of CAR-gene engineered precursor T cells leads to suppressed T cell development and increased NK cell-based CAR-mediated anti-leukemic activity

17:15-17:30  
Il-Kang Na (Berlin, Germany)  
Bone marrow niche defects impair B cell reconstitution after allogeneic hematopoietic stem cell transplantation

17:30-17:45  
Christian Klünecke (Hannover, Germany)  
Prevention of acute Graft-versus-Host Disease after bone marrow transplantation by molecular targeting of anti-apoptotic proteins in donor T cells

17:45-18:00  
Ernst Holler (Regensburg, Germany)  
Microbiota, antimicrobial peptides and GvHD

18:00-20:30  
Poster session and dinner
Thursday, November 30th 2017

Session V
Cell and gene therapy

8:30-9:00  Giovanna Lombardi (London, UK)
Tregs after transplantation

9:00-9:30  Wim E. Fibbe (Leiden, Netherlands)
New therapeutic approaches using MSC

9:30-9:45  Nathanael Raschzok (Berlin, Germany)
Cellular concepts for liver regeneration and support

9:45-10:00  Tobias Cantz (Hannover, Germany)
Cellular Reprogramming as therapeutic approach for liver disorders

10:00-10:15  Axel Schambach (Hannover, Germany)
Innovative transplants based on gene and cell therapy approaches

10:15-10:30  Britta Eiz-Vesper / Britta Maecker-Kolhoff (Hannover, Germany)
Broadly applicable virus-specific T cells to treat infections and tumors after transplantation

10:30-11:00  Coffee break

Session VI
Optimizing graft function and new graft options

11:00-11:30  Stefan G. Tullius (Boston, USA)
Vascularized composite allografts: New developments

11:30-11:45  Andres Hilfiker (Hannover, Germany)
From decellularized allogeneic to decellularized xenogeneic heart valve prosthesis

11:45-12:00  Anette Melk (Hannover, Germany)
Taking senescence to the next level

12:00-12:30  Dario Campana (Singapore, Singapore)
Advanced Cellular Therapies

Session VII
Personalized diagnostic and therapeutic approaches (IFB Session)

14:00-14:30  Alberto Sanchez-Fueyo (London, UK)
Tolerance and its associated biomarkers

14:30-15:00  Lori West (Edmonton, Canada)
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15:00-15:15  Thomas Thum (Hannover, Germany)
Noncoding RNA based diagnostic and treatment strategies in transplantation medicine

15:10-15:30  Danny Jonigk (Hannover, Germany)
Morphological and molecular injury patterns of the transplanted lung

15:30-16:00  Coffee break

Session VIII
New and upcoming clinical trials

16:00-16:30  Sandy Feng (San Francisco, USA)
Weaning of immunosuppression

16:30-16:45  Ulrike Köhl (Hannover, Germany)
Advanced Therapy Medicinal Products in Transplantation” (als allg. Übersicht) oder “CAR expressing effector cells in stem cell transplantation

16:45-17:00  Matthias Edinger (Regensburg, Germany)
Donor Treg therapy in acute GVHD

17:00-17:30  Qizhi Tang (San Francisco, USA)
Clinical trials using adoptive Treg therapy

17:30-18:00  Farewell address
Michael P. Manns (Hannover, Germany)

19:30  Speaker’s dinner