

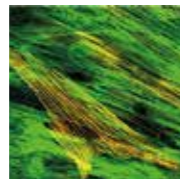
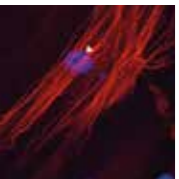


- 16:00 – 16:20 Rüdiger Hehlmann, *Mannheim*  
Cure of CML: Are we there yet ?
- 16:20 – 16:40 Michael Pfreundschuh, *Homburg*  
Stem cell transplantation in aggressive lymphomas: Do we still need it ?
- 16:40 – 17:00 Hartmut Döhner, *Ulm*  
Genetics for guiding patient care in AML
- 17:00 – 17:45 Key-note lecture  
Richard Champlin, *Houston, USA*  
Advances with alternative donors:  
Now everyone can get a transplant

**Saturday, April 2, 2016**

→ Lecture hall, Medical Center, Department of Medicine  
Im Neuenheimer Feld 410, 69120 Heidelberg

- 08:30 – 09:15 Key-note lecture  
Werner Franke, *Heidelberg*  
Wild and at random: Spontaneous and cumulative syntheses of epithelial molecules in various hematopoietic cells
- Session 8 **Aging and Disorders of Stem Cells**  
Chairpersons: Harald Klüter, Jeroen Krijgsveld
- 09:15 – 09:35 Anne-Claude Gavin, *Heidelberg*  
Omics profiling of HSC niche
- 09:35 – 09:55 Wolfgang Wagner, *Aachen*  
How to keep your stem cells young – DNA methylation changes in aging
- 09:55 – 10:15 Jan Lohmann, *Heidelberg*  
Control of stem cell identity:  
Lessons from plants



- 10:15 – 10:35 Andreas Trumpp, *Heidelberg*  
Molecular and cellular control of normal and leukemic stem cells
- 10:35 – 11:00 Coffee break
- Session 9 **Clinical Applications**  
Chairpersons: Hanns-Martin Lorenz, Konrad Kohler
- 11:00 – 11:20 Jakob van Laar, *Utrecht, Netherlands*  
Stem cell therapy in autoimmune disease – the facts
- 11:20 – 11:40 Michael Andreeff, *Houston, USA*  
Leukemia stem cells
- 11:40 – 12:00 Hartmut Goldschmidt, *Heidelberg*  
Role of autologous transplantation in pursuit of a cure
- Session 10 **Evolution of Cellular Immunotherapy**  
Chairpersons: Michael Schmitt, Eric Rosenbaum
- 12:00 – 12:20 Hans-Jochem Kolb, *München*  
Evolution of cellular immunotherapy after the first DLI
- 12:20 – 12:40 Gerhard Ehninger, *Dresden*  
Engaging T-cells with leukemia
- 12:40 – 13:00 Klaus Cichutek, *Langen*  
Stem cell based medicinal products – hopes and reality
- 13:00 – 13:45 Key-note lecture  
Malcolm Brenner, *Houston, USA*  
Driving CAR-T cells beyond B-cell malignancy
- 13:45 – 14:45 Lunch

**Contact**

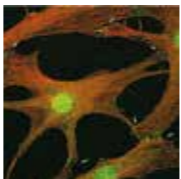
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[www.heidelberg-stemcell2016.de](http://www.heidelberg-stemcell2016.de)

**Please register via E-mail by February 29, 2016**  
sekretariat.ho@med.uni-heidelberg.de  
Participation is free of charge.

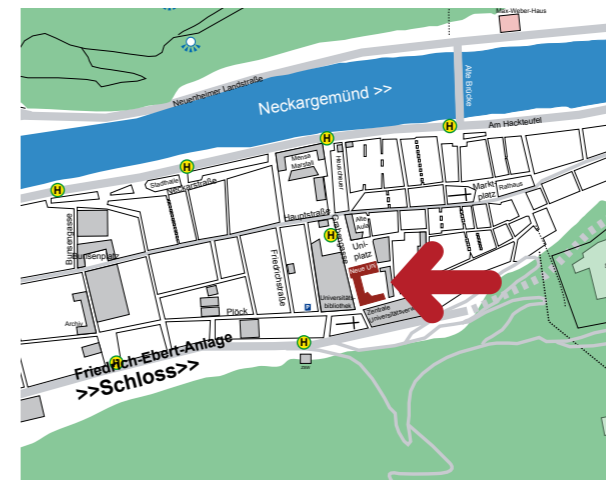
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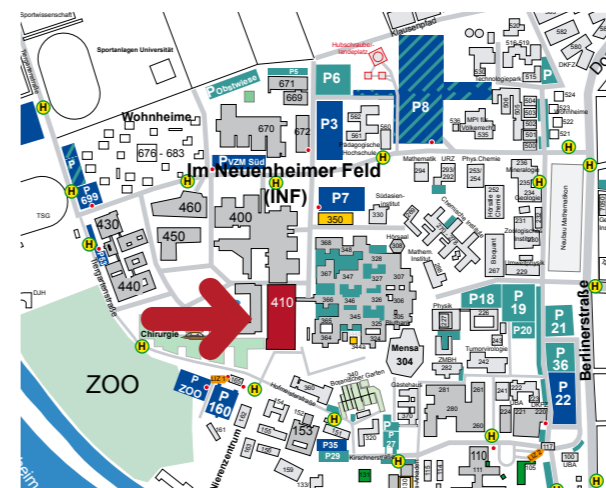


**Conference Locations**

→ **March 31, 2016**  
Neue Aula, Universität Heidelberg  
Universitätsplatz, 69117 Heidelberg



→ **April 1-2, 2016**  
Lecture hall, Medical Center, Department of Medicine  
Im Neuenheimer Feld 410, 69120 Heidelberg

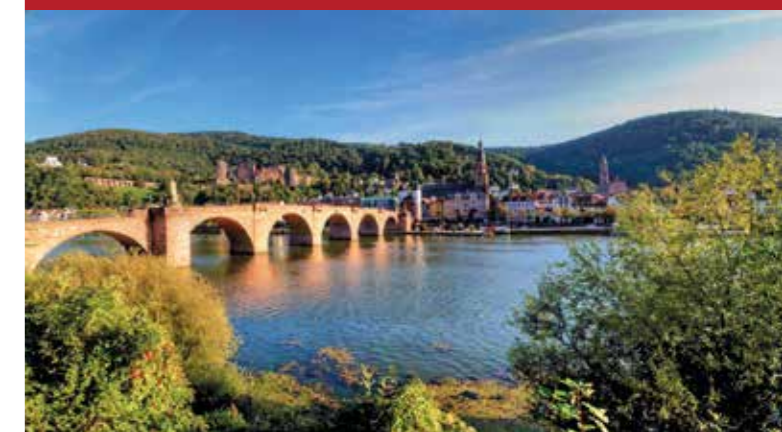


UniversitätsKlinikum Heidelberg

**Stem Cell Therapy – Facts and Myths**  
March 31 – April 2, 2016

Dept. of Medicine V  
Hematology, Oncology, Rheumatology  
Director & Chair: Anthony D. Ho

**Final Program**



[www.heidelberg-stemcell2016.de](http://www.heidelberg-stemcell2016.de)



## Dear Colleagues and Friends,

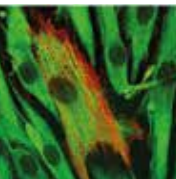
May I extend a cordial invitation to you to a Special Symposium „Stem Cell Therapy – Facts and Myths“ to be held from March 31, 2016 to April 2, 2016 in Heidelberg.

The Department of Medicine V (Hematology, Oncology & Rheumatology), Ruprecht-Karls-University, Heidelberg, Germany, will be celebrating the 30th anniversary of the first successful transplantation using hematopoietic stem cells (HSC) derived from peripheral blood instead of the bone marrow, performed 1985 and published in February 1986. Ever since then, stem cell research and stem cell transplantation have remained a major component of the Department.

In addition, the Baden-Württemberg Foundation has organized a satellite symposium on March 31 in the Neue Aula to earmark twelve years of promotion and support for adult stem cell research in the State of Baden-Württemberg. This is followed by the main scientific symposium from April 1 to April 2, 2016, at the Department of Medicine, Medical Center of the University.

With kindest regards,

**Anthony D. Ho, MD, FRCPC**  
Professor & Chair  
Department of Medicine V  
Ruprecht-Karls-University  
Heidelberg



### Scientific Program

#### Thursday, March 31, 2016

Satellite Symposium of the Baden-Württemberg Foundation  
www.bwstiftung.de

#### → Neue Aula, Universität Heidelberg

Universitätsplatz, 69117 Heidelberg

#### Opening

08:30 – 08:35 **Christoph Dahl**, *Managing Director, Baden-Württemberg Foundation*

08:35 – 08:40 **Wolfgang Herzog**,  
*Dean Faculty of Medicine, Heidelberg*

**Session 1 Stem Cells and Niche**  
Chairpersons: **Alwin Krämer, Stefan Meurer**

08:40 – 09:05 **Petra Boukamp**, *Heidelberg*  
**The niche: A determinant for stem cell maintenance and function in normal skin and skin carcinomas**

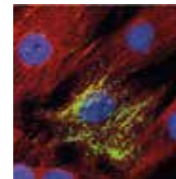
09:05 – 09:30 **Xi Xi He**, *Kansas City, USA*  
**Dynamic interaction between tumor initiating cells and immune response**

09:30 – 09:55 **Gerd Klein**, *Tübingen*  
**Molecular and biophysical characterization of the human hematopoietic stem cell niche**

09:55 – 10:20 **Lenhard Rudolph**, *Jena*  
**Mechanisms and targets to improve function and genetic stability of hematopoietic stem cells at aging**

10:20 – 10:50 **Coffee break**

**Session 2 Neuronal Stem Cells, Mitochondrial Damage**  
Chairpersons: **Anna Wobus, Christof von Kalle**



10:50 – 11:15 **Francesca Ciccolini**, *Heidelberg*  
**Quiescent stem cells in the adult mammalian brain**

11:15 – 11:40 **Oliver Rothfuss**, *Tübingen*  
**Akt dependent regulation of self renewal in pluripotent stem cells**

11:40 – 12:05 **Verdon Taylor**, *Basel, Switzerland*  
**Notch surprises in brain tumor formation and neural stem cell fate**

12:05 – 12:50 **Key-note lecture**  
**Toshio Suda**, *Tokyo, Japan*  
**Controlling growth and maturation of blood stem cells**

12:50 – 14:00 **Lunch break**

**Session 3 Hematopoietic Stem Cells and iPS**  
Chairpersons: **Motomu Tanaka, Rupert Handgretinger**

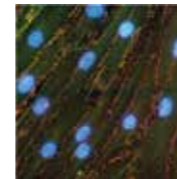
14:00 – 14:25 **Karin Scharffetter-Kochanek**, *Ulm*  
**Mesenchymal stem cells promote tissue repair**

14:25 – 14:50 **Hanno Glimm**, *Heidelberg*  
**Functional and genetic heterogeneity in gastrointestinal cancers**

14:50 – 15:15 **Jochen Utikal**, *Mannheim*  
**Differentiation of induced pluripotent stem cells into cutaneous lineages**

15:15 – 15:40 **Claudia Lengerke**, *Basel, Switzerland*  
**The significance of selected stem cell proteines for the tumor biology of breast cancer**

15:40 – 16:30 **Key-note lecture**  
**Armand Keating**, *Toronto, Canada*  
**MSC for regenerative medicine, the way forward**



Baden-  
Württemberg  
Stiftung  
WIR STIFTEN ZUKUNFT



#### Friday, April 1, 2016

→ **Lecture hall, Medical Center, Department of Medicine**  
Im Neuenheimer Feld 410, 69120 Heidelberg

08:30 – 09:15 **Key-note lecture**  
**Hans Schöler**, *Münster*  
**Small organs, great potential: Recent advances in stem cell research**

**Session 4 Molecular Fundamentals of Stem Cells**  
Chairpersons: **Peter Krammer, Konrad Beyreuther**

09:15 – 09:35 **Michael Boutros**, *Heidelberg*  
**Reading and writing in the genome**

09:35 – 09:55 **Jochen Wittbrodt**, *Heidelberg*  
**Stem cells in growth and regeneration of the retina**

09:55 – 10:15 **Christof Niehrs**, *Mainz*  
**Not so canonical Wnt signaling**

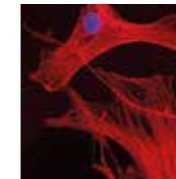
10:15 – 10:45 **Coffee break**

**Session 5 Stem Cells and Niche**  
Chairpersons: **Hannah Monyer, Jürgen Hescheler**

10:45 – 11:05 **Tsvee Lapidot**, *Rehovot, Israel*  
**Metabolic regulation of blood and bone forming stem cells: The role of ROS and nitric oxide**

11:05 – 11:25 **Linheng Li**, *Kansas City, USA*  
**Maintaining normal and targeting leukemia stem cells**

11:25 – 11:45 **Suzanne Watt**, *Oxford, UK*  
**Vascular niche and hematopoietic regeneration**



11:45 – 12:05 **Hellmut Augustin**, *Heidelberg*  
**Angiocrine signaling during tissue homeostasis and in the bone marrow stem cell niche**

12:05 – 12:25 **Albrecht Müller**, *Würzburg*  
**Polycomb function in ESCs and HSCs**

12:25 – 14:00 **Lunch break**

**Session 6 Clinical Transplantations – the Way Forward**  
Chairpersons: **Rainer Haas, Klaus-Michael Debatin**

14:00 – 14:20 **Peter Dreger**, *Heidelberg*  
**Novel trends in allogeneic stem cell transplantation**

14:20 – 14:40 **Dai-Hong Liu**, *Beijing, China*  
**Unmanipulated haploidentical PBSCT for high-risk hematologic malignancies: Outcomes and feature of GVHD compared with matched related PBSCT**

14:40 – 15:00 **Helen Heslop**, *Houston, USA*  
**Virus specific T-cells – moving to standard of care**

15:00 – 15:20 **Nicolaus Kröger**, *Hamburg*  
**Targeting MRD post transplant**

15:20 – 15:40 **Ted Ball**, *San Diego, USA*  
**Checkpoint inhibition for treatment of relapse after allogeneic stem cell transplantation**

15:40 – 16:00 **Coffee break**

**Session 7 Clinical Transplantations – becoming obsolete?**  
Chairpersons: **Bernd Dörken, Wolf-Karsten Hofmann**

