

Sunday, October 3

13:30 *Registration and poster mounting*
15:00 *Welcome: Otmar D. Wiestler*
Introduction: Joe B. Harford

15:15 KEYNOTE LECTURE
Michael F. Clarke
Regulation of self renewal in normal stem cells and cancer

Session 1 EPIHELIAL STEM CELLS AND CANCER

Chairs: Petra Boukamp & Varda Rotter

16:00 **Hanno Glimm**
Distinct types of human colon cancer initiating cells contribute to primary tumor and metastasis formation

16:30 **Thomas Brabletz**
MicroRNAs, EMT and cancer stem cells

17:00 *Coffee break*

17:15 **Erwin F. Wagner**
Function of AP-1 (Fos/Jun) in cancer development

17:45 **Jürgen A. Knoblich**
Deregulated epithelial proliferation initiates tumor stem cell formation in l(3)mbt mutant Drosophila brains

18:15 **Bruce Edgar**
Homeostasis and dysplasia in the Drosophila intestine

18:45 *Welcome reception*

20:00 *Speakers dinner, Heidelberg Castle (by invitation only)*

Monday, October 4

8:45 Greeting address
Hubert Blum
German Academy of Sciences Leopoldina

Session 2 HEMATOPOIETIC AND VASCULAR STEM CELLS

Chair: Andreas Trumpp

09:00 **Marieke Essers**
Activation of dormant hematopoietic and leukemic stem cells in vivo

09:30 **Catriona Jamieson**
Leukemia stem cells: biologic and therapeutic implications

10:00 **Pier Giuseppe Pelicci**
Regulation of self-renewal in cancer stem cells

10:30 *Coffee break*

11:00 **Curtis C. Harris**
Modulation of asymmetric cell division in human cells

11:30 **Tariq Enver**
The stem and progenitor cell biology of childhood leukaemia

12:00 **Hans-Reimer Rodewald**
Exhaustion and leukemogenesis in the thymus

12:30 *Lunch break*

13:30 **Lenhard Rudolph**
Molecular mechanisms of stem cell aging

14:00 **Hellmut G. Augustin**
Vascular regulation of stem cell function

14:30 **Peter Carmeliet**
Tumor vessel normalization: genetic insight and therapeutic application

15:00 POSTER SESSION

16:45 **Helen M. Blau**
Of newts and niches: three approaches to reprogramming and regeneration

17:15 MERCK SERONO KEYNOTE LECTURE
John E. Dick
Genetic diversity of leukemia stem cells

18:00 *Meet-the-speakers dinner, DKFZ*

Tuesday, October 5

Session 3 STEM CELLS IN THE NERVOUS SYSTEM

Chairs: Wolfgang Wick & Ana Martin-Villalba

09:00 **Luis F. Parada**
Neural stem cells and cancer stem cells

09:30 **Oliver Brüstle**
Neural stem cells and human disease

10:00 **Thomas Perlmann**
Transcription factor programming of dopamine neurons and other neuron types

10:30 *Coffee break*

11:00 **Ron McKay**
Controlling pluripotent & somatic stem cells in regeneration and cancer

11:30 **Jeremy N. Rich**
An evolving view of the cancer stem cell paradigm

12:00 POSTER AWARD

12:15 **Till Acker**
Tumor stem cells and their niche(s)

12:30 *Lunch break*

13:45 **Lucas Pellegrinet**
Notch signaling is mediated by Dll1 and Dll4 ligands, and is required for maintenance of intestinal stem cells

Session 4 EPIGENETICS AND REPROGRAMMING

Chairs: Jan Lohmann & Christoph Plass

14:00 **Hans R. Schöler**
Induction of pluripotency in adult stem cells

14:30 **Jochen Utikal**
Reprogramming of immortalized and tumor cells

15:00 *Coffee break*

15:30 **Varda Rotter**
p53 plays a pivotal role in preventing malignant transformation of induced pluripotent stem cells

16:00 KEYNOTE LECTURE
Rudolf Jaenisch
Stem cells, the molecular control of reprogramming and the promise for personalized medicine

17:00 *Farewell reception*

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Venue address

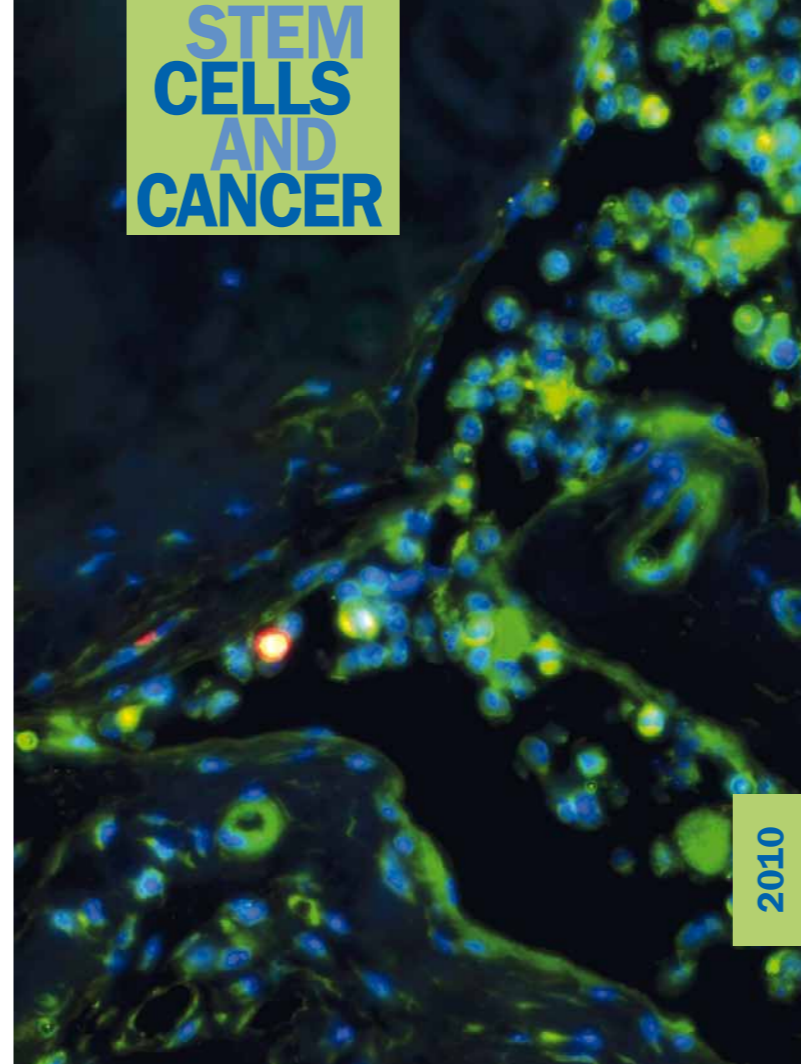
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Front cover: A. Trumpp, DKFZ, Heidelberg

STEM
CELLS
AND
CANCER



2010

6th International Heinrich F. C. Behr-Symposium

October 3 – 5, 2010

German Cancer Research Center (DKFZ), Heidelberg



Leopoldina
Nationale Akademie
der Wissenschaften

Speakers

Till **Acker**, Giessen
Hellmut G. **Augustin**, Heidelberg
Helen M. **Blau**, Palo Alto
Thomas **Brabletz**, Freiburg
Oliver **Brüstle**, Bonn
Peter **Carmeliet**, Leuven
Michael F. **Clarke**, Palo Alto
John E. **Dick**, Toronto
Bruce **Edgar**, Heidelberg
Tariq **Enver**, Oxford, UK
Marieke **Essers**, Heidelberg
Hanno **Glimm**, Heidelberg
Curtis C. **Harris**, Bethesda
Rudolf **Jaenisch**, Cambridge, USA
Catriona **Jamieson**, San Diego
Jürgen A. **Knoblich**, Vienna
Ron **McKay**, Bethesda
Luis F. **Parada**, Dallas
Pier Giuseppe **Pelicci**, Milan
Luca **Pellegrinet**, Lausanne
Thomas **Perlmann**, Stockholm
Jeremy N. **Rich**, Cleveland
Hans-Reimer **Rodewald**, Heidelberg
Varda **Rotter**, Rehovot
Lenhard **Rudolph**, Ulm
Hans R. **Schöler**, Münster
Jochen **Utikal**, Mannheim
Erwin F. **Wagner**, Madrid

Organizers

Joe B. Harford, Bethesda
Ron McKay, Bethesda
Andreas Trumpp, Heidelberg
Otmar D. Wiestler, Heidelberg