



# GermanStemCellNetwork

## 2<sup>nd</sup> International Annual Conference

of the German Stem Cell Network (GSCN)  
November 3-5, 2014

German Cancer Research Center (DKFZ)  
Heidelberg

### Conference Program

[www.gscn.org](http://www.gscn.org)



Federal Ministry  
of Education  
and Research



Technologiezentrum

**dkfz.**

GERMAN  
CANCER RESEARCH CENTER  
IN THE HELMHOLTZ ASSOCIATION

50 Years – Research for  
A Life Without Cancer



## Program

### MONDAY, November 3<sup>rd</sup>

11:00 – 12:00 Registration and light lunch

#### Opening

##### Lecture hall:

12:00 – 12:05 Welcome to the German Cancer Research Center (DKFZ):  
*Otmar Wiestler* (Chairman and Scientific Director, DKFZ)

12:05 – 12:15 *Andreas Trumpp* (Acting President, GSCN)

12:15 – 12:30 Opening remarks

*Bärbel Brumme-Bothe* (Department Head “Life Sciences”, BMBF)

12:30 – 13:15 **Keynote lecture I**

K1 - Exploring the hierarchical organization of colorectal cancer  
*Eduard Batlle*; Institute for Research in Biomedicine Barcelona, Spain  
(Chair: *Andreas Trumpp*) supported by Eppendorf AG

13:15 – 14:00 **Keynote lecture II**

K2 - Myocardial regeneration by ESC-derived cardiac progenitors  
*Philippe Menasché*; Hospital European George Pompidou, Paris, France  
(Chair: *Ulrich Martin*)

14:00 – 14:30 Coffee break / industry exhibition

#### Concurrent scientific working group session I

**Lecture hall: Stem cells in regenerative therapies I** (chair: *Ulrich Martin / Hans-Dieter Volk*)

14:30 – 14:50 Stem cells in regenerative therapies – Introduction  
*Ulrich Martin*; Rebirth / Hannover Medical School

14:50 – 15:05 T01 - Intranasal delivery of migratory neural stem/progenitor cells: A non-invasive passage to therapeutically target intracerebral brain tumors  
*Nils Ole Schmidt*; University Medical Center, Hamburg-Eppendorf

15:05 – 15:20 T02 - MicroRNA-181a promotes human neuronal differentiation by down-regulating genes involved in neural stem cell maintenance  
*Laura Stappert*; Institute of Reconstructive Neurobiology, Bonn

15:20 – 15:35 T03 - Pulmonary transplantation of multipotent- or pluripotent-stem cell derived macrophages as a novel treatment option for pulmonary alveolar proteinosis  
*Nico Lachmann*; Hannover Medical School

15:35 – 15:50 T04 - Human iPSC-derived MSC-like progenitor cells: functional differences from primary MSCs affecting their use in cartilage regenerative medicine  
*Solvig Diederichs*; University Hospital Heidelberg

15:50 – 16:00 Group discussion

**Room K 1: Stem cells in disease: cancer stem cells** (chair: *Thomas Brabletz / Andreas Trumpp*)

14:30 – 14:50 Concepts of cancer stem cells – Introduction  
*Andreas Trumpp*; German Cancer Research Center, Heidelberg

14:50 – 15:05 T05 - Shp2 Signaling is essential to the suppression of senescence in mammary gland cancer stem cells in mice  
*Linxiang Lan*; Max Delbrück Center, Berlin

15:05 – 15:20 T06 - Humanization of mouse models for human breast cancer using mesenchymal stem cells  
*Maxine Silvestrov*; Experimental Pharmacology & Oncology (EPO) GmbH, Berlin

15:20 – 15:35 T07 - Targeting the kinome to induce differentiation in human breast cancer stem cells  
*Jochen Maurer*; University Medical Center Freiburg

15:35 – 15:50 T08 - CD151+ cells drive tumor-initiation, hierarchical growth and proliferation-associated signaling in patient-derived models of serous ovarian cancer  
*Franziska Zickgraf*; German Cancer Research Center, Heidelberg

15:50 – 16:00 Group discussion

**Room K 2: Computational stem cell biology** (chair: *Georg Fuellen / Ingo Roeder*)

14:30 – 14:45 Computational stem cell biology – Overview and introduction  
*Ingo Roeder*; Dresden University of Technology

14:45 – 14:55 T09 - What makes stem cells move? Studying stem cell migration in vitro (back-to-back presentation with T10)  
*Michael Ansorge*; Leipzig University

14:55 – 15:05 T10 - What makes stem cells move? Studying stem cell migration in silico (back-to-back presentation with T09)  
*Axel Krinner*; Dresden University of Technology

15:05 – 15:20 T11 - Characterizing transcriptional cell-to-cell heterogeneities during stem cell differentiation  
*Fabian Theis*; Helmholtz Center Munich

15:20 – 15:35 T12 - A network-based strategy to direct cell fate determination  
*Antonio del Sol*; Luxembourg Center for Systems Biomedicine

15:35 – 15:50 T13 - Computational identification of pluripotency networks  
*Maryam Nazarieh*; Saarland University, Saarbrücken

15:50 – 16:00 Group discussion

**ZMBH (ground floor): Somatic stem cells** (chair: *Thomas Braun / Ana Martin-Villalba*)

14:30 – 14:50 Studies on somatic stem cells – an introduction  
*Thomas Braun*; Max Planck Inst. f. Heart and Lung Res., Bad Nauheim

14:50 – 15:05 T14 - The RNA helicase DDX6 regulates cell-fate specification in neural stem cells via miRNAs  
*Sarah Nicklas*; Luxembourg Center for Systems Biomedicine

15:05 – 15:20 T15 - Angiogenesis controls neural stem cell expansion by regulating tissue oxygenation and HIF signaling  
*Christian Lange*; VIB KU Leuven Campus, Belgium

- 15:20 – 15:35 T16 - Regulation of asymmetric/symmetric stem cell division in human epidermis  
*Katharina Nöske*; German Cancer Research Center, Heidelberg
- 15:35 – 15:50 T17 - Clonal heterogeneity within the exocrine pancreas  
*Damian Wollny*; German Cancer Research Center, Heidelberg
- 15:50 – 16:00 Group discussion

16:00 – 16:15 Coffee break / industry exhibition

**16:15 – 18:15 Poster session I: P001 – P097** supported by Fluidigm Europe B.V.  
(posters will be displayed in the tent)  
P001 – P017: Pluripotency and embryonic stem cells  
P018 – P038: Programming and reprogramming  
P039 – P061: Stem cells in development  
P062 – P072: Somatic stem cells  
(posters will be displayed in front of room K 1+2)  
P073 – P097: Hematopoietic stem cells

Even numbers: please present your poster from 16:15 – 17:15  
Uneven numbers: 17:15 – 18:15

18:15 – 19:15 Dinner

#### Lecture hall:

- 19:15 – 20:45 GSCN General Membership Meeting
- 20:45 – 21:30 Get-together

## TUESDAY, November 4<sup>th</sup>

### Concurrent scientific working group session II

#### Lecture hall: Stem cells in disease modeling and drug development

(chair: *Oliver Brüstle / Karl-Ludwig Laugwitz*) supported by Lonza Cologne GmbH

- 09:00 – 09:20 The use of stem cells in disease modeling and drug development – Overview  
*Oliver Brüstle*; Institute of Reconstructive Neurobiology, Bonn
- 09:20 – 09:35 T18 - Probing mitochondrial DNA disorders using iPSC-derived neural progenitors  
*Alessandro Prigione*; Max Delbrück Center, Berlin
- 09:35 – 09:50 T19 - Modeling Dravet syndrome in iPS cell-derived neurons  
*Matthias Hebisch*; Institute of Reconstructive Neurobiology, Bonn
- 09:50 – 10:05 T20 - The functionality of stem cell derived neurons: How to define it?  
*Sebastian Illes*; Inst. of Molecular Reg. Medicine, Salzburg, Austria
- 10:05 – 10:20 T21 - Modeling and pharmacological rescue of ion channel diseases enabled by improved cardiac induction of human pluripotent stem cells in 2D and 3D formats  
*Boris Greber*; Max Plank Institute for Molecular Biomedicine, Münster
- 10:20 – 10:30 Group discussion

#### Room K 1+2: Pluripotency and embryonic stem cells (chair: *James Adjaye / Mathias Treier*)

- 09:00 – 09:20 Pluripotency and embryonic stem cells: Introduction and overview  
*James Adjaye*; University Hospital of Düsseldorf
- 09:20 – 09:35 T22 - Primate-specific endogenous retrovirus driven transcription defines naïve-like stem cells  
*Jichang Wang*; Max Delbrück Center, Berlin
- 09:35 – 09:50 T23 - A novel lncRNA-protein interaction characterizes mouse embryonic stem cell fate  
*Debojyoti Chakraborty*; Dresden University of Technology
- 09:50 – 10:05 T24 - NANOG and CDX2 pattern distinct subtypes of human mesoderm during exit from pluripotency  
*Sasha Mendjan*; Cambridge Stem Cell Institute, United Kingdom
- 10:05 – 10:20 T25 - Insights from the streak: identification of novel genes associated with germ-layer formation and mesendoderm differentiation  
*Cantas Alev*; RIKEN Center for Developmental Biology, Kobe, Japan
- 10:20 – 10:30 Group discussion

#### ZMBH (ground floor): Stem cells in development (chair: *Jan Lohmann / Francesca Spagnoli*)

- 09:00 – 09:15 Stem cells in development – Overview  
*Jan Lohmann*; Centre for Organismal Studies Heidelberg
- 09:15 – 09:30 T26 - Tet-dependent processing of 5-methylcytosine protects DNA methylation canyons against hypermethylation  
*Achim Breiling*; German Cancer Research Center, Heidelberg

- 09:30 – 09:45 T27 - PIEZO2 is required for mechanotransduction in human ES-cell-derived touch receptors  
*Katrin Schrenk-Siemens*; University of Heidelberg
- 09:45 – 10:00 T28 - Transcriptional and epigenetic dynamics underlying cell lineage commitment  
*Filippo M. Cernilogar*; Ludwig Maximilian University, Munich
- 10:00 – 10:15 T29 - The histone 3 lysine 4 methyltransferase Mll2 primes the Nxt2 promoter for neural differentiation  
*Katrin Neumann*; Dresden University of Technology
- 10:15 – 10:30 T30 - Signals from the injury niche increase fate potential of adult neural stem cells  
*Enric Llorens Bobadilla*; German Cancer Research Center, Heidelberg
- 10:30 – 11:15 Coffee break / industry exhibition

### Industry session: “Technologies from GSCN industry partners”

#### Lecture hall: Main supporters

- 11:15 – 11:20 Introduction (*Andreas Trumpp*)
- 11:20 – 11:50 C01 - High throughput screening using iPSC-based models  
*Jared Sternecker*; CRT Dresden, representing PeproTech GmbH
- 11:50 – 12:20 C02 - Controlling expansion and cardiomyogenic differentiation of human pluripotent stem cells in scalable suspension culture  
*Robert Zweigerdt*; MH Hannover, representing Eppendorf AG
- 12:20 – 12:50 C03 - Raw materials in the manufacture of advanced therapies medicinal products: Quality attributes and quality assurance  
*Bernd Leistler*; CellGenix GmbH

#### Room K 1+2: Supporters

- 11:15 – 11:20 Introduction (*Michael Cross*)
- 11:20 – 11:50 C04 – Efficient neural and cardiac differentiation systems for iPSC  
*Mohan C. Vemuri*; Life Technologies GmbH
- 11:50 – 12:20 C05 - Cell-based gene delivery leverages conventional immunotherapy for cancer; Treatment of advanced gastrointestinal cancer in a phase I/II trial with modified autologous MSC\_apceth\_101  
*Volker Scherhammer*; apceth GmbH & Co. KG
- 12:20 – 12:50 C06 - Scalable enzyme-free protocols for the isolation and maintenance of human induced pluripotent stem cells without mechanical colony scraping  
*Alexandra Blak*; STEMCELL Technologies SARL

#### ZMBH (ground floor): Supporters

- 11:15 – 11:20 Introduction (*Torsten Tonn*)
- 11:20 – 11:50 C07 - The future is counting – Digital analysis of RNA, DNA and protein biomarkers  
*Maik Pruess*; NanoString Technologies Germany GmbH
- 11:50 – 12:20 C08 – Primate iPSC cells as tools for evolutionary analyses  
*Wolfgang Enard*; Ludwig Maximilians University, Munich; representing Fluidigm Europe B.V.

- 12:20 – 12:50 C09 – Building bridges from research to therapy: A roadmap for the successful generation of clinical-grade iPSCs  
*Thomas Fellner*; Lonza Cologne GmbH

- 12:50 – 14:30 Lunch buffet / industry exhibition / poster viewing  
supported by STEMCELL Technologies SARL

- 13:15 – 14:15 **Room K 1+2:** Explaining science and motivating people – Outreach materials for stem cell research (*Tobias Cantz / Ira Herrmann*)

### Concurrent strategic working group session A

#### Lecture hall: Career development (chairs: *Hartmut Geiger / Insa Schröder*)

- 14:30 – 14:45 Careers in industry, *Andreas Bosio*; Miltenyi GmbH, Berg. Gladbach
- 14:45 – 15:00 Careers in science administration, *Hella Lichtenberg*; DLR Bonn
- 15:00 – 15:15 Careers in academia, *Hartmut Geiger / Insa Schröder*
- 15:15 – 15:30 Panel discussion

#### Room K 1+2: Clinical trials and regulatory affairs I

(chair: *Andreas Kurtz / Torsten Tonn / Hans-Dieter Volk*) supported by apceth GmbH & Co. KG

- 14:30 – 14:50 Development of iPSC cell-based cardiac therapy  
*Ulrich Martin*, MH Hannover
- 14:50 – 15:10 Regulatory challenges of stem cell-based medicinal products  
*Egbert Flory*; Paul Ehrlich Institute, Langen
- 15:10 – 15:30 Group discussion

#### ZMBH (ground floor): Large scale banking of human pluripotent stem cells – workshop

(chair: *Andreas Kurtz / Joana Namorado*)

- 14:30 – 14:45 Biomedical applications of iPSC cell technology  
*Angel Raya*; CMRB Barcelona
- 14:45 – 15:00 The need for large-scale iPSC collections - a pharma perspective  
*Alex Gutteridge*; Pfizer
- 15:00 – 15:15 Delivery of human pluripotent stem cells for therapy: Phase IV of the UK Stem Cell Bank Project  
*Lyn Healy*; UK Stem Cell Bank, South Mimms, U.K.
- 15:15 – 15:30 The relaunch of the human pluripotent stem cell registry (hESCreg)  
*Andreas Kurtz*; BCRT Berlin

- 15:30 – 15:45 Short break

### Concurrent strategic working group session B

#### Lecture hall: Stem cell technologies (chair: *Andreas Bosio / Frank Emmrich*)

- 15:45 – 15:50 Introduction: *Andreas Bosio*, Miltenyi GmbH, Berg. Gladbach
- 15:50 – 16:05 Methods of genetic engineering  
*Claudio Mussolino*; University of Freiburg

- 16:05 – 16:20 Reprogramming technologies  
*Micha Drukker; Helmholtz Center Munich*
- 16:20 – 16:35 Methods of laser cell printing  
*Boris Chichkov; Laser Center Hannover (LZH)*
- 16:35 – 16:45 Group discussion

**Room K 1+2: Clinical trials and regulatory affairs II**(chair: *Andreas Kurtz / Torsten Tonn / Hans-Dieter Volk*)

- 15:45 – 16:05 Placenta expanded mesenchymal (PLX) cells– preclinical data for preparing clinical trials  
*Lena Pinzur; PluriStem Therapeutics Inc., Haifa, Israel*
- 16:05 – 16:25 PLX cells – from preclinical to clinical studies – what did we learn so far from biomarker studies?  
*Hans-Dieter Volk; Berlin-Brandenburg Center for Reg. Therapies (BCRT)*
- 16:25 – 16:45 Panel discussions

**ZMBH (ground floor): Funding opportunities for young and advanced scientists**(chair: *Hartmut Geiger / Albrecht Müller*)

- 15:45 – 16:30 Funding opportunities of the DFG for stem cell scientists at various career stages  
*Eckard Picht; German Research Foundation (DFG), Bonn*
- 16:30 – 16:45 Group discussion

**16:45 – 17:15 Coffee break / industry exhibition**

- 16:45 – 17:45 **DKFZ Mensa:** Meet-the-expert table: *Stem cell technologies – genetic engineering (Claudio Mussolino) limited to 10 registered participants*

**17:15 – 19:15 Poster session II: P098 – P187**

(posters will be displayed in the tent)

P098 – P129: Stem cells in regenerative therapies

P130 – P161: Stem cells in disease modeling and drug development

(posters will be displayed in front of room K 1+2)

P162 – P178: Stem cells in disease: Cancer stem cells

P179 – P187: Computational stem cell biology

Even numbers: please present your poster from 17:15 – 18:15

Uneven numbers: 18:15 – 19:15

- 19:15 – 20:00 Free bus shuttle to Networking Evening  
(busses will depart from the DKFZ main entrance)
- 20:00 – 01:00 Networking Evening with dinner buffet at Schlosshotel “Molkenkur”  
Klingenteichstr. 31, 69117 Heidelberg (www.molkenkur.de)  
(Opening: *Oliver Brüstle*) (included in the registration fee)

supported by CellGenix GmbH

**WEDNESDAY, November 5<sup>th</sup>****Concurrent scientific working group session III****Lecture hall: Hematopoietic stem cells** (chair: *Anthony Ho / Claudia Waskow*)

- 09:00 – 09:20 Introduction “Hematopoietic stem cells”  
*Claudia Waskow; Technical University Dresden*
- 09:20 – 09:35 T31 - Stroma-derived osteopontin regulates hematopoietic stem and progenitor cells function upon aging  
*Novella Guidi; University of Ulm*
- 09:35 – 09:50 T32 - Identification of regulatory networks in HSCs and their immediate progeny via integrated proteome, transcriptome, and DNA methylome analysis  
*Daniel Klimmeck; German Cancer Research Center, Heidelberg*
- 09:50 – 10:05 T33 - Kit deficiency regulates stable human hematopoietic stem cell engraftment in mice  
*Susann Rahmig; Technical University Dresden*
- 10:05 – 10:20 T34 - STAT5-regulated miRNA193b controls hematopoietic stem and progenitor cell expansion by fine tuning cytokine signaling  
*Nadine Hätscher; University Hospital Frankfurt*
- 10:20 – 10:30 Group discussion

**Room K 1+2: Programming and reprogramming** (chair: *Micha Drukker / Frank Edenhofer*)

- 09:00 – 09:15 Introduction to re-programming  
*Frank Edenhofer; University of Würzburg*
- 09:15 – 09:30 T35 - Selective gene delivery into human iPS cells based on CD30-targeted lentiviral vectors  
*Thorsten Friedel; Paul Ehrlich Institute, Langen*
- 09:30 – 09:45 T36 - Generation of iPS cells from young vs. aged cell sources – influence of donor age on reprogramming efficiency and genetic stability of iPS clones  
*Katarzyna Osetek; LEBAO / Hannover Medical School*
- 09:45 – 10:00 T37 - Mesenchymal stem cells derived from iPS cells from aged individuals acquire fetal characteristics  
*Lucas Spitzhorn; University Hospital of Düsseldorf*
- 10:00 – 10:15 T38 - TRIM32, a dual player regulating the entry and exit from pluripotency  
*Lamia'a Bahnassawy; University of Luxembourg*
- 10:15 – 10:30 T39 - Robust generation of cardiomyocytes from human iPS cells requires precise modulation of Bmp and Wnt signaling  
*Asifiqbal Kadari; Julius Maximilians University, Würzburg*

**DKFZ SR 4<sup>th</sup> floor: Stem cells in regenerative therapies II** (chair: *Michael Cross / Frank Emmrich*)  
H2.04.073*The meeting point for this session is at the registration desk!*

- 09:00 – 09:15 Introduction to session II stem cells in regenerative therapies  
*Michael Cross; University of Leipzig*



- 09:15 – 09:30 T40 - Efficient generation of functionally defined iPSC-derived human neural stem/progenitor cells and oligodendrocytes  
*Giacomo Frati*; San Raffaele Scientific Institute, Milan, Italy
- 09:30 – 09:45 T41 - Aging affects the mesenchymal stem cell derived oligodendrogenic / remyelination activities: implication for a potential therapy of multiple sclerosis  
*Francisco J. Rivera*; Paracelsus Medical University, Salzburg, Austria
- 09:45 – 10:00 T42 - The european project REBORNE: Multipotent mesenchymal stromal cells and biomaterial for bone healing  
*Alexander Erle*; Ulm University Hospital
- 10:00 – 10:15 T43 - Identification, isolation and targeted inhibition of a fibroblast lineage responsible for scarring and cancer stroma  
*Yuval Rinkevich*; Stanford Institute for Stem Cell Biology and Regenerative Medicine, U.S.A.
- 10:15 – 10:30 T44 - Proofing the (Un)Proven: Proven or approved stem cell therapies – that is the question  
*Bianca Büchner*; Center for Ethics and Law in the Life Sciences (CELLS), Hannover
- 10:30 – 11:00 Coffee break / industry exhibition

### Concurrent workshops

**Lecture hall: Clinical relevance of animal models in stem cell research and regenerative medicine** (chair: *Georg Duda / Frank Emmrich*)  
(Workshop of the 'Regenerative Medicine Initiative Germany (RMIG)')

- 11:00 – 11:20 Introduction: Animal models in research for regenerative medicine  
*Axel Haverich*; Rebirth / Hannover Medical School
- 11:20 – 11:30 Cell transplantation into pre-clinical models of retinal degeneration  
*Marius Ader*; Center for Regenerative Therapies Dresden
- 11:30 – 11:40 Medical devices and the application of stem cells  
*Konrad Kohler*; zrm, Tübingen University Hospital
- 11:40 – 11:50 Regenerative medicine for an aging society: How relevant are our current animal models?  
*Georg Duda*; BCRT Berlin
- 11:50 – 12:00 Heterogeneity, age, comorbidities and the translational failure – can we do better in projecting from preclinical stem cell studies to clinical trials?  
*Johannes Boltze*; TRM Leipzig
- 12:00 – 12:10 Hurdles for clinical translation of regenerative stem cell therapy – lessons learned from the cardiac Phase III PERFECT multicenter trial  
*Gustav Steinhoff*; RTC Rostock
- 12:10 – 12:30 Panel discussion

**Room K 1+2: Big pharma and the stem cell field – matching expectations?**  
(organizer: *Oliver Brüstle / Ira Herrmann*)  
(Workshop of the Stem Cell Network North Rhine Westphalia)

Panel:

*Oliver Brüstle*; LIFE & BRAIN GmbH, Bonn  
*Ralf Heilker*; Boehringer Ingelheim Pharma GmbH & Co. KG, Div. Research Germany  
*Jörg Hüser*; Bayer Pharma AG, Lead Discovery Wuppertal  
*Bert Klebl*; Lead Discovery Center GmbH, Dortmund  
Moderation: *Ira Herrmann*; Stem Cell Network NRW, Düsseldorf

**ZMBH (ground floor): Proceedings of the German Society for Stem Cell Research (GSZ e.V.)**  
(chair: *Jürgen Hescheler*)

- 11:00 – 11:10 Introduction
- 11:10 – 11:30 Sinus nodal cells from pluripotent stem cells  
*Robert David*; Reference and Translation Center for Cardiac Stem Cell Therapy (RTC), Rostock
- 11:30 – 11:50 Chondrogenic lineage determination during differentiation of mouse embryonic stem cells  
*Jürgen Rohwedel*; University of Lübeck
- 11:50 – 12:10 Use of transcriptomics and epigenetic approaches in human ESC-based developmental neuro toxicology (DNT) testing  
*Tanja Waldmann*; University of Konstanz
- 12:10 – 12:30 Long term culture of iPSC-derived cardiomyocytes on mechanically-defined substrates  
*Carlos Heras*; University of Cologne

12:30 – 12:45 Short break

**Lecture hall:**

12:45 – 13:30 **Keynote lecture III**  
K3 - Molecular and cellular regulation of muscle stem cells during development and regeneration  
*Shahragim Tajbakhsh*; Institute Pasteur, Paris, France  
(Chair: *Oliver Brüstle*)

13:30 – 15:00 Lunch buffet / industry exhibition

supported by Nanostring Technologies Germany GmbH

13:45 – 14:45 **Room K 1+2: Explaining science and motivating people – Outreach materials for stem cell research** (*Tobias Cantz / Ira Herrmann*)

13:45 – 14:45 **DKFZ Mensa: Meet-the-expert table: Stem cell technologies – laser printing** (*Boris Chichkov*) and – *reprogramming technologies* (*Micha Drukker*) limited to 10 registered participants each

### Closing ceremony

**Lecture hall:**

- 15:00 – 15:15 Poster award ceremonies and announcement of industry quiz winners  
(*Daniel Besser*; GSCN)  
supported by PeproTech GmbH
- 15:15 – 15:30 Outlook and closing remarks  
Incoming president: *Thomas Braun*

- 15:30 – 16:15 **Keynote lecture IV – Joined session with the 6<sup>th</sup> BMBF symposium – Adult neural stem cells** (Chair: *Magdalena Götz / Ana Martin-Villalba*)  
K4 - Modeling human brain development and disease in 3D culture  
*Jürgen Knoblich*; Institute of Molecular Biotechnology (IMBA)  
Vienna, Austria supported by Life Technologies GmbH
- 16:15 – 17:00 K5 - Adult hippocampal neurogenesis: What are new neurons good for?  
And what is good for them?  
*Amelia Eisch*; UT Southwestern, Dallas, U.S.A.
- 17:00 – 17:45 K6 - A mechanism for the segregation of age in mammalian neural stem cells  
*Sebastian Jessberger*; University of Zurich, Switzerland

### End of GSCN conference

#### Announcements:

- 18:30 – 20:00 Public outreach event of the GSCN in collaboration with the Schering Stiftung and the DKFZ (in German)  
**Stammzellen als Chance – Realität und Perspektiven**  
Podiumsdiskussion zur aktuellen Forschung in Labor und Klinik  
  
Panel: *Magdalena Götz* (LMU München), *Anthony Ho* (Uni. Heidelberg),  
*Andreas Trumpp* (DKFZ)  
Moderation: *Stefanie Seltmann* (DKFZ)

- 20:00 – 21:00 Reception public outreach event

and

#### November 6<sup>th</sup>, 2014 – GSCN Satellite Event: 6<sup>th</sup> BMBF Symposium – Adult neural stem cells

The program of the satellite event is available at the reception desk.

Supported by:

