



GermanStemCellNetwork

VIRTUAL

8th Annual GSCN Conference

23 – 25 September 2020

www.gscn.org



Program

Supported by



Federal Ministry
of Education
and Research

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Welcome address



Dear Friends and Colleagues,

It is a great pleasure to welcome you to the **8th Annual GSCN Conference of the German Stem Cell Network (GSCN)** in your home or your office, as we are going virtual this year. The conference will cover novel and latest findings in stem cell biology. It continues to foster interactions between researchers working on different types of stem cells, including pluripotent stem cells, adult stem cells, stem cells in development, stem cells in aging and cancer stem cells.

This year, we move towards the likely future, at warp speed. We worked very hard to turn the conference into a virtual meeting with chances to meet, discuss and exchange news. A good example for these new possibilities will be our virtual poster sessions.

As in any other year, most of the oral presentations have been selected from submitted abstracts, and excellent scientific contributions to the meeting will receive awards. We will have outstanding keynotes to provide perspectives and guidance from leaders in the field. We welcome Christine Mummery (Leiden, NL), Bertie Göttgens (Cambridge, UK), Shahragim Tajbakhsh (Paris, FR), Jonathan Kimmelman (Montreal, CAN) and Marius Wernig (Stanford, US) to present their most recent findings as well as Christine Mummery for a special session about COVID-related research in the stem cell field. Additionally, a virtual non-PI meeting will give young scientists a chance to discuss trouble-related topics – after the times of lockdown and home office this will serve as a crucial platform for exchange. This year's focus of the ELSA ethics symposium will also be COVID19.

The Industry remains a strong partner with an industry exhibition with a strong virtual presence in full multimedia presentation mode.

The GSCN is a network of like-minded people that get excited about stem cells, and many of them are more than just colleagues to me. They are good friends, and we were all looking forward to seeing each other at our annual event. While we will need to miss that this year, there is an excellent chance to meet again in person at the beginning of October in 2021 in Ulm for our 9th Annual GSCN Conference.

I hope you will enjoy this conference, and the new format!

Best wishes,

A handwritten signature in blue ink, appearing to read 'Hartmut Geiger', written in a cursive style.

Hartmut Geiger (*GSCN Acting President*)

For the program committee

Daniel Besser (Berlin) • Nina Cabezas-Wallscheid (Freiburg) •
Hartmut Geiger (Ulm) • Alexander Kleger (Ulm) •
Heiko Lickert (München) • Stefan Liebau (Tübingen) •
Ana Martin-Villalba (Heidelberg) • Hans Schöler (Münster)

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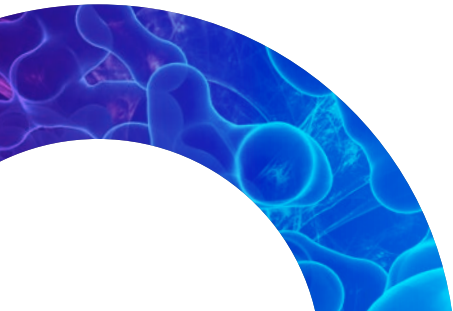
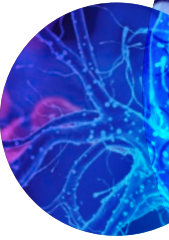


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Conference Information

Virtual venue

You will find the landing page for the Virtual 8th Annual GSCN Conference here
https://gscn2020-gscn.ipostersessions.com/Default.aspx?s=gscn_2020_landing_page

Date

Wednesday, 23 September – Friday, 25 September 2020

Organizer

German Stem Cell Network (GSCN)

c/o Max Delbrück Center (MDC)

Robert-Rössle-Str. 10

13125 Berlin

phone: +49 30 9406 2487

e-mail: gscn.office@mdc-berlin.de

web: www.gscn.org

Conference app

The GSCN conference app will be available for you again this year. The GSCN conference app provides all specifications about the scientific program and all general information about the Annual GSCN Conference. The conference app is available here <http://gscn-webapp.vcongress.de>

Poster exhibition

All posters will be displayed in the Poster Gallery throughout the whole conference. Conference participants can contact you via a button on your poster and you will have the opportunity to discuss your research in a separate video room with other participants. Please use this opportunity to get in contact and network.

Poster session I

Wednesday, 23 September 2020, 17:30 – 19:30 h
Even numbers will be presented 17:30 – 18:30 h and
odd number will be presented 18:30 – 19:30 h

Poster session II

Thursday, 24 September 2020, 16:30 – 18:30 h
Even numbers will be presented 16:30 – 17:30 h and
odd number will be presented 17:30 – 18:30 h

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Code of Conduct for the 8th Virtual Annual GSCN Conference

Anti-Harassment

The GSCN Conference is dedicated to providing a harassment-free learning experience for everyone, regardless of gender, age, sexual orientation, disability, ethnicity, religion (or lack thereof) or manner of articulation. Harassment of participants in any form is not tolerated by the GSCN. All forms of communication should be appropriate for a professional audience.

The use of any device to capture images (e.g. cameras and camera phones) or sound (e.g. tape and digital recorders) or stream, upload or rebroadcast speakers or presentations from this online conference is strictly prohibited. This applies to both oral presentations and posters.

The sessions will be recorded and uploaded on the conference website until the end of October. Participants may access the recordings using their personal login.

GSCN Awards

Poster Awards

There will be four poster awards. The awardees will receive 500 €. Authors are asked to be present at the poster award ceremony, which will take place on Friday, 25 September 2020 at 16:45 – 17:05.

The poster awards are supported by the member companies Takara Bio Europe & Thermo Fisher Scientific.



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Scientific Awards 2020

A top-class commission supported the GSCN in selecting this year's awardees. The three awardees will give a presentation in the Presidential Symposium on Thursday, 24 September 2020, 2:00 – 4:15 or 2:45 – 4:15 PM.

- **GSCN Young Investigator Award 2020:** *Barbara Treutlein*, MPI for Evolutionary Anthropology, Leipzig & ETH Zürich, D-BSSE, Basel, CH
- **GSCN Female Scientist Award 2020:** *Edith Heard*, EMBL, Heidelberg
- **The GSCN Best Publication of the Year Award 2020:** *Sergiy Velychko, Hans Schöler*, MPI Münster, Münster, Germany) for their publication "Excluding Oct4 from Yamanaka Cocktail Unleashes the Developmental Potential of iPSCs", released 2019 in the journal *Cell Stem Cell* (<https://pubmed.ncbi.nlm.nih.gov/31708402/>).

Gold Supporters



Silver Supporters



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Exhibitors



Program

Wednesday, 23 September

Opening

- 11:00 – 11:15 **Welcome address to the GSCN Annual Conference 2020**
Hartmut Geiger, President GSCN
- 11:15 – 11:30 Housekeeping remarks on the Virtual 8th Annual GSCN Conference
Daniel Besser
- 11:30 – 12:15 **Keynote lecture I**
K1 – Regulation of mouse skeletal muscle stem cells and niche
Shahragim Tajbakhsh, Institute Pasteur, Paris, FR
(Chairs: *Heiko Lickert* / *Nina Cabezas-Wallscheid*)*
- 12:15 – 13:00 **Keynote lecture II**
K2 – Development and maintenance of the blood system
Bertie Göttgens, University of Cambridge, UK
(Chairs: *Heiko Lickert* / *Nina Cabezas-Wallscheid*)

* The chair listed first will moderate the sessions, the chair listed second will guide the Q&A rounds after the talks.

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Miltenyi Biotec

13:00 – 14:30 Break time / Industry exhibition

- 13:10 – 13:30 Meet the speakers corner (Meet & Greet – Networking Spaces)
Meeting room 1: Discussion with *Shahragim Tajbakhsh* chaired by *Heiko Lickert*
Meeting room 2: Discussion with *Bertie Göttgens* chaired by *Nina Cabezas-Wallscheid*

Concurrent scientific working group session I

- 14:30 – 16:00 **Stem cells in disease modeling and drug development** supported by Miltenyi Biotec
(Chairs: *Oliver Brüstle* / *Bert Klebl*)
- 14:30 – 15:00 T01 – Protein homeostasis plays a critical role in buffering RNA-binding protein phase behavior during ALS and can be rescued by drugs inducing autophagy
Jared Sternecker, CRTD/TU Dresden
- 15:00 – 15:15 T02/P065 – Generation and correction of mutations in human iPS cells utilizing CRISPR-mediated HDR, base editors or prime editors
Katrin Neumann, TU Dresden
- 15:15 – 15:30 T03/P078 – Detection of deleterious on-target effects after HDR-mediated CRISPR editing
Isabel Weisheit, LMU Munich
- 15:30 – 15:45 T04/P076 – The influence of the 9p21 CAD risk locus on vascular calcification – an iPSC model
Anja Trillhaase, University Lübeck
- 15:45 – 16:00 T05/P081 – Extracellular components of the myelodysplastic stromal bone marrow microenvironment as potential therapeutic target
Manja Wobus, University Hospital Dresden
- 14:30 – 16:00 **Somatic stem cells and development** supported by VectorBuilder
(Chairs: *Thomas Braun* / *Ana Martin-Villalba*)
- 14:30 – 15:00 T06 – Human intestinal organoid models reveal fundamental differences between stem cell and differentiated cells response to enteric pathogens
Steeve Boulant, DKFZ, Heidelberg
- 15:00 – 15:15 T07/P043 – A spatially resolved single cell atlas of human gastrulation
Elmir Mahammadov, Helmholtz Zentrum München
- 15:15 – 15:30 T08/P036 – 3D biomimetic implantation niche reveals the first interactions of the embryo and the maternal blood vessels
Ivan Bedzhov, MPI f. Molecular Biomedicine, Münster
- 15:30 – 15:45 T09/P040 – Transcriptional regulation by TAF4a is required for chromatin organization, genome stability, and maintenance of muscle stem cells
Angelina Georgieva, MPI f. Heart and Lung Research, Bad Nauheim

- 15:45 – 16:00 T10/P047 – The plasticity of liver epithelial cells during homeostasis, regeneration and tumor formation
Tianliang Sun, Novartis Institute of Biomedical Research (NIBR), Basel, CH
- 14:30 – 16:00 **Computational stem cell biology**
(Chairs: *Georg Fuellen / Carsten Marr*)
- 14:30 – 15:00 T11 – Modeling cellular state and dynamics in single cell genomics
Fabian Theis, Helmholtz Zentrum, Munich
- 15:00 – 15:15 T12/P003 – Oct4 pioneers genomic nucleosomes in motion
Jan Huertas, MPI f. Molecular Biomedicine, Münster
- 15:15 – 15:30 T13/P006 – Cell-cell communication through FGF4 generates and maintains robust proportions of differentiated cell types in embryonic stem cells
Christian Schröter, MPI of Molecular Physiology, Dortmund
- 15:30 – 15:45 T14/P002 – Revealing stem cell self-renewal strategies by clonal data: limitations and opportunities
Philip Greulich, Uni. Southampton, UK

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Life Sciences

- 15:45 – 16:00 T15/P007 – Computational modeling reveals cell-cycle dependent kinetics of H4K20 methylation states during *Xenopus* embryogenesis
Lea Schuh, Helmholtz Zentrum München
- 16:00 – 16:30 **Break time / Industry exhibition**
- 16:30 – 17:30 **GSCN General Membership Meeting**
GSCN Executive Board
- 17:30 – 19:30 **Poster session I**
All poster can be viewed in the poster sessions on Wednesday and Thursday, please visit the presenters in their contact rooms.
- 19:45 – 20:30 **Keynote lecture III**
K3 – Stem cell clinical translation refracted through COVID19
Jonathan Kimmelman, McGill University, Montreal, Canada
(Chairs: *Sara Gerke* / *Tobias Cantz*)
- 20:40 – 21:00 Meet the speakers corner (Meet & Greet – Networking Spaces)
Meeting room 1: Discussion with *Jonathan Kimmelman* chaired by *Sara Gerke*

Thursday, 24 September

- 09:00 – 10:30 **Concurrent scientific working group session II**
- 09:00 – 10:30 **Organoids: new models for diseases**
(Chairs: *Alexander Kleger* / *Stefan Liebau*)
supported by PELOBiotech
- 09:00 – 09:30 T16 – Stem cell derived organoids as tissue models in health and disease
Sina Bartfeld, Julius Maximilians Universität Würzburg
- 09:30 – 09:45 T17/P044 – Cardioids reveal self-organizing principles of human cardiogenesis
Sasha Mendjan, IMBA Vienna, AT
- 09:45 – 10:00 T18/P051 – Modeling glioma in human brain organoids
Jay Gopalakrishnan, University Düsseldorf
- 10:00 – 10:15 T19/P059 – Modeling plasticity and dysplasia of pancreatic ductal organoids derived from human pluripotent stem cells
Jessica Merkle, University Ulm
- 10:15 – 10:30 T20/P009 – Exocrine pancreas on-chip: differentiation of human induced pluripotent stem cells to pancreatic ductal-like organoids at single-cell resolution
Sandra Wiedenmann, Helmholtz Zentrum München

- 09:00 – 10:30 **Stem cells in regenerative therapies: mesenchymal stromal cells** supported by Peprotech
(Chairs: *Richard Schäfer / Wolfgang Wagner*)
- 09:00 – 09:30 T21 – The roles of motility and endothelial adhesion for mesenchymal stromal cell therapies efficacy
Richard Schäfer, DRK-Blutspendedienst Baden-Württemberg-Hessen, Frankfurt
- 09:30 – 09:45 T22/P099 – Dissecting the angiogenic potential of adipose-derived mesenchymal stromal cells in diabetic retinopathy
Agnese Fiori, Medical Faculty Mannheim, Heidelberg University
- 09:45 – 10:00 T23/P104 – Bone marrow transplantation impairs the regenerative capacity of the niche
Christina Schreck, TU Munich
- 10:00 – 10:15 T24/P102 – Hypoxia conditioned mesenchymal stem cell-derived extracellular vesicles induce increased in vitro vascular tube formation
Ciarra Almeria, BOKU Vienna, AT
- 10:15 – 10:30 T25/P106 – The vascular nature of lung resident mesenchymal stem cells
Jennifer Steens, University Hospital Essen



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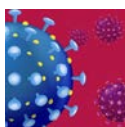
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- 09:00 – 10:30 **Stem cells in disease: cancer stem cells** supported by CytoSmart Technologies
(Chairs: *Thomas Brabletz / Andreas Trumpp*)
- 09:00 – 09:30 T26 – Cancer stem cell plasticity: from cell of origin to colon cancer progression
Rene Jackstadt, HI-STEM Heidelberg
- 09:30 – 09:45 T27/P052 – Inducible expression of KLF4 eradicates patients' B-cell leukemia stem cells in vivo
Irmela Jeremias, Helmholtz Zentrum München
- 09:45 – 10:00 T28/P049 – Genome-wide cooperation of the EMT-transcription factor ZEB1 with YAP and AP-1 in aggressive breast cancer types
Nora Feldker, FAU University Nürnberg-Erlangen
- 10:00 – 10:15 T29/P053 – IREB2 protein is important for the iron level control in acute myeloid leukemia
Anastasia Parmon, Goethe University Frankfurt
- 10:15 – 10:30 T30/P050 – Identification of molecular and functional roles of leukemic stem cells that drive DNMT3A mutant AMLs with distinct clinical outcomes
Elisa Donato, HI-STEM/DKFZ, Heidelberg
- 10:30 – 11:00 **Break time / Industry exhibition**
- 11:00 – 12:30 **Industry session: „Technologies from GSCN industry partners“**
- 11:00 – 12:30 **Gold supporter**
(Chairs: *Federico Calegari / Elvira Mass*)
- 11:00 – 11:30 C01 – Stem cell derived exosome production in stirred-tank bioreactors
Philipp Nold, Bioprocess Center, Eppendorf AG
- 11:30 – 12:00 C02 – Isolate them, expand them and use them to treat life threatening conditions: the story of MSCs and NutriStem
Oren Ben-Yosef, Biological Industries
- 12:00 – 12:30 C03 – Multiomics single cell and spatial gene expression analysis using 10x Genomics solution
Hannes Arnold, 10x Genomics
- 11:00 – 12:30 **Silver Supporter I**
(Chairs: *Michael Rieger / Michael Cross*)
- 11:00 – 11:30 C04 – Spot on: pluripotent stem cell differentiation ... and translation
Sebastian Knöbel, Miltenyi Biotec B.V. & Co. KG
- 11:30 – 12:00 C05/P071 – Advance disease modeling and drug discovery using novel hiPSC-derived hepatocytes and intestinal epithelial cells
Malathi Raman, Takara Bio Europe
- 12:00 – 12:30 C06/P109 – CERO 3D Incubator and Bioreactor – a showcase of different successful approaches improving 3D cell models
Amir Keric, OLS OMNI Life Science

11:00 – 12:30 Silver Supporter II*(Chairs: Alexander Kleger / Claudia Waskow)***11:00 – 11:30 C07 – Advanced tools for genome engineering in iPSCs***Louise Baskin, Product Management / R&D, Thermo Fisher Scientific, Carlsbad, CA***11:30 – 12:00 C08 – DURA innovations dry reagent technology for rigor in phenotypic characterization of human mesenchymal and hematopoietic stem cells***Michael Kapinsky, Flow Cytometry, Beckman Coulter Life Sciences***12:00 – 12:30 C09 – PSC-derived human microglia are useful for modeling neuroinflammation and neurodegenerative disease***Erin Knock, Research and Development, Stem Cell Technologies***11:00 – 12:30 Bronze Supporter***(Chairs: Andreas Kurtz / Mlyl- D2dzl)***11:00 – 11:15 C10 – Assessing sarcomere microdomain destabilization with iPSC-derived cardiomyocytes from dilated cardiomyopathy patients and CRISPR/Cas9 engineered isogenic controls***Antje Ebert, Göttingen University representing Peprotech GmbH*

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- 11:15 – 11:30 C11 – Satellite-like cells: reliable production, characterization and disease modeling using controlled media and conditions
Alex Kiselyov, Myocoe, Inc. representing Amsbio Biotechnology
- 11:30 – 11:45 C12 – Efficient and automated single-cell cloning of human induced pluripotent stem cells in GRIDs
Katia Mattis, Iota Sciences Ltd.
- 11:45 – 12:00 C13 – New defined serum-free and chemically defined media for mesenchymal stem cells
Peter Frost, PELOBiotech GmbH
- 12:00 – 12:15 C14 – VectorBuilder – your one-stop shop for custom cloning and virus packaging services
Matthew Wheeler, VectorBuilder GmbH
- 12:15 – 12:30 C15 – How live cell imaging can improve your stem cell culture; an introduction to the CytoSMART Lux2
Lieke Stemkens, R&D, CytoSMART Technologies
- 12:30 – 14:00 **Break Time / Industry exhibition**
- 12:30 – 14:00 **ELSA Symposium**
(Chairs: *Tobias Cantz / Sara Gerke*)
tba online
- 13:00 – 13:45 Meet-the-expert tables (limited to 10 participants)
Meritxell Huch
Nina Cabezas-Wallscheid
Ulrich Martin
- 14:00 – 16:15 **Presidential Symposium**
(Chairs: *Hartmut Geiger / Claudia Waskow*)
- 14:00 – 14:45 **Presidential Invite**
PS1 – Liver and pancreas organoids; their application to the study of tissue regeneration and disease
Meritxell Huch, MPI-CBG, Dresden
- 14:45 – 15:15 **GSCN 2020 Young Investigator Award**
PS2 – Human cerebral organoid development through the lens of single-cell genomics
Barbara Treutlein, MPI for Evolutionary Anthropology, Leipzig & ETH Zürich, D-BSSE, Basel, CH
- 15:15 – 15:45 **GSCN 2020 Female Scientist Award**
PS3 – The importance of gene dosage in development and disease: unravelling the epigenetic process of X-chromosome inactivation in females
Edith Heard, EMBL, Heidelberg

15:45 – 16:15 GSCN Publication of the Year 2019/20 Award

PS4 – Excluding Oct4 from Yamanaka cocktail unleashes the developmental potential of iPSCs

Sergiy Velychko, MPI f. Molecular Biomedicine, Münster

16:15 – 16:30 Break Time / Industry exhibition**16:30 – 18:30 Poster session II**

supported by OLS OMNI Life Science

Friday, 25 September

09:00 – 10:30 Concurrent scientific working group session III**09:00 – 10:30 Pluripotency and reprogramming**

(Chairs: *Hans Schöler* / *Mathias Treier*)

supported by STEMCELL Technologies

09:00 – 09:30 T31 – In vitro capture and characterization of embryonic rosette-stage pluripotency, a novel naive-primed pluripotency intermediate with a unique epigenome
Derk ten Berge, Erasmus MC Rotterdam, NL

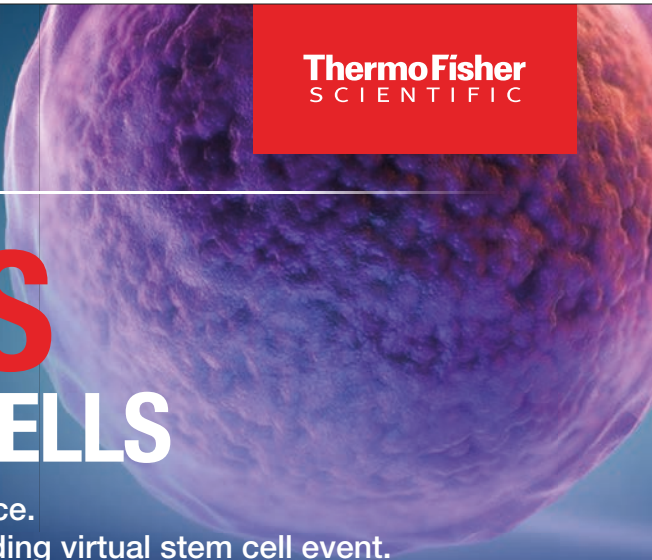
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Your Partner in Cell Research

- 09:30 – 09:45 T32/P028 – Combining whole genome sequencing and retrotransposon capture-sequencing uncovered mobilization of endogenous L1, AluY and SVA_F elements in reprogrammed human keratinocytes
Caroline Küstermann, Paul Ehrlich Institute, Langen
- 09:45 – 10:00 T33/P029 – Progressive spatial self-organization of pluripotent stem cell in colonies and aggregates
Mohamed Hamdy Elsafi Mabrouk, University Hospital Aachen
- 10:00 – 10:15 T34/P030 – Programming human pluripotent stem cells into microglia – a novel in vitro model of neuroinflammation and neurodegeneration
Matthias Pawlowski, University Hospital Münster
- 10:15 – 10:30 T35/P023 – Direct conversion of human microglia into induced neural stem cells: a new avenue for neuroregeneration?
Lea Jessica Flitsch, University Bonn
- 09:00 – 10:30 **Stem cells in regenerative therapies** supported by Beckman Coulter
(Chairs: *Ulrich Martin / Michael Cross*)
- 09:00 – 09:30 T36 – Strategies for first iPSC trials: immunology, GMP-grade manufacturing and preclinical studies
Micha Drukker, Helmholtz Zentrum, München
- 09:30 – 09:45 T37/P084 – Reconditioning the neurogenic niche of adult non-human primates by antisense oligonucleotide-mediated attenuation of TGF β signaling
Ulrich Bogdahn, University Regensburg, Velvio GmbH
- 09:45 – 10:00 T38/P088 – Formation of large muscle grafts and substantial improvement of heart function after injection of hiPSC-cardiomyocytes in a primate model of myocardial infarction
Ina Gruh, Hannover Medical School (MHH)
- 10:00 – 10:15 T39/P090 – High density bioprocessing of human pluripotent stem cells by metabolic control and in silico modeling
Felix Manstein, Hannover Medical School (MHH)
- 10:15 – 10:30 T40/P094 – Influence of cerebrospinal fluid on olfactory stem cells: prerequisite for cell therapy after spinal cord injury
Markus Rövekamp, Ruhr University Bochum
- 09:00 – 10:30 **Hematopoietic stem cells** supported by AMS Biotechnology
(Chairs: *Timm Schroeder / Claudia Waskow*)
- 09:00 – 09:30 T41 – Stem cell based heterogeneity of interferon signaling in the hematopoietic system
Marieke Essers, HI-STEM, Heidelberg
- 09:30 – 09:45 T42/P013 – Niche SFRP1 regulates repopulating activity of hematopoietic stem cells via PP2A-mediated regulation of CTNNB1/EP300
Franziska Hettler, TU München

- 09:45 – 10:00 T43/P016 – Influenza virus infection alters hematopoietic stem cells and induces emergency megakaryopoiesis
Marcel Rommel, Paul Ehrlich Institute, Langen
- 10:00 – 10:15 T44/P014 – Asymmetric cell division modulates human hematopoietic stem cell fates
Dirk Loeffler, ETH Zürich, D-BSSE Basel, CH
- 10:15 – 10:30 T45/P020 – Glucose metabolism in hematopoietic stem cells: less is more
Mona Vogel, University Ulm
- 10:30 – 11:00 **Break Time / Industry exhibition**
- 11:00 – 12:30 **Concurrent scientific working group session**
- 11:00 – 12:30 **Clinical trials and regulatory affairs**
(Chairs: *Zoltan Ivics* / *Andreas Kurtz*)
- 11:00 – 11:45 S1 – Mesenchymal stromal cell therapy for the treatment of steroid refractory GVHD and severe COVID-19 disease?
Peter Bader, University Hospital Frankfurt
- 11:45 – 12:30 S2 – Engineering solutions for human pluripotent stem cells differentiation: from organoid derivation to disease modeling applications.
Nuria Montserrat, IBEC, Barcelona, ES



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11:00 – 12:30 Career development

(Chairs: *Marieke Essers / Insa Schroeder*)

11:00 – 11:45 S3 – Studieren in Zeiten von Corona – Herausforderungen und Lösungen

Studying in times of Corona – challenges and solutions

Silvia Fassbender, TU Darmstadt

11:45 – 12:30 S4 – Corona – how to boost your motivation and reduce your stress NOW

Daniel Hunold, University Greifswald

11:00 – 12:30 Technologies in stem cell research

supported by Iota Sciences

(Chairs: *Andreas Bosio / Sebastian Diecke*)

11:00 – 11:30 S5 – Single-cell and spatial multi-omics approaches of the bone marrow

Simon Haas, DKFZ, Heidelberg

11:30 – 12:00 S6 – Spatial transcriptomics: recent advances and how to solve puzzles

Nikolaos Karaiskos, Max Delbrück Center/BIMSB, Berlin

12:00 – 12:30 S7 – High resolution anatomical mapping of gene expression using targeted in situ sequencing

Mats Nilsson, Stockholm University, SE

12:30 – 14:00 Break time / Industry exhibition**13:15 – 14:00 Point of discussion: Sars-CoV-2 / COVID-19 and approaches with stem cells**

Brief introduction to the topic: *Christine Mummery*, Leiden, NL

(Chairs: *Ira Herrmann / Richard Schäfer*)

15:15 – 16:00 Keynote lecture IV

supported by Eppendorf

K4 – Cardiovascular diseases and drugs: where are we with hiPSC models?

Christine Mummery, Leiden University Medical Center, NL

(Chairs: *Alexander Kleger / Stefan Liebau*)

16:00 – 16:45 Keynote lecture V

supported by Biological Industries

K5 – Next generation cell therapies for the brain

Marius Wernig, Stanford University, US

(Chairs: *Alexander Kleger / Stefan Liebau*)

16:45 – 17:05 Poster award ceremony

Daniel Besser

17:05 – 17:15 Closing remarks by the incoming GSCN president

Hans Schöler

17:25 – 17:45 Meet the speakers corner (Meet & Greet – Networking Spaces)

Meeting room 1: Discussion with *Christine Mummery* chaired by *Alexander Kleger*

Meeting room 2: Discussion with *Marius Wernig* chaired by *Stefan Liebau*

End of Annual GSCN Conference 2020