

Meeting Organisation

Katrin Streckfuß-Bömeke (Göttingen, Germany)
 Laura Zelarayan (Göttingen, Germany)

Session Chairs

Rüdiger Behr (Göttingen, Germany)
 Dörthe Katschinski (Göttingen, Germany)
 George Kensah (Göttingen, Germany)
 Susanne Lutz (Göttingen, Germany)
 Daniela Panakova (Berlin, Germany)
 Uwe Raaz (Göttingen, Germany)
 Malte Tiburcy (Göttingen, Germany)
 Karl Toischer (Göttingen, Germany)
 Patapia Zafeiriou (Göttingen, Germany)

Keynote Speaker

Silke Sperling (Berlin, Germany)

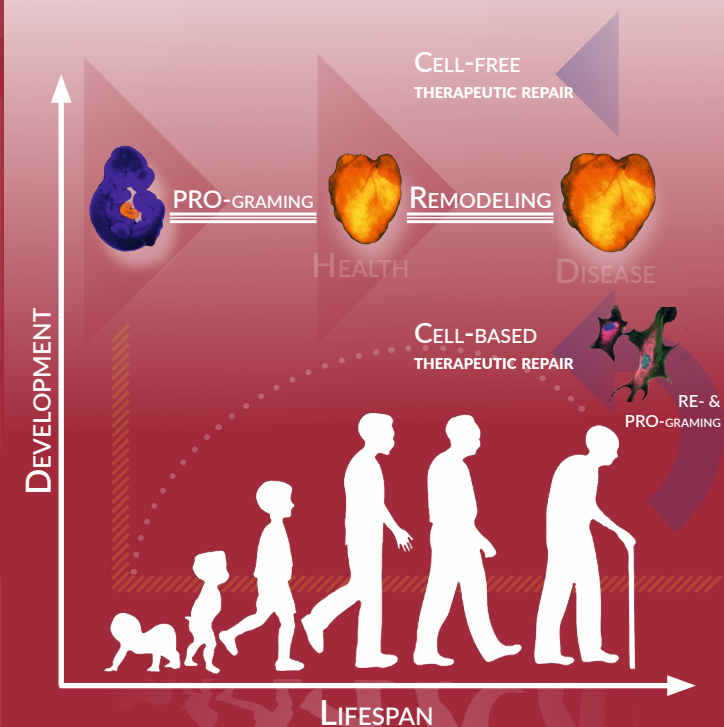
Invited Speaker

Christian Bär (Hanover, Germany)
 Kelli Caroll (Dallas, United States)
 Cristina del Campo (Madrid, Spain)
 Chris Denning (Nottingham, United Kingdom)
 Tatjana Dorn (Munich, Germany)
 Nicole Dubois (New York City, United States)
 Loren Field (Indianapolis, United States)
 Rabea Hinkel (Göttingen, Germany)
 Anja Lipschik (Göttingen, Germany)
 Stella Müller (Göttingen, Germany)
 Farah Raad (Göttingen, Germany)
 Sabine Rebs (Göttingen, Germany)
 Eric Schoger (Göttingen, Germany)
 Nicola Smart (Oxford, United Kingdom)
 Elisabeth Zeisberg (Göttingen, Germany)

Poster Presentations

Antje Ebert (Göttingen, Germany)
 Sara Kadjev (Göttingen, Germany)
 Andreas Maus (Göttingen, Germany)
 Christina Würtz (Göttingen, Germany)

PRO- & REPRO-GRAMING THE HEART



3rd & 4th September 2018

'Alte Mensa'
 Emmy-Noether-Saal
 Wilhelmsplatz 3, 37073 Göttingen



DZHK
 DEUTSCHES ZENTRUM FÜR
 HERZ-KREISLAUF-FORSCHUNG E.V.



UNIVERSITÄTSMEDIZIN GÖTTINGEN **UMG**

Pro- and Reprogramming the heart

Introduction

We are happy to welcome you to the symposium 'Pro- and Reprogramming' the heart, which will be held in Göttingen on September 3rd and 4th, 2018.

The establishment of more efficient therapeutic approaches to regenerate and support injured cardiac muscle of the diseased hearts is only possible by understanding different aspects of cardiac biology.

Our symposium aims to highlight the latest discoveries and advanced knowledge in the field of developmental, stem cell and diseased heart biology focusing on transcriptional programs. This will enable researchers to design tools for reprogramming the diseased heart to a more healthy state using cell-based as well as cell-free therapeutic approaches. To that end, an excellent amalgamation of well-established as well as young scientists, were brought together to cover all these expertise.

This symposium will further highlight and support the contribution of excellent female scientists in the field as well as introduce cardiovascular educational programs in Göttingen.

We are looking forward to welcome you in Göttingen in September 2018 for an inspiring symposium.



Katrin Streckfuß-Bömeke
Clinic for Cardiology and Pneumology
(Director: Prof. Dr. Gerd Hasenfuß)
University Medical Center Göttingen



Laura Zelarayan
Institute of Pharmacology and Toxicology
(Director: Prof. Dr. Wolfram-Hubertus Zimmermann)
University Medical Center Göttingen

Monday, September 3rd

- 14:00 Opening remarks
Katrin Streckfuß-Bömeke (Göttingen, Germany)
Laura Zelarayan (Göttingen, Germany)
- Session I: Programming the developmental heart**
Chair: Rüdiger Behr (Göttingen, Germany)
Daniela Panakova (Berlin, Germany)
- 14:15 The role of myc in heart development:
Cardiac cell replacement through cell competition
Cristina del Campo (Madrid, Spain)
- 14:45 Vascular remodeling in development and
regeneration
Nicola Smart (Oxford, United Kingdom)
- 15:15 Quantitating cardiomyocyte renewal in
development and disease
Loren Field (Indianapolis, United States)
- 15:45 Coffee break
- 16:00 Challenges of women and men in academia
Anja Lipschik (Göttingen, Germany)
Stella Müller (Göttingen, Germany)
- Session II: Cell-based therapeutic approaches**
Chair: Malte Tiburcy (Göttingen, Germany)
Patapia Zafeiriou (Göttingen, Germany)
- 16:30 Early cardiac lineage specification during
mouse and human heart development
Nicole Dubois (New York City, United States)
- 17:00 PSC-CMs for use in drug screening and
in production of new in vitro models of
genetic-based cardiovascular disease
Chris Denning (Nottingham, United Kingdom)
- Keynote lecture**
Chair: Susanne Lutz (Göttingen, Germany)
- 17:30 Epigenome in reprogramming of the diseased heart
Silke Sperling (Berlin, Germany)
- 19:30 Get together

Tuesday, September 4th

- Session III: Pro- & Reprogramming the healthy
and diseased heart**
Chair: Dörthe Katschinski (Göttingen, Germany)
George Kensah (Göttingen, Germany)
- 09:00 Programming the human heart developmental
niche
Farah Raad (Göttingen, Germany)
- 09:15 RBM20-dependent signaling in pluripotent
stem cell models of dilated and non-
compaction cardiomyopathy
Sabine Rebs (Göttingen, Germany)
- 09:30 The protective role of telomerase in cardiac
aging and disease
Christian Bär (Hanover, Germany)
- 09:45 Human iPSC models for studying spontaneous
cell lineage conversion in cardiac disease
Tatjana Dorn (Munich, Germany)
- 10:00 Programming the homeostatic adult heart
Eric Schoger (Göttingen, Germany)
- 10:15 Coffee break
- Cardiovascular science in Göttingen: From students to PIs
Cardiovascular Science (Master program, Christina Würtz)
IRTG 1816 (PhD graduate program, Andreas Maus)
SFB1002 (Sarah Kadje, Antje Ebert)
- Session IV: Translation by cell-free therapeutic
approaches**
Chair: Uwe Raaz (Göttingen, Germany)
Karl Toischer (Göttingen, Germany)
- 10:45 Epigenetic therapy of cardiac fibrosis
Elisabeth Zeisberg (Göttingen, Germany)
- 11:15 Novel regulators of muscle development
and functions
Kelli Carroll (Dallas, United States)
- 11:45 Regeneration in translational large
animal models
Rabea Hinkel (Göttingen, Germany)
- 12:30 Closing Remarks, lunch