

RegMed Forum 2016 – 10 Years BCRT

October 06-07, 2016 | Berlin

Program

Thursday, October 06, 2016

Berlin-Brandenburgische Akademie der Wissenschaften | Markgrafenstrasse 38 | 10117 Berlin

Registration

Foyer BBAW | All Participants

08:15 – 08:45

Welcome and Overview / Opening Symposium

Leibniz-Saal | All Participants

08:45

Overview

Hans-Dieter Volk, Georg Duda, Andreas Lendlein

08:50

Where Are We, Where Are We Going?

Hans-Dieter Volk | BCRT | Charité – Universitätsmedizin Berlin

Session I

Strategies for Supporting Regeneration after Bone/Muscle Injury

Chair: Andrew Carr | SAB

Co-Chair: Georg Duda | BCRT

09:10

Remaining Challenges in Musculoskeletal Regeneration: Induce Endogenous Repair Mechanism in Tendon

Andrew Carr | SAB | University of Oxford, UK

09:35

Learning from Bone Regeneration

Georg Duda | BCRT | Charité – Universitätsmedizin Berlin

09:55

Extracellular Matrix Organization and Mineralization in Bone Regeneration

Peter Fratzl | MPI

10:10

Visualization of Bone – Immune Interaction

Anja Hauser | DRFZ

10:25

Hereditary Forms of Bone Fragility and Treatment Strategies

Uwe Kornak | BCRT | Charité – Universitätsmedizin Berlin

10:40

Regenerative Strategies after Muscle Injury from Bench-to-Bedside and Reverse

Tobias Winkler | BCRT | Charité – Universitätsmedizin Berlin

11:00

Developing a new ECM Platform – a Joint Industry and Basic Research Approach

Ingo Heschel | Matricel GmbH

Ansgar Petersen | BCRT | Charité – Universitätsmedizin Berlin

11:20

Coffee Break

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Session II

Regenerative Approaches in Cardiovascular Diseases

Chair: Stephane Heymans | SAB **Co-Chair: Carsten Tschöpe | BCRT**

- 11:40** **Molecular Mechanism of Cardiomyopathy**
Stephane Heymans | SAB | Maastricht University Medical Centre
- 12:00** **Inflamed Heart – Targeted Therapies**
Carsten Tschöpe | BCRT | Charité – Universitätsmedizin Berlin
- 12:15** **CardAP – A Unique Cell Type for Cardiac Muscle Regeneration**
Michael Sittinger | BCRT | Charité – Universitätsmedizin Berlin
Sophie Van Linthout | BCRT | Charité – Universitätsmedizin Berlin
- 12:30** **Lunch Break**
Poster Session

Session III

Regenerating / Reshaping the Immune System by Immune Cell Therapies

Chair: Cliona Rooney | SAB **Co-Chair: Petra Reinke | BCRT**

- 14:00** **Immune Cell Therapy**
Cliona Rooney | SAB | Baylor College of Medicine Houston, USA
- 14:25** **Transgenic T Cells for Immunotherapy**
Wolfgang Uckert | MDC
- 14:45** **Regulatory T Cell Therapy from Bench-to-Bedside**
Petra Reinke | BCRT | Charité – Universitätsmedizin Berlin
- 15:05** **Selection and Expansion of Long-Lived T Cells for Sustained Immune Regeneration**
Michael Schmück-Henneresse | BCRT | Charité – Universitätsmedizin Berlin
- 15:20** **“CD8+ Treg: Old, New Players in Immune Tolerance”**
Ignacio Anegón | SAB | CHU des Nantes
- 15:40** **Immune Cell Therapy – an Industrial Point of View**
Lothar Germeroth | Juno Therapeutics, Inc.
- 16:00** **Coffee break**

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- 17:00** **Opening Ceremonial Act (for invited guests only) and Scientific Get-Together (open)**
- Welcome**
 Dr. Torsten Fischer | Head of the Public Relations Department of Helmholtz-Zentrum Geesthacht
- 17:05** **Short Welcoming Speech by Representative of the Land of Brandenburg**
 Carsten Feller | Brandenburg Ministry for Science, Research and Culture
- 17:20** **Speech by Board of Charité – Universitätsmedizin Berlin**
 Karl Einhäupl | Chief Executive Officer of the Charité – Universitätsmedizin Berlin
- 17:35** **Speech by Executive Board of HZG**
 Michael Ganß | Administrative Director of Helmholtz-Zentrum Geesthacht
- 17:50** **Short Welcoming Speech by Representative of the Berlin Institute of Health**
 Axel Pries | Extraofficial Member of the Executive Board – Berlin Institute of Health
 Dean of the Charité – Universitätsmedizin Berlin
- 18:05** **Word of Thanks and Ceremonial Opening**
 Board of Directors of the Berlin-Brandenburg Center for Regenerative Therapies
- 18:25** **Laudatory Speech**
 Jörg Vienken | SAB
- 18:40** **„BCRT Gets the Blues“**
 Albrecht Wendel | SAB
- Karlsson Penthouse | (Zugang über Wissenschaftsforum Berlin) Markgrafenstrasse 37 | 10117 Berlin
- 20:00** **Opening of the Buffet by the Board of Directors**

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08:00 – 08:30

Session IV

Biomaterials and Regeneration

Chair: Jörg Vienken | SAB

Co-Chair: Andreas Lendlein | BCRT | HZG

- 08:30** ***Multifunctional Polymer-Based Biomaterials***
International Approach to Biomaterial Research and Translation
Yakai Feng | Tianjin University, China
- 08:55** **Biomaterials and Translational Technologies**
Andreas Lendlein | BCRT | HZG
- 09:15** **Biomaterial-Induced Stem Cell Modulation/ Differentiation**
Nan Ma | BCRT | HZG
- 09:30** **Hemocompatibility of Biomaterials – towards a Personalized Approach**
Friedrich Jung | BCRT | HZG
- 09:45** ***Minimally Invasive Procedures and Gentle Treatments***
Cardiovascular Implant Design – from Clinical Need to Device Design
Markus Reinthaler | BCRT | HZG
Ulf Landmesser | Charité – Universitätsmedizin Berlin
- 10:00** **Cardiovascular Devices – from Conception to Broad Clinical Application**
Bruno Scheller | InnoRa GmbH
- 10:20** ***Tissue Regeneration***
Cardiac Patch (Crossfield F/B)
Christof Stamm | BCRT | Deutsches Herzzentrum Berlin
- 10:35** **Multimodal Evaluation of Bone Regeneration Induced by a 3D Architected Hydrogel**
Philipp Lohmann | Forschungszentrum Jülich, Institute of Neuroscience and Medicine
- 10:50** **Coffee Break**

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Session V

Precision Medicine in Regenerative Medicine

Chair: Ignacio Anegon | SAB

- 11:10** **Application of Biomarkers in RegMed**
Hans-Dieter Volk | BCRT | Charité – Universitätsmedizin Berlin
- 11:30** **Genomics in RegMed**
Stefan Mundlos | BCRT | Charité – Universitätsmedizin Berlin
- 11:50** **Translational Bioinformatics – Tool for Linking Phenotype and Genotype**
Tomasz Zemojtel | BCRT | Charité – Universitätsmedizin Berlin
- 12:10** **Lunch Break**
Poster Session

Session VI

Advanced Disease Models and Technologies

Chair: Albrecht Wendel | SAB

Co-Chair: Uwe Marx | TissUse GmbH

- 13:10** **Advanced *In Vitro* Models Using “Human-on-the-Chip” Technology**
Uwe Marx | TissUse GmbH
- 13:35** **Stem Cell Core Unit Berlin**
Harald Stachelscheid | BCRT | Charité – Universitätsmedizin Berlin
N.N.
- 13:50** ***In Vitro* Nephrogenesis Using Human iPS Cells**
Krithika Hariharan | BCRT | Charité – Universitätsmedizin Berlin
- 14:05** **Immunogenicity and Immunomodulation of Human iPS Cells and their Derivatives**
Bella Rossbach | BCRT | Charité – Universitätsmedizin Berlin
- 14:20** **How Does our Mouse Models under Standard Housing Conditions Reflect the Real Life?**
Kerstin Mühle | BCRT | Charité – Universitätsmedizin Berlin
- 14:35** **Are Large Animal Models the Better Human Models?**
Evi Lippens | BCRT | Charité – Universitätsmedizin Berlin
- 14:50** **Replacement of Animal Experiments: No Fast-Selling Item**
Albrecht Wendel | SAB

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| 15:05 | Coffee Break |
| 15:25 | Award for “Paper of the Year 2015”
Werner Wolf SAB
Klaus von der Mark SAB |
| 15:55 | End |
| 15:55 | Meeting BCRT Board with SAB |