

RegMed Forum 2016 – 10 Years BCRT

October 06-07, 2016 | Berlin

Program

Thursday, October 06, 2016

Berlin-Brandenburgische Akademie der Wissenschaften | Jaegerstrasse 22 | 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 Planning to Go?

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

Clinical Challenges in the Musculoskeletal Research Field

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 Regeneration (title t.b.d.)

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 | JWI | 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

RegMed Forum 2016 – 10-Years BCRT

October 06-07, 2016 | Berlin

Program

Thursday, October 06, 2016

Berlin-Brandenburgische Akademie der Wissenschaften | Jaegerstrasse 22 | 10117 Berlin

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 | 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** **“Rebirth” of CD8+ Regulatory T cells**
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**

RegMed Forum 2016 – 10-Years BCRT

October 06-07, 2016 | Berlin

Program

Thursday, October 06, 2016

Berlin-Brandenburgische Akademie der Wissenschaften | Jaegerstrasse 22 | 10117 Berlin

- 17:00** **Opening ceremonial Act and Status Colloquium for invited guests only**
- Begrüßung**
 Dr. Torsten Fischer | Leiter der Abteilung Presse- und Öffentlichkeitsarbeit
 Helmholtz-Zentrum Geesthacht
- Eröffnung des Festaktes durch Vertreter/in des BMBF**
- 17:10** **Grußwort durch Vertreter/in des Landes Berlin**
- Grußwort durch Vertreter des Landes Brandenburg**
 Carsten Feller | Ministerium für Wissenschaft, Forschung und Kultur des Landes Brandenburg
- 17:30** **Ansprache durch Vorstand der Charité – Universitätsmedizin Berlin**
 Karl Einhäupl | Vorstandsvorsitzender der Charité – Universitätsmedizin Berlin
 Axel Pries | Dekan der Charité – Universitätsmedizin Berlin
- 17:50** **Ansprache durch Geschäftsführung HZG**
 Michael Ganß | Kaufmännischer Geschäftsführer Helmholtz-Zentrum Geesthacht
- 18:00** **Grußwort durch Vertreter des Berliner Instituts für Gesundheitsforschung**
- 18:10** **Dankesworte und feierliche Eröffnung**
 Direktorium des Berlin-Brandenburger Centrums für Regenerative Therapien
- 18:25** **Laudatio**
 Jörg Vienken | SAB
- 18:40** **„BCRT gets the Blues“**
 Albrecht Wendel | SAB
- Karlsson Penthouse | Taubenstrasse 30 | 10117 Berlin
- 20:00** **Eröffnung des Buffets durch das Direktorium**

RegMed Forum 2016 – 10-Years BCRT

October 06-07, 2016 | Berlin

Program

Friday, October 07, 2016

Berlin-Brandenburgische Akademie der Wissenschaften | Jaegerstrasse 22 | 10117 Berlin

Registration

Foyer BBAW | All Participants

08:00 – 08:30

Session IV

Biomaterials and Regeneration

Chair: Jörg Vienken | SAB Co-Chair: Andreas Lendlein | 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 | HZG
- 09:15** **Biomaterial-induced Stem Cell Modulation/ Differentiation**
Nan Ma | HZG
- 09:30** **Hemocompatibility of Biomaterials – towards a Personalized Approach**
Friedrich Jung | HZG
- 09:45** ***Minimally Invasive Procedures and Gentle Treatments***
Cardiovascular Implant Design – from Clinical Need to Device Design
Markus Reinthaler | 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 | 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**

RegMed Forum 2016 – 10-Years BCRT

October 06-07, 2016 | Berlin

Program

Friday, October 07, 2016

Berlin-Brandenburgische Akademie der Wissenschaften | Jaegerstrasse 22 | 10117 Berlin

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?**
Andreas Thiel | 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

RegMed Forum 2016 – 10-Years BCRT

October 06-07, 2016 | Berlin

Program

Friday, October 07, 2016

Berlin-Brandenburgische Akademie der Wissenschaften | Jaegerstrasse 22 | 10117 Berlin

- 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**

Preliminary Program