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
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 Inflammed 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 Anegon | SAB | CHU des Nantes

15:40 Immune Cell Therapy – an Industrial Point of View
Lothar Germeroth | Juno Therapeutics, Inc.

16:00 Coffee break
Program

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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
RegMed Forum 2016 – 10 Years BCRT
October 06-07, 2016 | Berlin

Program

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Registration
Foyer BBAW | All Participants
08:00 – 08:30

Session IV
Biomaterials and Regeneration

Chair: Jörg Vienken | SAB  Co-Chair: Andreas Lendlein | BCRT | HZG

**Multifunctional Polymer-Based Biomaterials**
International Approach to Biomaterial Research and Translation
Yakai Feng | Tianjin University, China
08:30

Biomaterials and Translational Technologies
Andreas Lendlein | BCRT | HZG
08:55

Biomaterial-Induced Stem Cell Modulation/ Differentiation
Nan Ma | BCRT | HZG
09:15

Hemocompatibility of Biomaterials – towards a Personalized Approach
Friedrich Jung | BCRT | HZG
09:30

Minimally Invasive Procedures and Gentle Treatments
Cardiovascular Implant Design – from Clinical Need to Device Design
Markus Reinthaler | BCRT | HZG
Ulf Landmesser | Charité – Universitätsmedizin Berlin
09:45

Cardiovascular Devices – from Conception to Broad Clinical Application
Bruno Scheller | InnoRa GmbH
10:00

**Tissue Regeneration**
Cardiac Patch (Crossfield F/B)
Christof Stamm | BCRT | Deutsches Herzzentrum Berlin
10:20

Multimodal Evaluation of Bone Regeneration Induced by a 3D Architectured Hydrogel
Philipp Lohmann | Forschungszentrum Jülich, Institute of Neuroscience and Medicine
10:35

Coffee Break
10:50
Program

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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

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
Kritika 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
Program

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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