



## **Regeneration Research – Life in Motion**

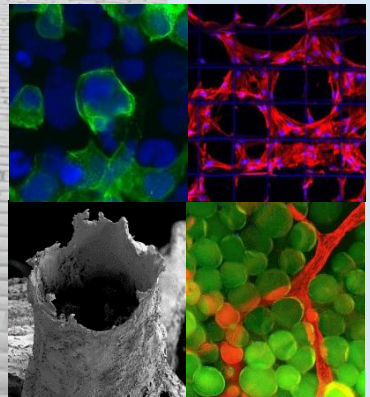
**Workshop on Perspectives in Regeneration Research  
Foundation of the “Bernhard-Heine-Center for Locomotion Research”  
at the Orthopedic Department**

**Organized by the  
Musculoskeletal Center Würzburg MCW**

**Organization Committee:  
Prof. Jürgen Groll, Franz Jakob,  
Torsten Blunk, Maximilian Rudert**

**Location:  
Orthopedic Department König-Ludwig-Haus  
University of Würzburg  
Brettreichstrasse 11  
D 97082 Wuerzburg**

**Date:  
July 11<sup>th</sup> – July 12<sup>th</sup> 2019**



**European Union**  
European Regional  
Development Fund

## Scientific Session 1 – Tissue Regeneration

Thursday July 11 <sup>th</sup>		Hörsaal Orthopedic Department
1.30 p.m.	Get together	
2.15 p.m.	Welcome and Introduction	
2.30 p.m.	In search of the interface to Regenerative Biology - Biofabrication on the rise	Jürgen Groll Würzburg
3.00 p.m.	Platelets – functions beyond hemostasis and thrombosis	Bernhard Nieswandt Würzburg
3.30 p.m.	Transcriptional regulation of epithelial homeostasis and regeneration	Mirka Uhlirova Cologne
4.00 p.m.	Break	

## Scientific Session 2 – Tissue Regeneration

Thursday July 11 <sup>th</sup>		Hörsaal Orthopedic Department
4.30 p.m.	A cell lineage perspective on the scar-regeneration paradigm	Yuval Rinkevich Munich
5.00 p.m.	Stem Cell Rejuvenation for regeneration	Carolina Florian Barcelona
5.30 p.m.	Role and regulation of cellular senescence during regeneration of complex structures	Maximina H. Yun Dresden
6.00 p.m.	Connective tissue in appendage regeneration: the dissimilar cases of muscle and skeleton	Tatiana Sandoval-Guzman Dresden
6.30 p.m.	Round-Table Discussion on the Future of Regeneration Research	
7.00 p.m.	Dinner	

## Scientific Session 3 – Musculoskeletal Regeneration

Friday July 12 <sup>th</sup>		Hörsaal Orthopedic Department
8.00 a.m.	Mechanical loading in tissue homeostasis and regeneration	Anja Niehoff Cologne
8.30 a.m.	Inflammation and extracellular matrix – two important players in cartilage regeneration and osteoarthritis	Frank Zaucke Frankfurt
9.00 a.m.	Microenvironmental interactions in the bone marrow niche modulate the regenerative potential of skeletal progenitor cells	Marietta Herrmann Würzburg
9.30 a.m.	Induced Pluripotent versus Mesenchymal Stem Cells for Cartilage Regeneration	Solvig Diederichs Heidelberg
10.00 a.m.	Coffee Break	
10.30 a.m.	Tissue Engineering and 3D Printing in Musculoskeletal Oncology: Lost in Translation or Daily Clinical Practise?	Boris Holzapfel Würzburg
11.00 a.m.	Round-Table	

## Foundation of the Bernhard-Heine-Center for Locomotion Research

Friday July 12 <sup>th</sup>		Hörsaal Orthopedic Department
12.00	Welcome	Maximilian Rudert Würzburg
12.05	Foundation by the Bavarian Minister for Science and Art	Bernd Sibling Munich
12.20	Greetings from the faculty	
12.35	The Bernhard-Heine-Center for Locomotion Research	Franz Jakob Maximilian Rudert Würzburg
12.55	Conclusions	Bernd Sibling Munich
1.00 p.m.	Reception, Sparkling Wine and Finger Food, Foyer and Garden	