

International Symposium for Additive Biomanufacturing and Regenerative Medicine

December 16-17, 2015 | TUM Institute for Advanced Study

WEDNESDAY, DECEMBER 16, 2015

- 14:00** **Welcome**
Ernst Rank, Director of TUM-IAS
- 14:15** **From Breast implants to adipose tissue regeneration and bioartificial breast- innovative concepts in breast reconstruction**
Jan-Thorsten Schantz, TUM Clinic for Plastic Surgery and Hand Surgery
- 15:00** **Marker-free cell phenotype assessment for safety and quality control in regenerative therapies**
Katja Schenke-Layland, University Hospital Tübingen
- 15:30** *Coffee Break (Foyer)*
- 16:00** **Fusion Imaging + New Tools + Innovation Lab ... or how to find, remove, and treat what your subsequently fill**
Michael Friebe, Otto von Guericke University Magdeburg
- 16:45** **Complex *in vitro* models as a toolbox in Regenerative Medicine**
Charles J. Kirkpatrick, Johannes Gutenberg University Mainz
- 17:30** **Reception + Poster Session** (Faculty Club, 4th floor)
- 19:30** **Speaker's Dinner** (*Departure from IAS at 19:00*)

THURSDAY, DECEMBER 17, 2015

- 9:00** **Ultrashort Self-Assembling Peptides as Peptide Ink for 3D Bioprinting and Smart Biomaterial for Injectable Regenerative**
Charlotte A. E. Hauser, King Abdullah University of Science and Technology
- 9:45** **Scaffold Engineering Principles for Breast Tissue Engineering**
Mohit Chhaya, Queensland University of Technology
- 10:30** **Fabricating bioactive and complex environments through dynamic self-assembly and 3D printing within hydrogels**
Alvaro Mata, Queen Mary University of London
- 11:15** *Coffee Break (Foyer)*
- 11:45** **The Perils and Promise of Regenerative Medicine**
Robert E. Guldberg, Georgia Institute of Technology
- 12:30** **Translational models and clinical cases for bone tissue engineering**
Martijn van Griensven, Technische Universität München
- 13:15** *Lunch Break (Faculty Club, 4th floor)*
- 14:00** **Harnessing memory T stem cells for adoptive immunotherapy**
Dirk Busch, Technische Universität München
- 14:45** **Levitation Technologies for 3D Cellular Assembly and Additive Biomanufacturing**
Utkan Demirci, Stanford University School of Medicine
- 15:30** **EmaCure: Enhancing vascularization through autologous proteins**
Arndt F. Schilling, TUM Clinic for Plastic Surgery and Hand Surgery
- 16:15** **The business of regenerative medicine - lessons from the past for the future**
Simon Champ, Progenesis UG
- 17:00** **Closing**