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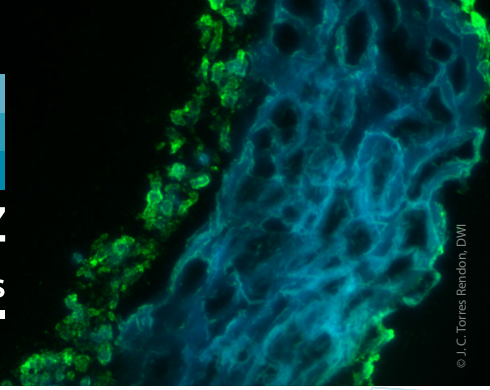

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SYMPOSIUM

BIOMATERIALS-BASED APPROACHES TO PERSONALIZED MEDICINE

22.03.2017 | 10:00-17:00

KARL STORZ VISITOR AND TRAINING CENTRE, BERLIN
SCHARNHORSTSTRASSE 3 | 10115 BERLIN

Biomaterials are instrumental in individualized medical technologies targeting regenerative therapies, immunomodulation or diagnostic methods. In addition to direct clinical application, biomaterials play a key role in the development of advanced three-dimensional tissue and disease models as, for example, required in personalized drug screening.

The one-day symposium is organized by three institutes of Leibniz Health Technologies (LGT): the Leibniz Institute of New Materials (INM), the Leibniz Institute for Interactive Materials (DWI) and the Leibniz Institute of Polymer Research Dresden (IPF). Those three institutes work in close collaboration within the LGT competence area “Bioactive Interfaces”.

The event will focus on recent developments in adaptive and bioactive materials for individualized approaches of medical technologies. Beyond recent advances in biomaterials science, the symposium will cover the translational perspective, provide an industrial point of view, and give insights on related aspects of health economy and research policy.

PROGRAM

Directing in vitro Organogenesis through engineered Hydrogels
Prof. Dr. Matthias Lutolf //
Ecole Federal Polytechnique Lausanne, Schweiz

Material Concepts for Spinal Cord Repair
Dr. Laura DeLaporte //
Leibniz Institute for Interactive Materials, Aachen

Biofabrication for Tissue and Patient specific living Constructs
Prof. Dr. Jürgen Groll // University of Würzburg

Prof. Dr. Wilfried Weber // University of Freiburg

Immuno-Modulation in Bone Regeneration – a biomaterial perspective
Prof. Dr. Georg Duda // Charité Berlin

Synthetic Hydrogels for Therapeutic Delivery in Regenerative Medicine
Prof. Dr. Andrés Garcia //
Georgia Institute of Technology, Atlanta, USA

Precision Biomaterials with optoregulated Functions
Dr. Shrikrishnan Sankaran // Leibniz Institute of New Materials, Saarbrücken

Modular biohybrid Hydrogels for multifunctional Wound Dressings
Dr. Uwe Freudenberg // Leibniz Institute of Polymer Research, Dresden

The dorsal skinfold chamber: A Window into the dynamic interaction of Biomaterials with their surrounding host Tissue
Prof. Dr. med. Matthias Laschke // Saarland University

Adoption of Innovative Implant Technology
Ulrike Löschner // University Greifswald

CLOSING SPEECH
Dr. Herbert Zeisel // Federal Ministry of Education and Research

Sign in here for the symposium.
www.leibniz-healthtech.de/registration_biomaterials