

7<sup>th</sup> KMM-VIN Industrial Workshop (IW7)

## **“Biomaterials: Key Technologies for Better Healthcare”**

27<sup>th</sup>-28<sup>th</sup> September 2017, Erlangen, Germany

Organized by: Institute of Biomaterials, University of Erlangen-Nuremberg (FAU)  
InnoPlanT/Medical Valley EMN, FORM Laboratory-UK Erlangen and  
European Virtual Institute on Knowledge-Based Multifunctional Materials KMM-VIN AISBL

Chair: Aldo R. Boccaccini (Institute of Biomaterials, FAU Erlangen)

Co-Chairs: Heike Walles (Chair for Tissue Engineering and Regenerative Medicine, University Hospital Würzburg), Stefan M. Sesselmann (Department of Orthopedic Surgery FAU Erlangen)

### **Objectives**

The goal of this workshop is to bring together experts working in the broad area of biomedical materials both in industry and academia, covering topics related to design, fabrication, characterisation and applications of a wide variety of biomaterials. Materials science and technological aspects, cell biology and in vivo evaluation of new biomaterials as well as analysis of the performance of established biomedical materials in clinical applications will be discussed. In addition, contributions are invited to cover advanced concepts of tissue engineering and regenerative medicine, including biofabrication approaches, controlled drug delivery systems and biomaterials models for in vitro screening and for cancer research and therapy. The workshop will include but will not be limited to the following topics:

- Biomaterials for bone and dental implants
- Biomaterials for cardiovascular applications
- Bone filling materials
- Scaffolds for hard and soft tissue engineering
- Bioactive and cell instructive materials
- Drug delivery carriers
- Biomedical Coatings
- Hydrogels and biofabrication approaches
- 3D biomaterial models for cancer research
- Clinical performance of biomaterials
- Biosensors and theranostics

**Abstracts** are invited from industrial and academic organisations. They should not exceed 300 words, 10 point font size; images, diagrams and alike may be included provided the full abstract (title, authors information, text, figures, references, etc.) fits onto one page. Please send your abstracts by email to: Aldo R. Boccaccini ([aldo.boccaccini@ww.uni-erlangen.de](mailto:aldo.boccaccini@ww.uni-erlangen.de)) by **Aug. 1, 2017**.

**Programme** will consist of invited lectures from leading biomedical companies, research centres and universities as well as submitted original contributions from Workshop attendees in oral or poster form.

**Venue** of the Workshop will be Medical Valley Center Erlangen, Hörsaal ZMPT (Room 01.020; 1st Floor), Henkestrasse 91, 91052 Erlangen, Germany

**Fees.** Workshop participation fee is 150 € for KMM-VIN members and 250 € for non-members.

**Contact.** For any inquiry please contact: Aldo R. Boccaccini ([aldo.boccaccini@ww.uni-erlangen.de](mailto:aldo.boccaccini@ww.uni-erlangen.de))