

## 29.11. - 01.12.2017 | TRR67 - Matrix Engineering

### SEMINAR: MATERIALS IN MEDICINE BASIC (MIM-B)

29 Nov. 2017	Lecturer	Program/Lecture
09.00-10.00	Prof. Dr. Lorenz Hofbauer (Bone Lab, UKD)	<b>Lecture</b> Introduction and unmet clinical needs
10.00-11:00	PD Dr. Christine Hofbauer (Bone Lab, UKD)	<b>Lecture</b> How to treat large bone defects in humans?
11:00-11:30	Dorit Surek, Maria Heier (Bone Lab, UKD)	<b>Guided Tour</b> Brief observation of TallyHo mouse operation
11:30-13.00	PD Dr. Christine Hofbauer (Bone Lab, UKD)	<b>Lecture</b> Bone metabolism and skeletal repair in diabetes mellitus.
14.00-15.00	Dr. Jens Goronzy (Orthopädie, UKD)	<b>Lecture</b> Hip deformities and suitable material pairings in hip endoprosthetics
15.00-16.00	Dr. Juliane Salbach-Hirsch (Bone Lab, UKD)	<b>Lecture</b> Cellular basics of bone regeneration

30 Nov. 2017	Lecturer	Program
09.00-10.30	Prof. Dr. Stefan Rammelt (Unfallchirurgie, UKD)	<b>Lecture</b> Management of large soft tissue injuries
10.30-12.00	Prof. Dr. Dieter Scharnweber (Biomaterial, TUD)	<b>Lecture</b> Opportunities and limitations of biomaterials for medical applications
13.00-14.30	Dr. Nataliia Beshchasna (IKTS, Fraunhofer)	<b>Lecture</b> Engineering of Materials for Biomedical Applications.
14.30-15.30	Prof. Dr. Matthias Schulz (Implantologie, UKD)	<b>Lecture</b> The minipig as a model for research in the oral and maxillofacial area

01 Dec. 2017	Lecturer	Program
09.00-10.00	Dr. Vuc Savkovic (SIKT, Leipzig)	<b>Lecture</b> Cutaneous wound healing: basics, status and potential for regenerative medicine.
10.15-11.00	Dr. Vuc Savkovic (SIKT, Leipzig)	<b>Lecture</b> Skin and bone regeneration from hair follicle stem cells - without and with biomaterials
11.00-12.30	Dr. Jeanine Streiter (Unfallchirurgie, UKL)	<b>Lecture</b> Reconstructive techniques used in trauma, septic and oncologic surgery
13.30-15.00	Dorit Teichmann (Dresden Exist)	<b>Lecture</b> From research findings to new products - intellectual property and commercialization
15.00-16.00	Dr. Mihaela Pricop-Jeckstadt (Biostatistic, TUD)	<b>Lecture</b> Statistical fundamentals for animal experiments
16.00-16.30	Dr. Ulrike Baschant (Bone Lab, UKD)	<b>Lecture</b> How to write an animal experiment proposal

**Registration:** Participation is free of charge. Please register by sending an E-mail to [albrecht@uni-leipzig.de](mailto:albrecht@uni-leipzig.de).

**Venue:** University Hospital Carl-Gustav-Carus at Technische Universität Dresden, Bone Lab Seminar room (House 19, 5th floor), Fetscherstr. 74, 01307 Dresden