2018 International Conference on Trauma Surgery Technology in Giessen (Germany)

Trauma rehabilitation concepts and their development based on state of the art in patient centred technology design

The members of the scientific committee are looking for suitable postdoc candidates who are interested in submitting the developed concept for technology design research to a funding body.

**Topic: Application of patient centred technology design to trauma surgery technology**

**Sample Projects:** biocompatibility of implant surfaces, mitigating bacterial adhesion and invasion, implant design for calcaneus fracture treatment etc

**The faculty posses facilities for numerical, experimental research:**
- Numerical mechanics (Abaqus, Hypermesh, HPC clusters Skylla and Lichtenberg)
- Experimental mechanics (Zwick-Roell testing system)
- *In-vitro* testing (cell biology lab, histology lab)
- *In-vivo* testing
- Application research in clinical studies

**Cooperation partners of the project:**
- Dr Menendez, University of Copenhagen (Denmark)
- Prof Bagherifard, Politecnico di Milano (Italy)
- Dr Mele, University of Loughborough (UK)
- Dr Presas, Tsinghua University (Beijing, China)
- Dr Valentin, Universitat Politècnica de Catalunya

**Language:** English required, German welcome

For inquiries about funding information, please email to wolfram.bosbach@med.uni-giessen.de:
- Cover letter, and
- CV with list of publications

**Suitable grant examples:**
- Justus-Liebig Fellowship by the Giessen University President,
- Or Humboldt Postdoc Scholarship
  - Salary 2,650 EUR/month (+ family allowance), 6-24 months
  - Support of research cost 800 EUR/month
  - No teaching or administration duties
  - 400-500 approved submissions per year

Scientific Committee 2018

WA Bosbach, Giessen  C Wilkinson, Inclusign Ltd  A Mieczakowski, Cambridge
M Rupp, Giessen  C Heiss, Giessen