



1st BIOBONE WORKSHOP: "New Processing Techniques for Bioceramics"
Erlangen, Germany, 23-25 January 2013

PRELIMINARY PROGRAMME

Wednesday 23th January

19:00 Early-stage researchers (ESR) and Experienced researchers (ER): Informal get-together in Erlangen City (TBA)

Thursday 24th January

9:00-12:00 ESRs and ERs meeting
Institute of Biomaterials, Seminar Room 1.225
Cauerstr. 6, 91058 Erlangen

12:15-13:30 Lunch (Fraunhofer IIS cafeteria)

WORKSHOP: "New Processing Techniques for Bioceramics"

13:30 Arrival of participants, registration
Fraunhofer IIS, Waerber-Saal, Schottkystr. 10, 91058 Erlangen

14:00 Start of Workshop
Aldo R. Boccaccini (University of Erlangen-Nuremberg, Germany)
Eduardo Saiz (Imperial College London, UK)
Introduction

14:15-15:00 **Urs T. Gonzenbach** (ETH Zurich, Switzerland)
Particle-stabilized ceramic foams: from discovery to invention to innovation

15:00-15:45 **Christian Rey** (Institut National Polytechnique de Toulouse, France)
Synthesis, and physico-chemical properties of biomimetic nanocrystalline apatites

15:45-16:15 Coffee break

16:15-17:00 **Enrica Verne** (Polytechnic of Turin, Italy)
Processing technologies for bioactive ceramic coatings

17:00-17:45 **Aldo R. Boccaccini** (University of Erlangen-Nuremberg, Germany)
Electrophoretic deposition of biomaterials

19:30 Dinner at a restaurant / Erlangen City (TBA)

Friday 25th January

- 9:00-9:45 **Jaime Franco** (KERAMAT, Spain)
3D printing of Bioceramics: Overview and Technical Features
- 9:45-10:30 **Jürgen Stampfl** (Technical University of Vienna, Austria)
Lithography based additive manufacturing of ceramic parts
- 10:30-11:00 Coffee Break
- 11:00-11:45 **Eduardo Saiz** (Imperial College London, UK)
Porous bioceramics by freeze casting and related methods
- 11:45-12:30 **Julian R. Jones** (Imperial College London, UK)
Sol-gel processing of bioactive ceramics and glasses
- 12:30-14:00 Lunch (Fraunhofer IIS cafeteria)
- 14:00-14:45 **Meinhard Kunz** (CeramTec, GmbH, Plochingen, Germany)
*Processing ceramic medical components.
The industry's point of view*
- 14:45 Debate / discussion, concluding remarks
*Is there a "preferred" processing method for a given
application (coating, scaffold, implant component)?*
- ca. 16:00 End of Workshop, Coffee

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