

NanoBioMater 2017

International Conference and Summer School

June 27-30, 2017

Welcome

Hybrid materials of functional organic and inorganic phases are promising candidates for tailored materials in future technologies; their performance often surpasses that of bulk materials. The international conference **NanoBioMater 2017** focuses on the design and scientific exploration of (bio)hybrid functional materials. This interdisciplinary field of research will be discussed with emphasis on nanostructures and their technical use in chemistry, biology, processing and materials science. The conference scope is to address the individual components contributing to hybrid materials, e.g. synthetic hydrogels, bio-templates (derived from plant viruses, further biomolecular complexes, or peptides), structure-directing enzymes and biomineralization, as well as beneficial combinations and applications thereof.

Summer school: 27-28.06.2017

We are looking forward to a meeting with international scientists experienced in various working areas, and numerous young researchers, to establish a forum for the interdisciplinary exchange of **scientific information** and a critical **dialogue** on both limitations and future prospects of bio/artificial hybrid materials. Participants are asked to present a **poster** on their current or upcoming work, to stimulate **fruitful discussions** and **novel developments** in the field of research on biohybrid materials.

Invited Speakers

Jens Friedrichs, Leibniz-Institut für Polymerforschung, DE
Ute Kaiser, Universität Ulm, DE
Fernando Ponz, INIA-UPM, Madrid, ESP
Thomas Scheibel, Universität Bayreuth, DE
Dirk Schüler, Universität Bayreuth, DE
Tanja Weil, Max-Planck-Institut für Polymerforschung, DE

Registration

The abstract submission deadline for **oral presentations** at the conference is **March 31st 2017**.

The deadline for early bird registration is **April 30th 2017**.

Fees include scientific program, boarding, lodging and non-alcoholic beverages during the day.

Conference	Early bird €	Regular €
(PhD) student	190	210
Professional	250	280
Industry	350	390
Summer school		
(PhD) student	100	110
Professional	130	140
Industry	180	200
Conference + Summer school		
(PhD) student	270	300
Professional	350	380
Industry	470	510

Grants

We offer up to 20 grants covering either the **summer school** or **summer school + conference** fees to interested young researchers. Grant holders are requested to present their scientific work (bachelor/master/PhD-thesis) in a poster.

Please send an informal application containing a short CV, your motivation to participate and the title of your poster until the **30th of April**.

For more information, please visit:

https://www.uni-stuttgart.de/nanobiomater/int_conference_2017/

International Conference: 28-30.06.2017

Topics

Bio(inspired) mineralization

for shaping and tuning functional materials

Biological nano- to mesoscale assemblies

directing structure and function of biocomposites

Hydrogel matrices:

chemical synthesis, modulation, and integration with additives

Processing routes and engineering

of biohybrid material formulations

Selected applications

of nanostructured biohybrid materials

Invited Speakers

Curtis Frank, Stanford University, USA
Günter Gauglitz, Eberhard Karls Universität Tübingen, DE
Rainer Haag, Freie Universität Berlin, DE
Steven Lommel, NC State University, USA
Carole Perry, Nottingham Trent University, UK
Qian Wang, University of South Carolina, USA
Steve Weiner, Weizmann Institute of Science, IL

Location

Summer school and conference will take place in Bad Herrenalb, in the Schwarzwald (Black Forest), located 30 km south of Karlsruhe and 80 km east of Stuttgart.

Haus der Kirche - Evangelische Akademie Baden

Dobler Str. 51

76332 Bad Herrenalb

<http://www.hdk.ev-akademie-baden.de/>



Summer school 2015