

## Engineering Life 2013:

### Bio-molecular principles for novel methods and materials

B CUBE, the Center for Molecular Bioengineering at the Technische Universität Dresden and the Max Bergmann Center of Biomaterials at the Leibniz-Institut für Polymerforschung Dresden are hosting the Symposium „**Engineering Life 2013: Bio-molecular principles for novel methods and materials**“ on **September 17 - 18, 2013 in Dresden** (<http://www.bcube-dresden.de/life2013/invitation/>).

The Symposium aims to bridge the scales: bringing together experts in investigating living structures, starting on a molecular level, with engineers translating the ensuing knowledge into innovative methods, materials and technologies. Topics under discussion include

- (i) BioProspecting, the identification and systematic cataloging of natural phenomena which answer unmet technological needs,
- (ii) BioNanoTools, the development and application of methods to characterize biological structures and systems at the molecular level, and
- (iii) BioMimetics, the design and synthesis of novel technical materials and systems based on fundamental building blocks that supersede those found in nature.

An international selection of opinion leaders in these fields will assemble in Dresden to speak at the conference. Outstanding young scientists will be given the chance to attend and meet the speakers in a relaxed and intimate atmosphere. Moreover, participants from industry where biomimicry research crosses over into real technologies are also cordially invited to attend.

To maintain an environment conducive to networking and in depth discussions, the symposium will be held in comfortable surroundings in the Inside Hotel in the old town, right in front of Dresden's landmark, the Frauenkirche. The event is fully catered.

Registration is now open (€ 200 academic, € 400 industry), but is limited to 120 persons for the two-day block.

If you are interested in attending the symposium, please feel free to distribute this invitation. Participants are requested to register by email to: [life2013@bcube-dresden.de](mailto:life2013@bcube-dresden.de)

Confirmed Speakers are:

Joanna Aizenberg (Harvard University), Julia E Babensee (Georgia Institute of Technology Atlanta), Hagan Bayley (University of Oxford), André Brändli (LMU München), Ingo Burgert (ETH Zürich), Helmut Cölfen (University of Konstanz), Jim DeYoreo (Lawrence Berkeley National Laboratory), Claudia Fischbach-Teschl (Cornell University), Dave Grainger (University of Utah), Dietmar W Hutmacher (QUT Brisbane), Kristi Kiick (University of Delaware), Akihiro Kusumi (Kyoto University), Daniel Müller (ETH Zurich), David Quéré (École Supérieure de Physique et de Chimie Industrielles, Paris), Philipp F Seib (University of Strathclyde), Friedrich Simmel (TU München), Thomas Speck (University of Freiburg), Tanja Weil (Ulm University)

We look forward to welcoming you in Dresden!