

## Winter School

### SPP1569: „Generation of Multifunctional Inorganic Materials by Molecular Bionics“

The conference is accompanied by a Winter School of the Priority Program 1569 (SPP 1569) supported by the German Science Foundation (DFG). In addition to this satellite meeting also contributions of the SPP 1569 are included into the poster sessions of the conference.

The key objective of the SPP 1569 is to explore the principles of gene-regulated biomineralization for the production of multifunctional inorganic materials. The scientific aim is the application of biomolecules for the in vitro generation of inorganic functional materials as well as the biomineralization of these materials by living organisms in vivo. By using this route, materials with an enhanced property spectrum, which is not available via conventional processing techniques, shall be gained at ambient conditions by molecular architecture. The main objective is to generate materials with improved properties and novel property combinations by the conjunction of inorganic and organic components.

For further information about SPP1569 please visit [www.uni-stuttgart.de/spp1569](http://www.uni-stuttgart.de/spp1569)

#### Chair SPP 1569

Prof. Dr. Joachim Bill  
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#### SPP 1569 Coordination Office

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## General Information Conference Fees

Venue  
**Kongresshotel Potsdam**  
Am Luftschiffhafen 1  
14471 Potsdam  
Germany



Conference Office  
**INVENTUM GmbH** · Alexia Ploetz  
PO box 20 07 14 · 53137 Bonn (Germany)  
Phone: +49 (0)151 2122 7448  
[bio-inspired@dgm.de](mailto:bio-inspired@dgm.de)

#### Conference Fees

##### Young Researchers up to 30 years

<a href="#">DGM-members</a>	250 EUR
DGM-basic members	280 EUR
Non-members	310 EUR

##### Expert Researchers 31 - 40 years

<a href="#">DGM-members</a>	450 EUR
DGM-basic members	500 EUR
Non-members	550 EUR

##### Professionals University

<a href="#">DGM-members</a>	600 EUR
DGM-basic members	650 EUR
Non-members	700 EUR

##### Industry

<a href="#">DGM-members</a>	800 EUR
DGM-basic members	850 EUR
Non-members	900 EUR

#### Conference Language

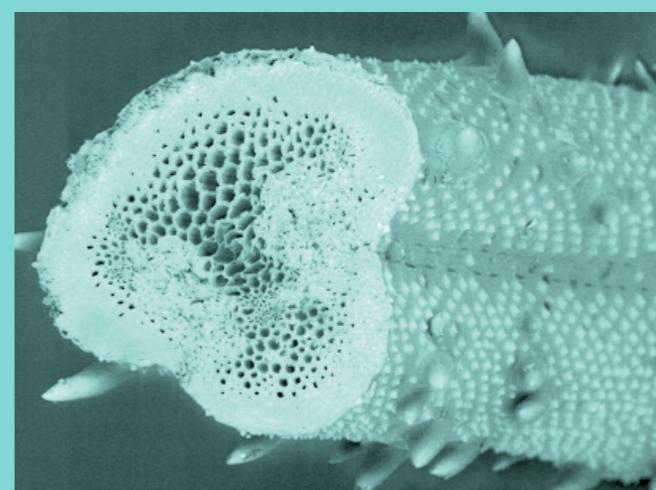
The official conference language will be English.

Euro

# Bio-inspired Materials 2016

International School and  
Conference on Biological  
Materials Science

22 - 25 February 2016  
Potsdam, Germany



[www.dgm.de/bio-inspired](http://www.dgm.de/bio-inspired)

**DFG** DGM

## The Scope

Based on the successful events held in 2012 and 2014 in Potsdam the scope of this conference is to provide an interdisciplinary platform for the discussion of novel developments and trends in the field of bio-inspired materials research. Accordingly, the whole spectrum of biological materials will be covered. Topics will encompass the formation mechanisms as well as the characterization of complex-shaped and hierarchically structured multifunctional materials present in living nature. Based on this, a further key topic will be the consideration of these architectures as archetypes for the generation of novel functional materials with an expanded property spectrum.

The conference will address Bio-inspired materials based on organic and/or inorganic phases including their mechanical, optical, electronic and magnetic properties as well as actuated systems.. Further discussions will be dedicated to materials, which display their function in contact with biological systems, e. g. tissues. Moreover, theoretical modelling of the formation, structure and properties of biological and bio-inspired materials will play a main role.

The programme will comprise several invited plenary lectures as well as oral and poster presentations. Furthermore, a session related to the priority program 1420 (Biometric Materials Research: Functionality by Hierarchical Structuring of Materials) of the Deutsche Forschungsgemeinschaft will be included. Moreover, the conference will accommodate a Winter School of the Priority Program 1569 (Generation of Multifunctional Inorganic Materials by Molecular Bionics).



**Peter Fratzl**  
Chairman  
Max Planck Institute of Colloids  
and Interfaces, Potsdam, Germany



**Joachim Bill**  
Co-Chairman  
University of Stuttgart,  
Germany

## Programme Committee

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Max Planck Institute of Colloids and Interfaces, Potsdam, Germany (Chairman of the Conference)

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University of Stuttgart, Germany

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RWTH Aachen, Germany

### Z. Burghard

University of Stuttgart, Germany

### H. Coelfen

University of Konstanz, Germany

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Max Planck Institute of Colloids and Interfaces, Potsdam, Germany

### C. Fleck

Technical University Berlin, Germany

### S. N. Gorb

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### Y. Politi

Max Planck Institute of Colloids and Interfaces, Potsdam

### G. Santomauro

University of Stuttgart, Germany

### D. Schüler

Universität Bayreuth, Germany

### T. Speck

Botanic Garden of the University of Freiburg, Germany

### C. Zollfrank

Technische Universität München, Germany

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## Exhibition and Advertisement

### Exhibition

The exhibition will be held in conjunction with the conference. Coffee breaks, lunch and poster sessions will be held in the exhibition area.

Price per m<sup>2</sup> 195 EUR + 19% VAT

This includes:

- Exhibition area (min. 6 m<sup>2</sup>)
- Publication of your company logo on the conference website
- Publication of your company logo and company profile (max. 1,000 characters) in the programme brochure and on the conference website
- One exhibitor pass which is also valid for the scientific programme
- Electricity (220V)
- Furnishing (1 Table, 1 Chair)

Placing will be done by order of registrations.

Exhibitors may place their job offers free of charge on the conference website and in one edition of the DGM-newsletter.

### Programme Advertisement

Back cover (U4)	500 EUR
Inside front cover (U2)	450 EUR
Inside back cover (U3)	350 EUR
Regular page inside	300 EUR

### Advertising Material

Flyers/brochures in the conference bag	500 EUR
Flyers/brochures on the plenary hall seats	300 EUR
Flyers/brochures at the check-in	150 EUR
Hand-out of various gifts at the check-in	150 EUR

### Indoor Advertising

Display in the plenary hall	250 EUR
Display at the check-in	150 EUR

## Sponsoring

### Conference Material

You will be mentioned as a sponsor in the conference programme brochure and on the conference website.

Conference bags	1,500 EUR
Lanyards	500 EUR
Writing pads	400 EUR
Pens	150 EUR
Name badges (Your company logo printed on the personal name badges)	500 EUR

### Social Events

min. 800 EUR (prices on request)

Coffee breaks (Mo, Thu or Wed)

Lunch break (Mo, Thu or Wed)

Poster evening (Mo or Thue)

Social evening (Thu)

Your company will be named as sponsor of the event in the printed programme brochure and on the conference website. You may choose your preferred position of your roll-up banner at all stations where the event take place.

### Poster Exhibition

500 EUR

Your company logo will be printed on every poster number label, which will be fixed onto every poster panel. Your company will be also named as sponsor in the conference programme brochure and on the conference website.

### Poster Exhibition

1.500 EUR

A representative of your company will hand over the award for the best three posters and ensure extra attention for your company during the ceremony. You are entitled to place a roll-up banner in the award area. The poster prize certificate will be branded with your company's name.

*All fees are in EUR-currency and do not include 19% VAT*

## Keynote Lectures

### Novel Materials: Lessons from Nature

J. Aizenberg, Harvard University, Cambridge MA, USA

### Self-assemblies, hierarchies and biomimetics based on supramolecular and supracolloidal motifs

O. Ikkala, Aalto University School of Science, Aalto, Finland

### How to build a glass house: from Silica morphogenesis in diatoms to synthetic biology for biominerals

N. Kröger, Dresden University of Technology, Germany

### Biomimetics and education: challenge, opportunity and diversity

O. Speck, University of Freiburg Germany

### Designing Biomaterials for Ultrasensitive Biosensing and Regenerative Medicine

M. Stevens, Imperial College London, UK