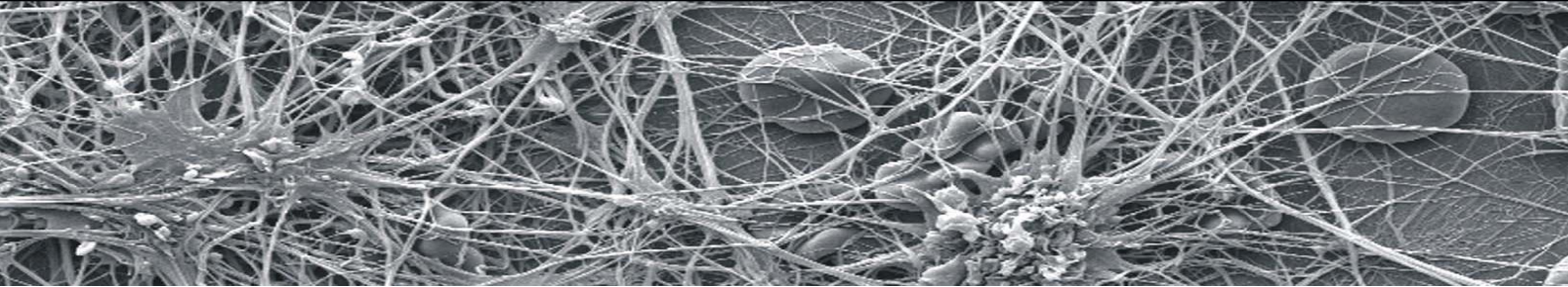


HEMOCOMPATIBILITY OF BIOMATERIALS –  
STATE OF THE KNOWLEDGE AND NEW DEVELOPMENTS

Dresden, September 8 - 9, 2011

Leibniz Institute of Polymer Research Dresden

Max Bergmann Center of Biomaterials



Control over blood-materials interactions remains a challenge after many years of research. Although fundamental patterns of blood activation have been uncovered and various promising passivation schemes for blood contacting materials have been suggested, a complete picture of the involved activation mechanisms and perfectly hemocompatible engineered surfaces are still to be achieved.

The meeting will bring together a small group of researchers from academia and industry focusing on understanding of blood-materials interactions and on strategies to minimize hemocompatibility problems of materials. It will be centered by around 9 invited lectures and a poster session.

**Thursday, September 8, 2011**

- 13:00 Opening Michael Sefton / Carsten Werner  
13:10 Buddy Ratner, Seattle, USA  
*Blood compatibility of polymers: old ideas and new conclusions*  
14:10 Kathleen Brummel-Ziedins, Burlington, USA  
*The dynamics of blood coagulation: empirical and theoretical approaches*  
14:55 Chris Siedlecki, University Park, USA  
*Protein function at the blood-material interface*  
15:40 Coffee Break  
16:00 Michael Sefton, Toronto, Canada  
*Platelet, leukocyte and complement activation*  
16:45 Horst-Dieter Lemke, Obernburg, Germany  
*Inflammatory and immunological responses of biomaterials*  
17:30 Poster Presentation / Snacks at the IPF  
20:00 Conference Dinner

**Friday, September 9, 2011**

- 9:00 Nan Huang, Chengdu, China  
*Metallic and inorganic surface – from anticoagulation to biomimetic surface modification*  
9:45 Hans-Peter Wendel, Tübingen, Germany  
*Evolution of blood contacting biomaterials – From heparin coatings to self-endothelializing surfaces*  
10:30 Coffee Break  
11:00 Manfred Maitz, Dresden, Germany  
*Thrombin-responsive hydrogels for anticoagulant surfaces*  
11:45 Jan Weber, Maastricht, The Netherlands  
*The required but impossible paradigm shift in medical device development*  
12:30 Concluding Remarks  
13:15 Lunch at IPF / Lab Tour

**Symposium Chairs:** Michael Sefton, Toronto, and Carsten Werner, Dresden  
**Local Organizing Committee:** Manfred Maitz, Claudia Sperling and Carsten Werner, Dresden  
**Conference Venue:** Leibniz Institute of Polymer Research Dresden, Conference Hall

**We invite applications for participation and presentation of a poster (please submit a one-page abstract) until August 10, 2011. We will inform you about the acceptance of the application/the poster soon thereafter.**

Name	Surname	Title
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Affiliation		
.....		
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Address		
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Phone	Fax	e-mail

**Registration fee (incl. VAT)**

- EUR 250 (Academic)       EUR 500 (Industry)

*An invoice will be sent to the address given above for the transfer of the registration fee.*

- Participation at the Conference Dinner (EUR 50), September 8, 8 pm at the Restaurant Alte Meister, Theaterplatz 1 a, Dresden: <http://www.altemeister.net/de/>.

- Poster Contribution. Title and authors:

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**Please return by August 10, 2011:**

**Britta Grüßner, Phone: ++49-351-4658-531, Fax: ++49-351-4658-533, email: [gruessner@ipfdd.de](mailto:gruessner@ipfdd.de)**