



## ESB Workshop 4:

### Design of Interfaces for Directing Biological Response

Wednesday, September 9, 2009, 16:30-18:30

*Chair persons: Marcus Textor & Katharina Maniura, Switzerland*

This workshop addresses scientists and engineers from academia and industry interested in an overview of the state-of-the-art and latest developments in the field of functionalisation of surfaces and interfaces for bio-oriented applications. Four internationally renowned experts will cover basic aspects of interface design and specific topics relevant to applications in the field of biosensing/diagnostics, protein- and cell-surface interactions, drug delivery and tissue engineering. Each speaker will provide an introduction to the corresponding concepts and critical issues, generally understandable also for participants without specialized knowledge in the field.

*Attendance of this workshop is free of charge for registered ESB participants*

#### Programme:

- 16:30-17:00     ***Surface Engineering of Diagnostics Applications***  
D. Grainger, University of Utah, USA
- 17:00-17:30     ***Spatio-temporal Control of Protein and Cell Interactions at Surfaces***  
A. Chilkoti, Duke University, USA
- 17:30-17:45     Coffee/Tea break
- 17:45-18:15     ***Interface Aspects of Polymeric Drug Delivery Systems***  
K. Kataoka, University of Tokyo, Japan
- 18:15-18:45     ***Materiomics: Dealing with Complexity in Tissue Engineering***  
C. A. van Blitterswijk, University of Twente, The Netherlands

*Organized and sponsored by*

