



Monday, 22 August 2011 to Saturday, 27 August 2011 · Seminaris CampusHotel Berlin

## Learning from living materials, developing technical materials for tissue regeneration and medical implants

### About the NAMT 2011:

The 5<sup>th</sup> Early Career Academy in Medical Technology (Nachwuchsakademie Medizintechnik, NAMT) is a joint event of the Charité - Universitätsmedizin Berlin, the Max Planck Institute of Colloids and Interfaces in Potsdam-Golm and the HZG Centre for Biomaterials Development in Teltow. Supported by the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG), it is devoted to the theme, "learning from living materials, developing technical materials for tissue regeneration and medical implants".

The NAMT will give exceptionally qualified early career scientists an up-to-date overview of this innovative research field, through lectures, practical sessions and laboratory visits, and motivate the development of their own research projects.

Building on the newly acquired knowledge, the project outlines submitted with the application will be subsequently expanded into proposals and take part in a competition for one year project-related research scholarships. These research projects may be performed in conjunction with a period in an external research facility where applicable.

### Key Topics:

- (1) From the clinic to basic research: interactions of cells with their environment
- (2) Characterisation of biological materials
- (3) Development of (bio-)materials
- (4) (Bio-)Materials: towards the clinic
- (5) (Bio-)Materials: meeting the patient
- (6) Discussion of project outlines with the DFG

### Applications:

The application in PDF format should be submitted, preferably by e-mail to [janet.klonower@charite.de](mailto:janet.klonower@charite.de), along with a curriculum vitae, list of publications, a brief summary of the doctoral thesis (1-2 pages) and the project outline (max. 5 pages). The entire length shall not exceed 10 pages and the PDF files must be no greater than 2 Mb in total. Additional information is provided on the website [www.namt2011.de](http://www.namt2011.de). The application deadline is 15 May 2011.

For eligibility, the completion of the scientific education – normally the doctoral degree – is presumed. In exceptional cases, applications may be accepted prior to completion of the doctorate, provided that evidence of the conferral of the degree is submitted within the evaluation period.

### Invited Speakers:

Prof. Aldo Boccaccini (Universität Erlangen-Nürnberg)  
Prof. Dennis Discher (University of Pennsylvania)  
Prof. George C. Engelmayr (Penn State University)  
Prof. Lorenz Meinel (Universität Würzburg)  
Prof. David Mooney (Harvard University)  
Prof. Fridtjof Nüsslin (Technische Universität München)  
Prof. Reinhard Schnettler (Uniklinik Gießen und Marburg)  
Prof. Klaus van der Mark (Universität Erlangen)  
Prof. Carsten Werner (Leibniz-Institut für Polymerforschung)

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Prof. Georg Duda

Prof. Norbert Haas

Prof. Peter Fratzl

Prof. Andreas Lendlein