

## Focus Area NanoScale

### Newsletter 01/2014

#### PERSONALIA

- April 2014 | **Dr. Sebastian Seiffert** (HZB / Freie Universität Berlin) will begin a **W2-professorship** for Supramolecular Polymer Materials, which will jointly be financed by the Helmholtz-Zentrum Berlin and the Freie Universität Berlin.
- April 2014 | **Dr. Kevin Pagel** (FHI) is starting a **W1-professorship** in Bioorganic Chemistry („Dahlem International Network Junior Research Group“) with the topic „Ion-mobility Mass Spectroscopy of (bio)macromolecules and their complexes“.
- April 2014 | **Prof. Dr. Nan Ma** (HZG) was appointed a new **W2-professorship** for Polymer Biomaterials at the Institute of Chemistry and Biochemistry. Prof. Ma is also group leader of the Biocompatibility-Group at the Helmholtz-Zentrum Geesthacht in Teltow, Institute of Biomaterial Science.
- December 2013 | **Prof. Dr. Stefan Raunser** (MPI Molecular Physiology) was appointed a **Einstein-Professorship for membrane biochemistry** at the Freie Universität Berlin. The renowned structure biologist will investigate the molecular cause of high levels of cholesterol in blood, furthermore bacterial toxins and their interactions with cell membranes.
- May 2013 | **Jun.-Prof. Dr. Marcelo Calderon** obtained in December 2012 a **NanoMatFutur-grant** from the BMBF and focuses his research since Mai 2013 as an **assistant professor** („Junior-Professor“) on nano- and microscale drug carriers at the Institute of Chemistry and Biochemistry.

#### AWARDS/PRIZES

- **Dr. Sebastian Seiffert** has been awarded in November 2013 with the Raimund-Stadler-Prize of the German Society of Chemists (GDCh) and in March 2014 with the „Habilitationen-Preis 2013“ (prize for instructors completing their professional credentials) of the „Arbeitsgemeinschaft Deutscher Universitätsprofessoren und -professorinnen für Chemie“ (ADUC).
- January 2014 | **Prof. Dr. Katharina Franke** (Experimental Nanophysics) got a high ranked **Consolidator Grant** of the European Research Council (ERC). In the next 5 years she will spend the sum of 2 million euro for the research of interactions between single magnetic atoms with superconductors.
- 2013 / 2014 | The biochemists **Prof. Dr. Oliver Daumke** and **Prof. Dr. Stefan Raunser** were awarded with **ERC Consolidator Grants**. With the grant Prof. Dr. Daumke will focus his research on mitochondria, where he will study the dynamics and structure of these energy suppliers of the cell.

## GUEST SCIENTISTS

- **Prof. Dr. Zhiyuan Zhong**, awardee of the Friedrich Wilhelm Bessel Research Award of the Alexander von Humboldt-Foundation (joint initiative with the Helmholtz-Zentrum Geesthacht (HZG) in Teltow). The Humboldt-Foundation recognizes his outstanding results in the area of nanoscale drug carriers for medicine.

## RESEARCH PROJECTS

- The **Focus Area NanoScale** funds 8 new interdisciplinary research projects for one year with the sum of 15 - 30 T€ each, starting in January 2014. In 2013 a total of 12 research projects which facilitate interdisciplinary and interinstitutional research were financially supported.
- May 2013 | Successful extension of the **Collaborative Research Center (CRC) 658** „Elementary Processes in Molecular Switches at Surfaces“ (3rd funding period; Speaker: Prof. Felix von Oppen, PhD, Physics, Freie Universität Berlin).
- May 2013 | New **CRC 1078** „Protonation Dynamics in Protein Function“ (Speaker: Prof. Dr. Holger Dau, Biophysics, Freie Universität Berlin).
- May 2013 | New **CRC 1112** „Nanocarriers: Architecture, Transport, and Topical Application of Drugs for Therapeutic Use“ (Speaker: Prof. Dr. Eckart Rühl, Physical Chemistry, Freie Universität Berlin).
- October 1st 2013 | New **Helmholtz-Graduate School** for Macromolecular Biosciences established for the research of biomaterials. The graduate school is an collaborative project of the Helmholtz-Zentrum Geesthacht in Teltow, Freie Universität Berlin and Universität Potsdam (Speaker: Prof. Dr. Beate Kocsch, Chemistry, Freie Universität Berlin).

## CURRENT CALLS

- As part of the new Career Path Model of the Freie Universität Berlin, the Center for Research Strategy (CRS) has published new calls with the deadline of April 1st/3rd: „Dahlem International Network Professorships“ (5 W2), „Dahlem International Network Junior Research Groups“ (7 W1) und „Dahlem International Network Postdocs“ (10). Especially the new professorships „Biophotonics and Nanophotonics“ (W1) and „Theoretical Molecular Biophysics“ (W2) strengthen the profile of the Focus Area NanoScale.
- BMBF (PtJ): Material Research for a new Energy Policy / Materialforschung für die Energiewende. Aim of this initiative is the development of materials for the challenges of a new energy policy / lower energy consumption. Deadline: March 31st 2015.
- BMBF: Organic Electronics - Technology and application scenarios in the frame of the program „Photonics Research Germany“. Deadline: Mai 16th 2014.
- EU: Horizon 2020: The European Commission has recently published the first calls for its framework program „Horizon 2020“ for research and innovation for the years 2014 and 2015.

*The NanoScale-coordination office gladly supports you in the application processes..*

*You are welcome to forward this newsletter to others who might be interested.*

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