

Saturday, August 26th

9.00	<b>Money on my mind - Advice to a Young Scientist (on scientific life and grant writing)</b> Jonathan Müller University of Birmingham, UK
10.00	<b>I did it my way - a career in industry</b> Bianca Brögmann Evonik GmbH, Germany
11.00	<b>Coffee Break</b>
11.30	<b>Livin' la vida academica - academic career paths</b> Shirley Knauer, University Duisburg-Essen, Germany
12.30	<b>Time to say goodbye - Closing remark</b> Dana Westmeier, Roland Stauber



Organisation and Contact

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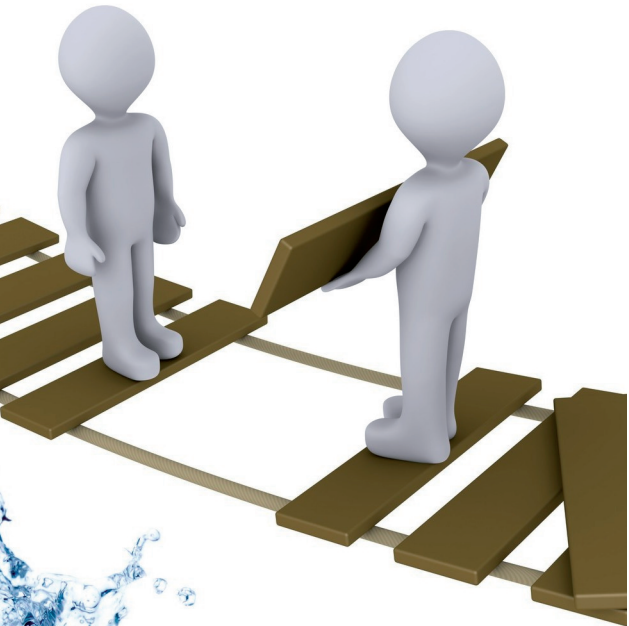
Lageplan

Universitätsmedizin Mainz

**Universitätsmedizin**  
der Johannes Gutenberg-Universität Mainz,  
Langenbeckstr. 1, 55131 Mainz

Conference Venue  
Lecture Hall, Building 102

Auf unserer Homepage [www.unimedizin-mainz.de](http://www.unimedizin-mainz.de) finden  
Sie Anfahrtsskizzen sowie mögliche Busverbindungen.



Universitätsmedizin Mainz

Bridging the disciplines -  
Nanoforum for Young  
Scientists

August, 24th - 26th 2017  
Mainz

Unser Wissen für Ihre Gesundheit

Bridging the disciplines -  
Nanoforum for Young  
Scientists

Dear colleagues,

nanobiomedicine, i.e. nanotechnology applied to biomedical applications, seeks to improve our mechanistic understanding of (patho)biological regulations in order to achieve earlier and more precise diagnosis (the sooner, the better the treatment), improved targeted therapies (less side effects), and better therapy monitoring (faster recovery). Thus, nanobiomedicine is expected to enable the next level in delivering new drugs, treatments and implantable devices to researchers, clinicians and patients. As nanobiomedicine is clearly an interdisciplinary research area with no sharp boundaries, the meeting addresses researchers from different scientific areas medicine, physics, chemistry, pharmacology and biology, sharing an interest in this exciting field. In order to improve our understanding of the 'nano-biomedical interface', we would cordially invite you to attend our symposium to discuss recent progress in the field and stimulate collaborative efforts. Hence, we would appreciate to welcoming you on this occasion at the University Medical Center Mainz!

With best regards,  
Dana Westmeier, Sebastian Strieth, Roland Stauber

Thursday, August 24th

12.45	<b>Get together</b> Lunch and Registration
13.45	<b>Willkommen, welcome, bienvenue</b> Dana Westmeier, Roland Stauber
Opening Keynote Lecture	
14.00	<b>Graphene and the immune system: a romance of many dimensions</b> Bengt Fadeel KI Stockholm, Sweden
15.00	<b>Simulating the lung-clearance of barium sulfate NPs by dissolution</b> Johanna Koltermann-Jüllly BASF SE, Germany
15.30	<b>They DO care about us - Coffee with the experts</b>
16.00	<b>Crosstalk of NPs and microorganisms</b> Dana Westmeier UMM Mainz, Germany
16.30	<b>Poly lactic-co-glycolic acid (PLGA) nanoparticles</b> Maria Camilla Operti Evonik GmbH, Germany
17.00	<b>Establishing a 3D model of a brain vessel to identify relevant NP characteristics for crossing the blood-brain barrier</b> Helen Onyema, ICT-IMM, Germany
17.45	<b>What goes around comes around - Science and Culture:</b> Departure for a guided city tour with the Gutenberg Express

Friday, August 25th

Keynote Lecture	
9.15	<b>Polymer micelles, worms, and hollow spheres under confinement and shear</b> Wuge Briscoe University of Bristol, UK
10.00	<b>Simulation of protein interaction with stealth polymers</b> Giovanni Settanni JGU Mainz, Germany
10.30	<b>Studying NP-membrane interactions using MD simulations</b> Zoe Cournia BRFAA, Greece
11.00	<b>They DO care about us - coffee with the experts</b>
11.30	<b>Charged ligand-protected Au NPs in model lipid membranes</b> Guilia Rossi University of Genova, Italy
12.00	<b>A web based crystallographic tool for the construction of nanoparticles</b> Alexios Chatzgoulas BRFAA, Greece
12.20	<b>Simultaneous online detection of SiO2, TiO2 and Al2O3 particles in toothpaste</b> Manuel Correia Technical University of Denmark
12.40	<b>Another one bites the lunch</b> Interdisciplinary tables to foster broad scientific exchange

14.00	<b>NP interaction with proteins</b> Kenneth Dawson CBNI, Ireland
14.45	<b>Design of novel materials to deliver growth factors in tissue regeneration</b> Wei Qi Qufu Normal University, China
15.15	<b>Polypept(o)ids: From Novel Polymers to Functional Systems for Diagnosis and Therapy</b> Matthias Barz JGU Mainz, Germany
15.45	<b>They DO care about us - Coffee with the experts</b>
16.15	<b>Revealing the impact of CuO and TiO2 nanoparticles on alveolar epithelial-like cells after air-liquid interface exposure by gene expression analysis</b> Matthias Hufnagel KIT, Germany
16.45	<b>NP interaction with viruses and lipid bilayers</b> Francesco Stellacci University of Lausanne, France
17.30	<b>A little less conversation - Science and Food</b> Departure for Conference Dinner at Bootshaus