

Saturday, December 7th

9.30	Microstructured Adhesives for Skin Adhesion: Technical Realization and Implementation of a Regulatory Strategy Klaus Kruttwig
10.00	Nanoprobes for Molecular Imaging of Tumors Mingyuan Gao
10.30	Coffee Break
Special Session: "Women in Science"	
11.00	Mediocracy or Meritocracy - Why We Need More Female Leaders Martin Michel
11.30	It's not Magic, it's Mentoring - How to Pull a Rabbit out of a Hat Stefanie Hülsenbeck
11.45	Small Meets Smaller - Nanomaterial-based Modulation of Microbes Shirley Knauer
12.15	Young Investigator Session Qiang Lu
12.30	Time to say goodbye - Closing Remarks, Awards, Lunch



Organisation and Contact

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Conference Venue
Lecture Hall, Building 102

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Universitätsmedizin Mainz

Debugging NanoBio-Interfaces to Promote Clinical Translation

5th to 7th
December 2019



Unser Wissen für Ihre Gesundheit

Debugging NanoBio-Interfaces to Promote Clinical Translation

Dear colleagues,

nanoparticle applications in biotechnology and biomedicine are steadily increasing. This has raised high expectations for further clinical improvements, also with high socio-economic impact. In contrast, few nanoparticles have reached clinical applications as robust tools of nanomedicine. To however improve therapeutic gain of nanomedicine, a mechanistic understanding of determinants at nanobio-interfaces is a must, though still limited.

Bearing such limitations in mind, with this symposium, we aim to not only bring together leading researchers in both (pre)clinical nanobiomedicine but also to provide a platform for young researchers to educate trans-disciplinary communication in the growing areas of nanobiomedicine. Hence we would appreciate to welcome you on this occasion at the Unversity Medical Center Mainz!

With best regards,
Svenja Siemer, Shirley Knauer, Sebastian Strieth, Roland Stauber

Thursday, December 5th

12.00	Get together Lunch and Registration
13.00	Opening and Welcome Roland Stauber, Svenja Siemer
13.15	Young Investigator Session Helen Onyema Johannes Keller
13.45	Core Cross-linked Micelles: From Synthetic Concepts to Clinical Translation Matthias Barz
14.15	Modulation of Survivin's Cancer-promoting Functions with Supramolecular Ligands Cecilia Vallet
14.45	Coffee Break
15.15	Nanopharmaceuticals for Combatting and Preventing Infectious Diseases Claus Michael Lehr
15.45	Biological Recognition at the Nanoscale Interface Kenneth Dawson
16.15	Actuated Nanostructures and Driven Nanopropellers to Cross Bio-interfaces Peer Fischer
16.45	Young Investigator Session Micol Massimiani
17.00	Science and Christmas Lights Discussion

Friday, December 6th

9.15	Greetings & Welcome Roland Stauber
9.30	Nature's Secret Lubricants: From Dinosaurs' Knee Joints to Artificial Hip Replacements Wuge Briscoe
10.00	A Lipid-based System for the Oral Delivery of Peptides and Proteins Gert Fricker
10.30	Lung Surfactant and the Establishment of a Dynamic Nano/Respiratory Biointerface Jesus Perez-Gil
11.00	Coffee Break
11.30	How Reliable are Measurements of the Protein Corona? Wolfgang Parak
12.00	Nano-omics for Biomarker Discovery Marilena Hadjidemetriou
12.30	Aggregation-induced Emission for Biomedical Applications Jens Voskuhl
13.00	Lunch Interdisciplinary tables for scientific exchange

14.00	Smart Cancer Nanomedicine Twan Lammers
14.30	Photoablation of Human Vitreous Opacities by Light-induced Vapour Nanobubbles Felix Sauvage
15.00	Interfacing Amyloidigenic Proteins with Nanomaterials: Atomistic Insights from Simulations Giorgia Brancolini
15.30	Coffee Break
16.00	Efficient Trapping of Fluorinated Therapeutics at the Air/Water Interface Using Fluorous Interactions. Implications for Microbubble Design Marie-Pierre Krafft
16.30	Nano-to-meso Confinement Regulates the Fate of Cells Motomu Tanaka
17.00	Nanotechnology and Wine and Human Health - It Takes Three to Tango Discussion