



SYMPOSIUM 2018
– NANOMEDICINE –
IS THERE MORE THAN
TUMOR TARGETING?
20./21. SEPTEMBER • MAINZ

Program

Thursday, September 20th 2018

12.00 – 12.10 **Opening Remarks**

Session I – Chair: Volker Mailänder

12.10 – 12.40 **Ulrich S. Schubert**, Friedrich Schiller University Jena
New pharmapolymers and nanoparticles for applications in nanomedicine

12.40 – 13.10 **Rudolf Zentel**, Johannes Gutenberg University Mainz
Cationic nanohydrogels as carrier systems

13.10 – 13.40 **Matthias Barz**, Johannes Gutenberg University Mainz
Polypept(o)ids for cancer immune therapy

13.40 – 14.10 **Coffee Break**

Session II – Chair: Matthias Barz

14.10 – 14.40 **Dagmar Fischer**, Friedrich Schiller University Jena
Breaking the biofilm barrier: Polymer particles for drug applications in biofilm-embedded pathogens

14.40 – 15.10 **Volker Mailänder**, University Medical Center JGU Mainz
The protein corona as decisive factor for stealth and targeting of nanocarriers

15.10 – 15.40 **Johannes Brendel**, Friedrich Schiller University Jena
Self-assembled polymer nanostructures for selective treatment of gastrointestinal inflammation

15.40 – 16.10 **Coffee Break**

Session III – Chair: Dagmar Fischer

- 16.10 – 16.40 **Stephanie Höppener**, Friedrich Schiller University Jena
Insights into the structure and morphology of polymer nanoparticles obtained by (cryo-)TEM
- 16.40 – 17.10 **Pol Besenius**, Johannes Gutenberg University Mainz
Multicomponent supramolecular polymers as a platform for the design of modular antitumor vaccines
- 17.30 – **Symposium Dinner**
Buffet on the MPI-P premises

Friday, September 21st 2018

Session IV – Chair: Kalina Peneva

- 9.00 – 9.30 **Stephan Grabbe**, University Medical Center JGU Mainz
Obstacles for cell-specific targeting of nanoparticles in vivo
- 9.30 – 10.00 **Lutz Nuhn**, Max Planck Institute for Polymer Research Mainz
Immune modulating nanogels for cancer immunotherapy
- 10.00 – 10.30 **Philipp Heller**, BioNTech RNA Pharmaceuticals Mainz
Polypeptide nanoparticles for nucleic acid delivery
- 10.30 – 11.00 **Coffee Break**

Session V – Chair: Pol Besenius

- 11.00 – 11.30 **Ivo Nischang**, Friedrich Schiller University Jena
In-situ solution analysis of nanomedicines in the ultracentrifuge
- 11.30 – 12.00 **Kaloian Koynov**, Max Planck Institute for Polymer Research Mainz
Fluorescence correlation spectroscopy studies of nanocarrier-based drug delivery systems
- 12.00 – 12.30 **Kalina Peneva**, Friedrich Schiller University Jena
Guanidinium group – key component in the design of small molecule probes and polymeric carriers for nucleic acids
- 12.30 – 12.40 **Closing Remarks**
- 12.40 – 14.00 **Lunch**