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