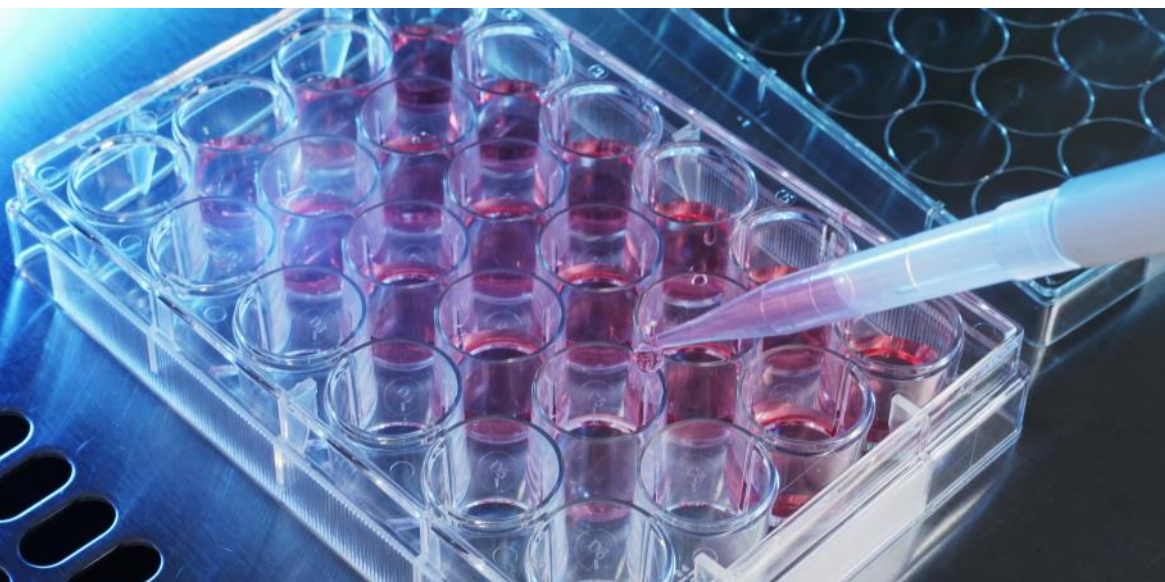


FRIEDRICH-SCHILLER-
UNIVERSITÄT
JENA

JOHANNES GUTENBERG
UNIVERSITÄT MAINZ



NANOMEDICINE FORMULATION, CHARACTERIZATION, TRANSLATION

Summer School of the CRC 1066 (Mainz) and CRC 1278 (Jena)

24 - 28 June 2019 | Dipperz/Fulda

GENERAL INFORMATION

Date

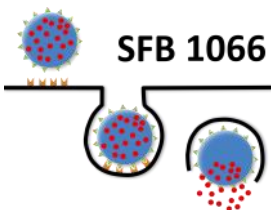
24 - 28 June 2019

Venue

Hotel Rhön Residence
Knesheckenweg 2
36160 Dipperz/Fulda

Organizers

CRC 1066 "Nanodimensional polymer therapeutics for tumor therapy"
of the Johannes Gutenberg University Mainz, Germany



CRC 1278 "Polymer-based nanoparticle libraries for targeted anti-inflammatory strategies" – PolyTarget
of the Friedrich Schiller University Jena, Germany



Supported by

DFG Deutsche
Forschungsgemeinschaft
German Research Foundation

PROGRAMME

Monday, 24 June 2019

12:00 pm	ARRIVAL
01:00 pm	LUNCH
02:00 pm to 04:00 pm	SESSION 1
02:00 pm	Introduction to the CRC 1066 <i>Prof. Dr. Rudolf Zentel</i> <i>Johannes Gutenberg University Mainz, Mainz</i>
02:45 pm	Introduction to the CRC 1278 <i>Prof. Dr. Ulrich S. Schubert</i> <i>Friedrich Schiller University Jena, Jena</i>
03:30 pm	DFG – an overview from CRCs to early career support <i>Dr. Ilka Paulus</i> <i>German Research Foundation (DFG), Bonn</i>
04:00 pm	COFFEE BREAK
04:30 pm to 06:00 pm	SESSION 2
04:30 pm	Site specific conjugation of biologicals <i>Prof. Dr. Lorenz Meinel</i> <i>Julius Maximilians University Würzburg, Würzburg</i>
05:15 pm	From immune evasion to tumor immunity <i>Prof. Dr. Tobias Bopp</i> <i>University Medical Center JGU Mainz, Mainz</i>
07:00 pm	DINNER

PROGRAMME

Tuesday, 25 June 2019

09:15 am to
10:40 am

SESSION 1

09:15 am Fluorescence correlation spectroscopy studies of
nanocarrier-based drug delivery systems
Dr. Kaloian Koynov
Max Planck Institute for Polymer Research, Mainz

10:00 am Project Talk CRC 1066, Project A02:
Protein-based nanocarriers via click chemistry for
targeted drug delivery
Natkritta Hüppe
Johannes Gutenberg University Mainz, Mainz

10:20 am Project Talk CRC 1278, Project B04:
Tip-enhanced raman spectroscopy for the
characterization of polymer nanoparticles
Dr. Christiane Höppener
Friedrich Schiller University Jena, Jena

10:40 am COFFEE BREAK

11:15 am to
01:30 pm

SESSION 2

11:15 am Nanocarriers, proteins and proteomics
Prof. Dr. Volker Mailänder
University Medical Center JGU Mainz, Mainz

12:00 pm Advanced TEM methods for the characterization of
nanoparticles and their intracellular fate
PD Dr. Stephanie Höppener
Friedrich Schiller University Jena, Jena

PROGRAMME

12:45 pm Polymeric nanomedicine: Sense and non-sense
Dr. Matthias Barz
Johannes Gutenberg University Mainz, Mainz

01:30 pm LUNCH

02:30 pm to SOCIAL EVENT
06:00 pm City Tour Fulda

07:00 pm DINNER



PROGRAMME

Wednesday, 26 June 2019

09:15 am to
11:05 am

SESSION 1

09:15 am

Nanoparticle based mRNA delivery: From lab to clinics

Dr. Heinrich Haas

BioNTech AG, Mainz

10:00 am

GMP production of polyaminoacids

Dr. Vicent Nebot

PTS - Polypeptide Therapeutic Solutions, Valencia

10:45 am

Project Talk CRC 1066, Project A06:

Polypept(o)ide-based cylindrical polymer brushes as
molecular vaccine in tumor immunotherapy

Christine Seidl

Johannes Gutenberg University Mainz, Mainz

11:05 am

COFFEE BREAK

11:35 am to
01:25 pm

SESSION 2

11:35 am

siRNA and antisense therapies for liver diseases

Prof. Dr. Dr. Detlef Schuppan

University Medical Center JGU Mainz, Mainz

12:20 pm

Selective targeting of parenchymal and non-
parenchymal liver cells – rationale and strategies

Prof. Dr. Michael Bauer

University Hospital Jena, Jena

PROGRAMME

- 01:05 pm Project Talk CRC 1278, Project C01:
Raman spectroscopic characterization of the linkage
and interaction mechanism of nanocarriers and drugs
with hepatic stellate cells
Sophie Huschke
University Hospital Jena, Jena
- 01:25 pm LUNCH
- 02:30 pm to SESSION 3
04:00 pm
- 02:30 pm Pharmacological targeting of lipid mediators as anti-
inflammatory strategy
Prof. Dr. Oliver Werz
Friedrich Schiller University Jena, Jena
- 03:15 pm Characterization of nanocarriers
Prof. Dr. Katharina Landfester
Max Planck Institute for Polymer Research, Mainz
- 04:00 pm COFFEE BREAK

PROGRAMME

04:30 pm to 07:00 pm	SESSION 4 Parallel sessions
04:30 pm	Workshop PubPharm - The search platform for pharmacy-specific literature <i>Stefan Wulle</i> <i>University Library Braunschweig</i> Successful publishing in scientific journals and project "DEAL" <i>Dr. David Huesmann</i> <i>Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim</i>
04:30 pm	Joint PI Retreat CRC 1066 and CRC 1278
07:00 pm	DINNER

PROGRAMME

Thursday, 27 June 2019

09:15 am to
11:00 am

SESSION 1

09:15 am

Micellar engineering: Crosslinking, cargo-carrier interactions and light-mediated release

Prof. Dr. Felix Schacher

Friedrich Schiller University Jena, Jena

10:00 am

Project Talk CRC 1278, Project A06:
Maintaining the hydrophilic–hydrophobic balance of polyesters with adjustable crystallinity for tailor-made nanoparticles

Damiano Bandelli

Friedrich Schiller University Jena, Jena

10:20 am

Project Talk CRC 1278, Project B04:
Quantifying the distribution of nanoparticle- and micelle-based cargo delivery using image-based systems biology techniques

Dr. Zoltan Cseresnyes

Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute, Jena

10:40 am

Project Talk CRC 1066, Project B08:
Local tumor reprogramming by micelle-mediated cyclic nucleotide repression

PD Dr. Christian Becker

University Medical Center JGU Mainz, Mainz

11:00 am

COFFEE BREAK

11:30 am to
01:00 pm

SESSION 2

11:30 am

Microwave assisted synthesis
Dr. Christine Weber
Friedrich Schiller University Jena, Jena

12:15 pm

Fibre-like polymer nanostructures: How to make them
and what to use them for?
Dr. Johannes Brendel
Friedrich Schiller University Jena, Jena

01:00 pm

LUNCH AND POSTER SET-UP

02:00 pm to
03:15 pm

SESSION 3

02:00 pm

Project Talk CRC 1278, Project A01:
Polyesteramides with tailor-made hydrophilicity
Irina Muljajew
Friedrich Schiller University Jena, Jena

02:20 pm

Project Talk CRC 1066, Project B11:
The effect of anticoagulant polysaccharids on the bio-
distribution of nanocarriers
Adelina Haller
University Medical Center JGU Mainz, Mainz

PROGRAMME

02:40 pm Poster Elevator Pitch Talks Part 1

P01: Project A01, CRC 1278, Jena
P02: Project A02, CRC 1278, Jena
P03: Project A02, CRC 1066, Mainz
P04: Project A03, CRC 1278, Jena
P05: Project A04, CRC 1278, Jena
P06: Project A05, CRC 1278, Jena
P07: Project A06, CRC 1278, Jena
P08: Project A06, CRC 1066, Mainz
P09: Project A07, CRC 1066, Mainz
P10: Project B02, CRC 1278, Jena
P11: Project B03, CRC 1278, Jena

03:15 pm COFFEE BREAK

03:45 pm to
06:30 pm SESSION 4

03:45 pm Poster Elevator Pitch Talks Part 2

P12: Project B04, CRC 1278, Jena
P13: Project B04, CRC 1066, Mainz
P14: Project B05, CRC 1066, Mainz
P15: Project B06, CRC 1278, Jena
P16: Project B06, CRC 1066, Mainz
P17: Project B12, CRC 1066, Mainz
P18: Project B13, CRC 1066, Mainz
P19: Project C01, CRC 1278, Jena
P20: Project Q01, CRC 1066, Mainz
P21: Project C02, CRC 1278, Jena
P22: Project Q02, CRC 1066, Mainz
P23: Project C03, CRC 1278, Jena
P24: Project Q03, CRC 1066, Mainz
P25: Project C04, CRC 1278, Jena
P26: Project Z01, CRC 1278, Jena

PROGRAMME

04:30 pm Poster Session

07:00 pm **BARBECUE DINNER**



PROGRAMME

Friday, 28 June 2019

09:15 am to
11:05 am

SESSION 1

09:15 am

Preclinical test strategies using the shell less hen's egg test

Prof. Dr. Dagmar Fischer

Friedrich Schiller University Jena, Jena

10:00 am

Shielded nanoparticles for transport of nucleic acids

Dr. Anja Träger

Friedrich Schiller University Jena, Jena

10:45 am

Project Talk CRC 1278, Project A02:

Tailored nanoparticles with two-step release pattern:

New tool for drug delivery

Henry Lindemann

Friedrich Schiller University Jena, Jena

11:05 am

COFFEE BREAK

11:35 am to
12:30 pm

SESSION 2

11:35 am

Project Talk CRC 1066, Project Q03:

Radiolabeled nanogels

Natascha Drude

RWTH Aachen University, Aachen

PROGRAMME

- 11:55 am Project Talk CRC 1278, Project B02:
Prodrug nanoparticles to target conidia of the human-
pathogenic fungus *Aspergillus fumigatus* in
macrophages
Katherine Gonzalez
Leibniz Institute for Natural Product Research and
Infection Biology – Hans Knöll Institute, Jena
- 12:15 pm Closing Remarks
- 12:30 pm LUNCH
- 02:00 pm DEPARTURE

NOTES

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