

DFG Colloquium and Review Panel Meeting of SPP1313-2 (Bio-Nano-Responses)

6. / 7. October 2010

University of Duisburg-Essen. Campus Essen
Universitätsstrasse 5-7, 45117 Essen
Chemiehörsaal (Building S07)

Programme

Wednesday, 06.10.10

- 14.30 – 15.00 Internal meeting of reviewers (I) (Casino)
Set-up of posters in building S07
- 15.00 – 19.00 Oral presentations of SPP1313-2 clusters (I)**
- 15.00 – 15.10 T. Hotopp, Bonn; R. Zellner, Essen
Welcome and introduction
- 15.10 – 15.30 R. Zellner, Essen
“Overview of SPP1313 and its coordination: Past and future”
Chair: G. U. Nienhaus
- 15.30 – 16.00 I. Hilger, Jena; W. Tremel, C. Sönnichsen, Mainz; A. Janshoff, Göttingen;
“Interactions of Janus Particles with Membranes and Cells from the Human Blood
Compartment” (PARCEL-II)
- 16.00 – 16.30 J. Heeren, Hamburg; A. Eychmüller, Dresden; P. Nielsen, R. Reimer, Hamburg;
“Hepatic Processing and Biological Responses to Nanocrystals in vivo”
(NANOFATE)
- 16.30 – 17.00 Coffee break**
Chair: K. Landfester
- 17.00 – 17.30 H.-R. Paur, S. Mülhopt, Eggenstein; H. Bockhorn, Karlsruhe; C.
Weiss, S. Diabaté, H. Saathoff, Eggenstein
“Nanoparticles: Synthesis, Characterisation, and Cellular Effects”
(NANO-SYNCC)
- 17.30 – 18.00 A. Wixforth, Augsburg; C. Bräuchle, München; A. Reller, Augsburg; I. Hilger, Jena
“Bioactivity and Cellular Uptake of Distinct Nanoparticles in Human
Endothelial Cells” (NPBIOMEN)
Chair: E. Rühl
- 18.00 – 18.25 M. Epple, Essen; M. Köller, Bochum; L. Treuel, R. Zellner, Essen
“Tailored Silver Nanoparticles in Biological Environments: Interactions with
Biomolecules and Cells” (Nano-ag)
- 18.25 - 18.50 S. Barcikowski, Hannover; D. Rath, W. Kues, Neustadt
“Influence of Metal and Alloy NPs on Germ Cell Function and Embryo
Development” (REPROTOX)
- 19.00 – 20.00 Dinner (Glaspavillon)**
- 20.00 – 21.30 Poster session (I)**
including posters PARCEL II, NANOFATE, NANO-SYNCC, NPBIOMEN, Nano-ag,
REPROTOX and Coordination Project
- 21.45 Bus transfer from campus to hotels in Mülheim

Thursday, 07.10.10

- 08.15 Bus transfer from hotels in Mülheim to campus
- 09.00 – 12.00 Oral presentations of SPP1313-2 clusters (II)**
Chair: H. Weller
- 09.00 – 09.30 R. Stauber, Mainz; H.-J. Galla, Münster; J. Kirkpatrick, M. Maskos, Mainz; R. Zellner, L. Treuel, Essen
“Biological Influence of Nanoparticles on Exposed Epithelial Respiratory Surfaces” (BIONEERS-2)
- 09.30 – 10.00 U. Nienhaus, Karlsruhe; P. Gehr, B. Rothen-Rutishauser, Bern; W. Kreyling, C. Schleh, Neuherberg; W. Parak, P. Rivera Gil, Marburg
“Health Effects of Manufactured Nanoparticles: Molecular and Cellular Biology and Toxicology” (NanoBioTox)
- 10.00 – 10.30 E. Rühl, C. Graf, J. Lademann, A. Vogt, A. Jordan, A. Gruber, Berlin;
“Nanoparticles Containing Selective Probes: Interaction Mechanisms of NPs with Cell Membranes, Intracellular Uptake, and Transport” (NANO-SELECT)
- 10.30 – 11.00 Coffee break**
Chair: I. Hilger
- 11.00 – 11.30 K. Landfester, Mainz; U. Nienhaus, Karlsruhe; T. Simmet, Ulm; V. Mailänder, Mainz
“Influence of Functionalized Polymeric Nanoparticles of Different Size, Material, and Functionalization on Differentiation, Inflammation, Proliferation, Apoptosis and Interaction with Cellular Compartments and Proteins” (NanoCellInteract)
- 11.30 – 11.55 J. Wegener, Regensburg; K. Sinner, Mainz/Wien
“Interference of Chemically Inert Nanoparticles with Key Events of Cell Physiology” (DotTox-II)
- 11.55 – 12.25 A. Gebert, Lübeck; A. Frey, Borstel; G. Hüttmann, Lübeck; H. Weller, Hamburg
“How Particles Enter the Body: Investigating Particle-Barrier Interactions in the Digestive Tract” (PARENTRY)
- 12.30 – 13.30 Lunch (Glaspavillon)**
- 13.30 – 15.00 Poster session (II)**
including posters BIONEERS-2, NanoBioTox, NANO-SELECT, NanoCellInteract, Dot-Tox-II, PARENTRY
- 15.00 – 19.00 Internal meeting of reviewers (II) (Casino)
- 19.00 – 19.30 Dinner (reviewers only)**
- 19.30 – 21.30 Internal meeting of reviewers (II, ctd)
- 21.30 Bus transfer from campus to hotels in Mülheim (reviewers only)

Friday, 08.10.10

- 08.15 Bus transfer from hotels in Mülheim to campus
- 09.00 – 12.00 Internal meeting of reviewers (III) (if necessary)
- 12.00 Adjourn