

General information

Organizer

Prof. Dr. med. Christoph Alexiou
Assistant Medical Director at the Department of Otorhinolaryngology, Head and Neck Surgery, Else Kröner-Fresenius-Stiftung Professorship, Head of Section of Experimental Oncology and Nanomedicine (SEON)

Languages

German/English
supported by simultaneous interpreter

Registration

We kindly ask you to register until
Friday, 29th January 2016 at
seon@uk-erlangen.de or by
Fax: +49 9131 85-34808

Getting there

By train

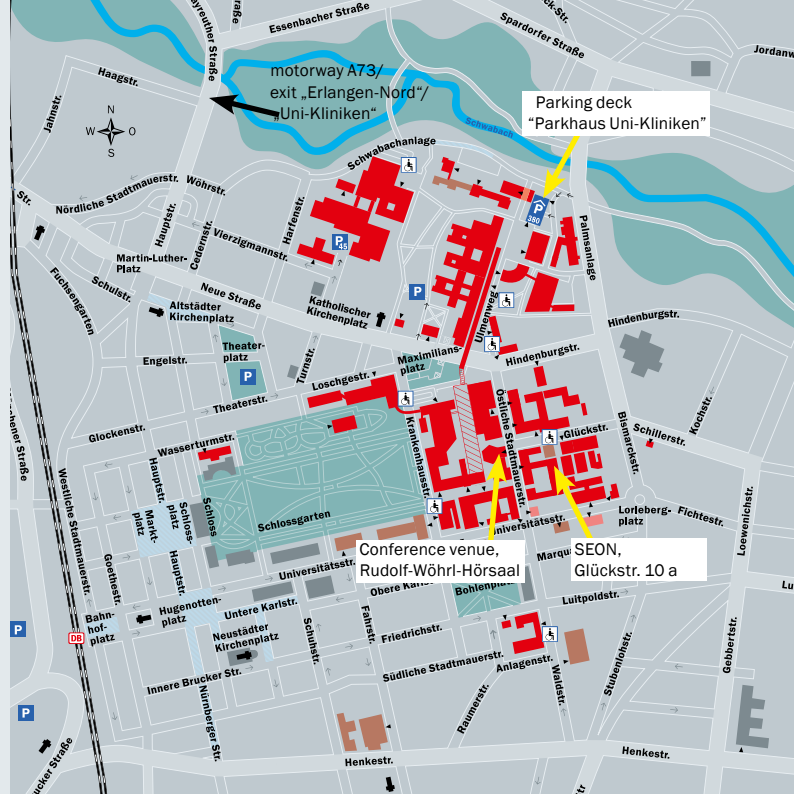
From Erlangen central station you can reach the conference venue in about ten minutes: walk from Hugenottenplatz along Universitätsstraße, turn left into the Östliche Stadtmauerstraße

Parking

Public parking areas: Theaterplatz, Großparkplatz Innenstadt (behind central station) and parking deck „Parkhaus Uni-Kliniken“

Account for donations

Universitätsklinikum Erlangen
Stadt- und Kreissparkasse Erlangen
IBAN: DE69 7635 0000 0000 0620 00
BIC: BYLADEM1ERH
Intended use:
Nanomedicine Prof. Alexiou, name and address



Department of Otorhinolaryngology, Head and Neck Surgery

Head: Prof. Dr. med. Dr. h. c. Heinrich Iro

Section of Experimental Oncology and Nanomedicine (SEON)

Head: Prof. Dr. med. Christoph Alexiou

Glückstr. 10 a, 91054 Erlangen
www.hno-klinik.uk-erlangen.de/seon-nanomedizin/

Phone: +49 9131 85-33142

Fax: +49 9131 85-34808

seon@uk-erlangen.de

Nanotoxicology –

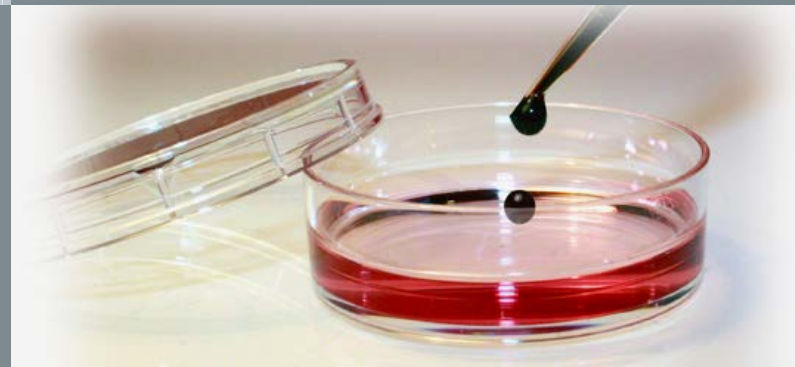
research for safe application of nanoparticles in biomedicine and assessment of environmental effects

Friday, 19th February 2016, 9.00 – 13.15

Rudolf-Wöhr-Hörsaal
Östliche Stadtmauerstr. 11
91054 Erlangen

Department of Otorhinolaryngology,
Head and Neck Surgery

Section of Experimental
Oncology and Nanomedicine (SEON)



**Universitätsklinikum
Erlangen**

Dear Ladies and Gentlemen,
dear colleagues,

Nanotechnology is considered one of the key technologies of the 21st century. The term “nano” is derived from the Greek language and means “dwarf”. Due to their extremely small sizes, nanoparticles have fundamentally different physico-chemical characteristics compared to the corresponding bulk materials. Nowadays, nanoparticles are processed in products of the daily use (e.g. in cosmetics, sunscreens, textiles, or packaging) and thus, the consumers come in increasingly frequent contact with them.

In medicine, nanoparticles have been successfully applied for the targeted transport of pharmaceutical agents and for imaging. The impact of nanoparticles on human health and environment is currently the topic of intensive research. This event, with leading scientists in the field of nanotoxicology, provides an overview of the state-of-the-art research and answers the most burning questions concerning the safety of novel nanotechnologies.

You are cordially invited to attend our conference and we look forward to welcoming you in Erlangen.

With kind regards,



Assistant Medical Director at the Department of Otorhinolaryngology, Head and Neck Surgery, EKFS Professorship, Head of SEON



Prof. Dr. med. Dr. h. c. Heinrich Iro
Medical Director of the Universitätsklinikum Erlangen and Head of the Department of Otorhinolaryngology, Head and Neck Surgery

Program

09.00 – 09.10

Welcome address and thematic introduction

Christoph Alexiou

09.10 – 09.20

Welcome address

Heinrich Iro

09.20 – 09.30

Welcome address

Otto Hünnerkopf

09.30 – 10.00

Nanomaterials for drug delivery: Opportunities, challenges and lessons learned

Scott McNeil

10.00 – 10.30

Interaction of carbon-based nanomaterials with the immune system

Bengt Fadeel

10.30 – 11.00

Nanomaterials at barriers: How physical-chemical properties of ENMs influence their translocation rate

Peter Wick

11.00 – 11.15

The DaNa2.0 project – certified knowledge concerning toxicology of engineered nanomaterials

Christoph Steinbach

11.15 – 11.45

Break

Coffee break

11.45 – 12.15

The European Nano-Characterization Laboratory EU-NCL

Klaus-Michael Weltring

12.15 – 12.45

Iron oxide nanoparticles: Medically and environmentally relevant applications and strategies for determination of biocompatibility

Christina Janko

12.45 – 13.15

Roundtable Discussion

Moderation: Christoph Alexiou

ca. 13.15

End of the presentations

Afterwards:

- Lunch in the lecture hall/foyer
- Poster viewing in the foyer
- Visit at the Section of Experimental Oncology and Nanomedicine (SEON), Glückstraße 10 a, 91054 Erlangen

Speakers

Prof. Dr. med. Christoph Alexiou

Assistant Medical Director at the Department of Otorhinolaryngology, Head and Neck Surgery, Else Kröner-Fresenius-Stiftung Professorship, Head of the Section of Experimental Oncology and Nanomedicine (SEON), Erlangen, Germany

Prof. Dr. Bengt Fadeel

Head of Nanomedicine & Nanosafety Laboratory (NNL), Division of Molecular Toxicology, Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden

Dr. Otto Hünnerkopf, MdL

Deputy of the Committee for the Environment and Consumer Protection at the Bavarian State Parliament, Munich, Germany

Prof. Dr. med. Dr. h. c. Heinrich Iro

Medical Director of the Universitätsklinikum and Head of the Department of Otorhinolaryngology, Head and Neck Surgery, Erlangen, Germany

Dr. Christina Janko

Head of the Nanotoxicology Unit at the Section of Experimental Oncology and Nanomedicine (SEON), Department of Otorhinolaryngology, Head and Neck Surgery, Erlangen, Germany

Dr. Scott McNeil

Director of the Nanotechnology Characterization Laboratory (NCL), Frederick National Laboratory for Cancer Research, Leidos Biomedical Research, Inc., Frederick, MD, USA

Dr. Christoph Steinbach

Representative of the DECHEMA, the Society of Chemical Engineering and Biotechnology, Frankfurt a. M., Germany

PD Dr. Klaus-Michael Weltring

Scientific Director of the Nano-Bioanalytic Center Münster, Germany

Dr. Peter Wick

Head of the Laboratory for Particles-Biology Interactions, EMPA, Swiss Federal Laboratories of Materials Science and Technology, St. Gallen, Switzerland