

General information

Organizer

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

Language

German/English
supported by simultaneous interpreter

Registration

We kindly ask you to register until
Friday, 29th September, 2017
by email (seon@uk-erlangen.de) or fax (+49 9131 85-34808)

Getting there

By train

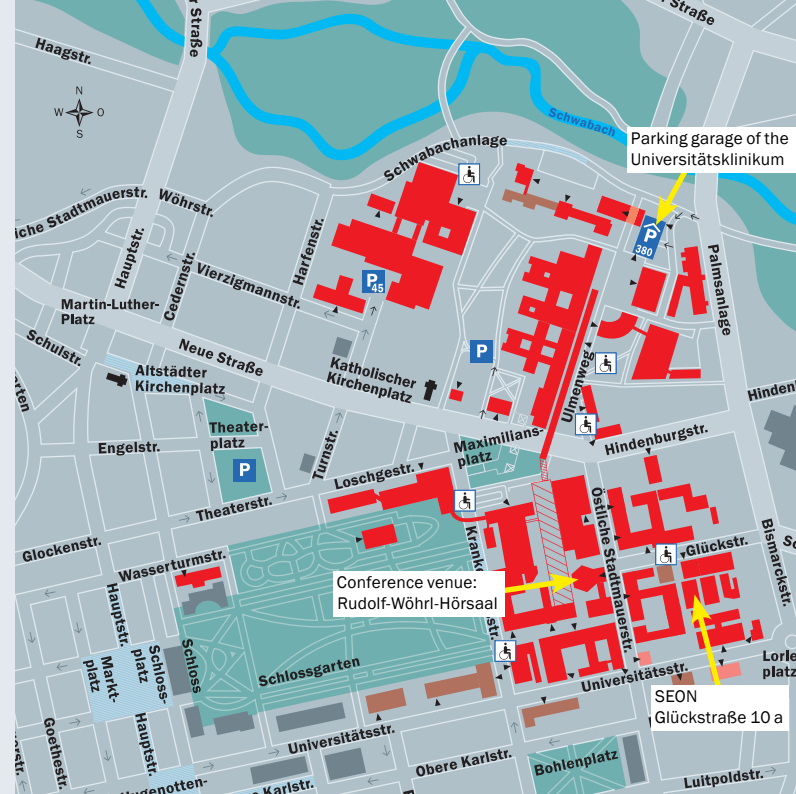
From Erlangen central station you can reach the conference venue in about 10 minutes: walk from Hugenottenplatz along Universitätsstraße, turn left into the Östliche Stadtmauerstraße.

Parking

Public parking areas: Theaterplatz, Großparkplatz Innenstadt (behind central station) and parking garage Universitätsklinikum at the Palmsanlage

Bank account for donations

Universitätsklinikum Erlangen
Stadt- und Kreissparkasse Erlangen
IBAN: DE69 7635 0000 0000 0620 00
BIC: BYLADEM1ERH
Reference: 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

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To improve legibility, references to persons are not gender-specific.

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Cardiovascular Diseases and Nanomedicine: Perspectives and Challenges

Friday, 13th October 2017, 9.00 – 15.00

Rudolf-Wöhrl-Hörsaal
Östliche Stadtmauerstr. 11
91054 Erlangen

Department of Otorhinolaryngology,
Head and Neck Surgery

Section of Experimental Oncology
and Nanomedicine (SEON)

Certified
with
4
points



**Universitätsklinikum
Erlangen**



Dear Ladies and Gentlemen, dear Colleagues,

cardiovascular diseases (CVD) are responsible for the majority of deaths worldwide. Nanotechnology, considered one of the key technologies of the 21st century, is expected to improve the management of CVD.

Due to their extremely small size, nanoparticles have fundamentally different physicochemical characteristics compared to the corresponding bulk materials. To date, nanoparticles have been successfully applied in oncology for the targeted transport of pharmaceutical agents and for imaging, but despite intensive research efforts in the field of cardiovascular nanomedicine, no specific nanoparticle-based system has yet been approved for diagnosis or therapy of CVD.

This event, with leading scientists in the field of cardiology and cardiovascular nanomedicine, will provide an overview of the state-of-the-art diagnostics and therapy in CVD, but also answer the most burning questions concerning the potential of novel nanomedical approaches in the management of cardiovascular diseases.

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

With kind regards,



Prof. Dr. med. Christoph Alexiou



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

Program

- 9.00 – 9.10 **Welcome address and thematic introduction**
Christoph Alexiou
- 9.10 – 9.20 **Welcome address**
Jürgen Schüttler
- 9.20 – 9.30 **Welcome address**
Heinrich Iro
- Session I: Current concepts of cardiovascular disease diagnosis and therapy**
- 9.30 – 10.00 **Current cardiovascular imaging**
Stephan Achenbach
- 10.00 – 10.30 **Focus on immune-mediated inflammation: cardiovascular biomarkers**
Harald Mangge
- 10.30 – 11.00 **Current interventional treatment of CVD**
Michael Joner
- 11.00 – 11.20 Coffee break**
- Session II: Nanomedical approaches to cardiovascular diagnostics and therapy**
- 11.20 – 11.50 **USPIO-based myocardial infarct imaging: challenges and promises**
Ali Yilmaz
- 11.50 – 12.20 **Nanomedicines for atherosclerosis**
Josbert M. Metselaar
- 12.20 – 12.50 **Targeting and imaging of thrombosis**
Didier Letourneur
- 12.50 – 13.15 **Cardiovascular nanomedicine: applications and prospects**
Iwona Cicha
- 13.15 – 13.45 **Round table discussion**
Moderation: Christoph Garlichs
- approx. 13.45 End of Symposium**
Following:
- Buffet reception in the auditorium
 - Poster exhibition in the foyer
 - Tour of the Section for Experimental Oncology and Nanomedicine (SEON)

Speakers

Prof. Dr. med. Stephan Achenbach

Head of the Department of Medicine 2, Uni-Klinikum Erlangen, Germany

Prof. Dr. med. Christoph Alexiou

Assistant Medical Director at the ENT-Department, Else Kröner-Fresenius-Stiftung Professorship, Head of SEON, Uni-Klinikum Erlangen, Germany

PD Dr. Iwona Cicha

ENT-Department, SEON, division leader: Cardiovascular Nanomedicine, Uni-Klinikum Erlangen, Germany

Prof. Dr. med. Christoph D. Garlichs

Head of the Clinic for Internal Medicine, DIAKO Hospital Flensburg, Associated scientific advisor at SEON, Flensburg and Erlangen, Germany

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

Medical Director of the Uni-Klinikum Erlangen and Head of the ENT-Department, Germany

PD Dr. med. Michael Joner

Department of Cardiology, German Heart Centre Munich, Germany

Dr. med. Didier Letourneur

Director of the Inserm U1148, Laboratory for Vascular Translational Science (LVTS), Paris, France

Prof. Dr. med. univ. Harald Mangge

Head of the Clinical Institute of Medical and Chemical Laboratory Diagnosis (CIMCL), Medical University of Graz, Austria

Dr. pharm. Josbert M. Metselaar

Department of Targeted Therapeutics, University of Twente, Enschede, Netherlands

Prof. Dr. med. Dr. h. c. Jürgen Schüttler

Dean of the Faculty of Medical and Head of the Department of Anaesthesiology, Uni-Klinikum Erlangen, Germany

Prof. Dr. med. Ali Yilmaz

Department of Cardiology and Angiology, Head of the Cardiovascular Imaging Unit, University Hospital Münster, Germany