EUROPÄISCHE AKADEMIE
zur Erforschung von Folgen wissenschaftlich-technischer Entwicklungen
Bad Neuenahr-Ahrweiler GmbH

CONTACT

REGISTRATION (until 16 April 2012)

There is no conference fee, however, please register in time:
conference(at)ea-aw.de

Europäische Akademie GmbH
Wilhelmstr. 56
53474 Bad Neuenahr-Ahrweiler
Telefon +49 (0) 2641 973-300
Telefax +49 (0) 2641 973-320
www.ea-aw.de

BURSARIES

A limited number of bursaries to cover travel and accomodation are available for junior scientists. Please apply before 29 March 2012, including an application letter and your CV, to:
PD Dr. med. Felix Thiele
Deputy Director of the Europäische Akademie GmbH
E-mail: conference(at)ea-aw.de

ORGANISATION

PD Dr. med. Felix Thiele
Dr. rer. nat. Jan Mehlich
Europäische Akademie GmbH, Bad Neuenahr-Ahrweiler (consortium partner of the EU-funded NanoDiaRA-project)

CONFERENCE VENUE

Berlin-Brandenburg Academy of Sciences and Humanities
Jägerstr. 22/23
10117 Berlin
Telefon +49 (0) 30 20370-0
Telefax +49 (0) 30 20370-600
www.bbaw.de

Please make your own hotel reservations (hotels near conference venue are, e.g., Hotel Angleterre, Mercure Checkpoint Charlie, Gendarm, NH Hotel Berlin Mitte or Arcotel John F. For a general overview: www.hrs.com).

HOW TO GET THERE

BY AIR:

Flughafen Tegel:
- JetExpressBus TXL -> Unter den Linden/Friedrichstraße
- Bus 128 -> U Kurt-Schumacher-Platz, change to U6 direction Alt Mariendorf -> U Französische Straße
- JetExpressBus X9 -> U Ernst-Reuter-Platz, change to U2 direction Pankow -> U Hausvogteiplatz

Flughafen Schönefeld:
- S9 -> S+U Alexanderplatz, change to U2 direction Ruhleben -> U Hausvogteiplatz
- Train RB 14 (direction Nauen -> S+U Friedrichstraße, change to U6 direction Alt Mariendorf -> U Französische Straße
- JetExpressBus X7 -> U Rudow, change to U7 direction Rathaus Spandau -> U Mehringdamm, change to U6 direction Alt-Tegel -> U Französische Straße

BY TRAIN:
- Berlin Hauptbahnhof -> S5, S7, S9, S75 to Friedrichstrasse -> U6 direction Alt Mariendorf -> Französische Strasse
- Berlin Zoologischer Garten: U2 direction Pankow -> U Hausvogteiplatz
- Berlin Ostbahnhof: S5, S7, S9, S75 to S+U Alexanderplatz, change to U2 direction Ruhleben -> U Hausvogteiplatz

BY CAR:

If you are coming by car, we recommend you use one of the nearby car parks: Friedrichstadt Passagen, Hotel Hilton or Unter den Linden/Staatsoper

Further information: http://veranstaltungszentrum.bbaw.de/en/directions

CONFERENCE

NANOMEDICINE
VISIONS, RISKS, POTENTIAL

19/20 April 2012
Berlin-Brandenburg Academy of Sciences and Humanities, Berlin

NanoDiaRA
Particles, Molecules & Cells · Diagnosis in-vitro & in-vivo · Rheumatoid Arthritis & Osteoarthritis

SEVENTH FRAMEWORK PROGRAMME

NANOMEDICINE

VISIONS, RISKS, POTENTIAL

Nanotechnology is frequently judged to be a key technology of the 21st century. Although not all research areas that were awarded this honorary title in the past have so far fulfilled all the expectations, thinking of nanotechnology as a highly important research area surely is justified. Especially in the field of medicine nanotechnology may help to develop new and effective applications. However, as with many modern technologies, there are considerable moral concerns about the consequences nanotechnology may have for humans and their environment.

The Spring Conference of the Europäische Akademie Bad Neuenahr-Ahrweiler GmbH aims at discussing recent trends in the development of nanotechnological methods in medical applications with experts from different involved fields of research from an interdisciplinary perspective. There will be sessions on scientific and technical aspects of nanomedicine, on risk and other ethical issues as well as on the social impact of nanomedicine in the context of science, industry and the public.

Poster Session

We are interested in contributions from scientists from all involved fields. Especially young scientists researching on technical, ethical, social or legal aspects of nanotechnology related to medicine are invited to take part with their "Visions on nanomedicine" (standard poster DIN A0 format). Evaluated by a jury (with the conference's speakers as its members), the best poster will be awarded a book voucher (150,- Euros).

Application: Applicants may send an abstract containing contact data (name, institution/company, address, email) and a short description of the project together with their conference registration (deadline poster submission: 29 March 2012).

The NanoDiaRA consortium

The interdisciplinary consortium "Development of Novel Nanotechnology Based Diagnostic Systems for Rheumatoid Arthritis and Osteoarthritis (NanoDiaRA)" is subsidized by the European Union (FP7) and consists of 15 European partners from university and non-university institutions. The Europäische Akademie GmbH, organiser of the spring conference, is its administrative coordinator (further information: www.nanodiara.eu).

THURSDAY, 19 APRIL 2012

9.00 Registration

9.30 **Welcome and Introduction**
(PD Dr. med. Felix Thiele, Europäische Akademie GmbH, Bad Neuenahr-Ahrweiler, Germany)

SESSION I: TRENDS IN NANOMEDICINE

(Chair: PD Dr. med. Felix Thiele, Europäische Akademie GmbH, Bad Neuenahr-Ahrweiler, Germany)

9.45 **Nanotechnology in diagnostics and treatment of rheumatoid arthritis and osteoarthritis – visions and potentials**
Dr. rer. nat. Timo Gaber-Elsner, Charité, Berlin, Germany

10.30 **Nanoparticles for drug delivery – from fiction to reality in pharma**
Professor Dr. rer. nat. Rainer Müller, Freie Universität Berlin, Germany

11.15 Break

11:30 **Thermotherapy with magnetic nanoparticles: from an idea to products up to the market launch**
Dr. rer. nat. Andreas Jordan, MagForce, Berlin, Germany

12.15 **Smart nanoparticles in the biomedical research**
Gianni Ciofani, Ph.D., Istituto Italiano di Tecnologia, Pisa, Italy

13.00 Lunch

SESSION II: RISK AND OTHER ETHICAL ISSUES

(Chair: Dr. rer. nat. Jan Mehlich, Europäische Akademie GmbH, Bad Neuenahr-Ahrweiler, Germany)

14.30 **Nanomedicine – nanotoxicology: controversial aspects of nanotechnological applications**
Professor Dr. rer. nat. Harald Krug, EMPA, St. Gallen, Switzerland

15.15 **From risks to regulation: Regulatory aspects of nanomedicine**
Joel D'Silva, Universiteit Twente, Enschede, The Netherlands

16.00 Break

16.15 **Nanomedicine is more than a matter of risk. The generic tendency to focus on public acceptance and risk perception**
Professor Harro van Lente, Ph.D., Universiteit Utrecht, The Netherlands

17.00 Poster Session

FRIDAY, 20 APRIL 2012

SESSION III: SCIENCE, INDUSTRY AND THE PUBLIC

(Chair: Dr. rer. nat. Stephan Lingner, Europäische Akademie GmbH, Bad Neuenahr-Ahrweiler, Germany)

9.30 **The (in)visible revolution?! Citizens' making sense of nanomedicine**
Professor Dr. phil. Ulrike Felt, Universität Wien, Austria

10.15 **Nanotechnology and society**
Dr. rer. pol. Joscha Wullweber, Universität Kassel, Germany

11.00 Break

11.15 **Nanomedicine: An exceptional regulatory and ethical challenge?**
Professor Roger Brownsword, King's College, London, UK

12.00 Lunch

13.00 End of conference