

Invitation

Nanotechnology is a powerful tool to optimize technical processes or to generate new materials with exciting functionalities. High expectations are connected to products of nanotechnology with regard to energy efficiency, new materials, electronics, solutions to decrease energy needs for information technologies or data storage. Following introduction of nanomaterials in new technologies, regulators, developers and the producers are confronted with a growing list of questions addressing the safety of nanomaterials for consumers and environment.

The participants are invited to give their input into the discussion on the long term safe use of nanoproducts with regard to work place, human health and environment. The complexity of the ongoing risk discussion is a challenge to demonstrate the ability of toxicological work in academia, industry and regulation. It is also a big chance to bring our expertise into society on our common way to find the right balance between chances of new technologies and level of acceptance of remaining risks.

Sincere regards,



Heidi Foth

Christa Hennes

President of GT
Chair of EUROTOX 2009

on behalf of:
ECETOC

Draft Program

April 22, 2010

Coffee 8:30 – 9:00

Exhibition

Session 1a

9:00 – 10:45

Perspective of regulation and ethical demands

- Chances and risks – balance by precaution
- Societal demands for safe nanotechnology
- Initiatives of the European Commission

Coffee 10:45 – 11:15

Session 1b

11:15 – 13:00

Products of nanotechnology in use and under development

- Energy technologies and chemical industry
- Construction, automotive and electronics industry
- Food, cosmetics and consumer products
- Medical applications, pharmaceuticals, diagnostic tools

Lunch 13:00 – 14:00

Session 2a

14:00 – 15:45

Exposure and uptake

- Exposure scenarios and exposure monitoring
- Dermal uptake and distribution
- Inhalation uptake and distribution
- Designed delivery systems
- Cellular uptake and distribution

Coffee 15:45 – 16:15

Poster viewing

Session 2b

16:15 – 18:00

Possible health hazards

- Cellular effects
- Lung toxicity
- Systemic effects
- Genotoxicity

April 23, 2010

Coffee 8:30 – 9:00

Exhibition

Session 3a

9:00 – 10:45

New functionalities of nanomaterials

- Mechanics
- Electronics
- Optics
- Photovoltaic

Coffee break

Poster viewing

Session 3b

11:15 – 13:00

Information requirements for safety assessment of nanomaterials

- Specific requirements for testing of nanomaterials
- Applicability and necessity to modify existing test methods (OECD)
- Applicability of existing testing strategies – or need for new testing strategies
- Dosimetry and deriving human exposure limits

Lunch 13:00 – 14:00

Poster viewing

Session 4a

14:00 – 15:45

Nanomaterials in the environment

- Environmental fate of nanomaterials
- Possible environmental hazards of nanomaterials in the aquatic environment
- Possible environmental hazards of nanomaterials in soil
- Testing strategies to assess environmental hazards of nanomaterials

Coffee break

Poster viewing

Session 4b

16:16 – 18:00

Wrapping up plenum or working group

- Panel discussion on research needs and action follow to questions raised

Farewell Dinner

and Continuation on April 24 by Special Workshops (optional)

Workshop Venue:

Maritim Hotel & International Congress Center,
Dresden, Ostrauer 2, D-01067 Dresden

Workshop Dates:

The workshop will start on April 22 around 8:30 am
and the plenary program will end on April 23 around
6 pm.

April 24 is free for special working group and follow
up discussion.

Workshop Office:

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Registration fee:

Member ^a 175 € (200 € on site)
Non member 250 €, (300 € on site)
Reduced fee ^b 100 €
^a GT, DGPT, EUROTOX, Competent Authorities,
Universities, Research Centers
^b Students, PhD Students, half paid positions

Registration

see <http://www.tox-online.de>

or contact

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Workshop language: English

Deadline for abstracts: April 1, 2010

Information on Hotel accommodation options will
be provided on request

Welcome to Dresden



Post Satellite to the
46th EUROTOX Meeting

Innovation through nanotechnology and nanomaterials

Current aspects of safety
assessment and regulation

April 22 – 24, 2010
International Congress Center
Dresden, Saxony, Germany



<http://www.tox-online.de>