

BfR Conference on Nanosilver

8 February 2012

9:30–9:45 a.m. Welcome address BfR

Professor Dr. Reiner Wittkowski,
Vice-President Federal Institute for Risk
Assessment (BfR)

9:45–10:00 a.m. Objective and context of the conference

PD Dr. Dr. Andreas Luch, BfR

I. Identity and Analytics of Nanosilver Materials

10:00–10:30 a.m. Physicochemistry of nanoscaled elemental silver and colloidal silver forms

Dr. Douglas Gilliland, Joint Research Centre (JRC) (IT)

10:30–11:00 a.m. Identity, grouping and characterisation of silver based biocidal active substances including nanosilver under BPD (98/8/EC)

Ulrike Frank, Swedish Chemicals Agency (KEMI)

11:00–11:30 a.m. coffee break

11:30–12:00 a.m. Analysis of silver nanoparticles in complex matrices

Dr. Stefan Weigel, RIKILT – Institute of food safety (NL)

Chair: Prof. Dr. Dr. Alfonso Lampen (BfR)

II. Human Exposure to Silver and Nanosilver

12:00–12:30 p.m. Consumer Exposure to silver (nanoparticles) in consumer products

Dr. Natalie von Götz, ETH Zurich (CH)

12:30–1:00 p.m. Nanosilver for Antimicrobial Functionalization of textiles: Release and Efficacy

Dr. Elisabeth Heine, DWI an der RWTH Aachen e.V.

1:00–2:00 p.m. lunch break

2:00–2:30 p.m. Abrasion induced nanoparticle release into air from surface coatings

PD Dr. Ing. Michael Stintz, TU Dresden

2:30–3:00 p.m. Food Safety and Nanotechnology: Results from LENA Project

Dr. Richard Winterhalter, Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)

Chair: PD Dr. Mario Götz (BfR)

3:00–3:30 p.m. coffee break

III. Toxicological Aspects

3:30–4:00 p.m. Toxicological Assessment of Nanomaterials: Challenges and Pitfalls

Dr. Helinor Johnston, Heriot-Watt University (UK)

4:00–4:30 p.m. An overview of available data for human health risk assessment of nanoscale silver

Dr. Susan Wijnhoven, National Institute for Public Health and the Environment (RIVM) (NL)

4:30–5:00 p.m. Discussion

End of first day

Chair: Dr. Frank Herzberg (BfR)

9 February 2012

9:00–9:15 a.m. Welcome

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III. Toxicological Aspects (continued)

9:15–9:45 a.m. Toxicokinetics and *in vivo* toxicity of nanosilver

Dr. Wim de Jong, National Institute for Public Health and the Environment (RIVM) (NL)

9:45–10:15 a.m. Evaluation of the toxicological effects of discrete sizes of nanoscale silver particles

Dr. Mary Boudreau, Food and Drug Administration (FDA) (US)

10:15–10:45 a.m. Generation of Reactive Oxygen Species by Nanosilver: Effects of Size and Coating

Dr. Saber Hussain, Air Force Research Laboratory (US)

Chair: Dr. Jochen vom Brocke (BfR)

10:45–11:15 p.m. coffee break

IV. Microbiological Aspects

11:15–11:30 a.m. Not all that Glitters is Silver: Introduction to Microbial Silver Resistance

Dr. Matthias Noll, BfR

11:30–12:00 p.m. Cellular and Ecotoxicological Analysis of Nanofunctionalised Textiles (Project TechnoTox)

Professor Dr. Dirk Höfer, Hohenstein Institut, Bönningheim

12:00–12:30 p.m. Silver as a putative health concern

Dr. Lotte Jakobsen, Statens Serum Institut, Copenhagen (DK)

12:30–13:00 p.m. Silver Particles in Wastewater Treatment Plants

Dr. Michael Burkhardt, Institut für Umwelt- und Verfahrenstechnik (UMTEC), Rapperswil (CH)

Chair: Prof. Dr. Bernd Schäfer (BfR)

1:00–2:00 p.m. lunch break

V. Concepts of Nanosilver Risk Assessment and Regulation**2:00–2:30 p.m. Assessment and Regulation of Nanomaterials under the European Biocides Regulation**

Isabel Günther, BfR

2:30–3:00 p.m. Austria's approach to nanosilver risk assessment and regulation

Dr. Aleksander Zilberszac, Austrian Federal Ministry of Health (AT)

3:00–3:30 p.m. coffee break

3:30–4:00 p.m. EPA's approach to nanosilver risk assessment and regulation

Dr. Jed Costanza, Environmental Protection Agency (EPA), United States

4:00–4:45 p.m. Discussion

Chair: Dr. Carsten Kneuer (BfR)

4:45–5:00 p.m. Closing Remarks

*Professor Dr. Reiner Wittkowski
Vice-President BfR*

Host/Organisation

Federal Institute for Risk Assessment (BfR)

Venue

Federal Institute for Risk Assessment (BfR)
Location: Marienfelde – Main Auditorium
Diedersdorfer Weg 1, 12277 Berlin

**Registration**

This event is open to the public and free of charge, however, registration is necessary.

Please register by 1 February 2012 using the Internet form under menu item "events" on <http://www.bfr.bund.de>

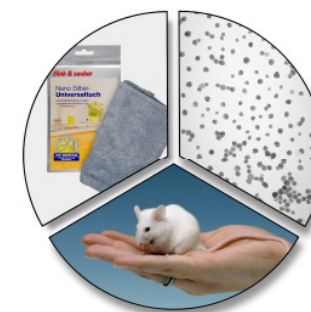
Or send us an e-mail with your name and address with reference to "NANOSILVER" to:

Federal Institute for Risk Assessment
Fax +49 30 18412-2984
E-Mail veranstaltungen@bfr.bund.de

Simultaneous translation English – German / German – English will be offered during the entire event.

FEDERAL INSTITUTE FOR RISK ASSESSMENT

BfR Conference
Nanosilver



8 and 9 February 2012