

**Thursday, 18 November 2021, morning session**

Presenter: Katja Nellissen

**I Opening**

09:00–09:10 am **Welcome**

*Professor Dr Tanja Schwerdtle,  
German Federal Institute for Risk Assessment (BfR)*

09:10–09:20 am **Welcome**

*Dr Helmut Tschiersky, Federal Ministry of Food and  
Agriculture (BMEL), Berlin, Germany*

09:20–09:30 am

**Introduction and objective of the conference**

*Professor Dr Dr Andreas Luch, BfR*

09:30–10:10 am

**Art at your own risk:**

**on tattoos and their removal by Christian Warlich**

*Dr Ole Wittmann, Institut für deutsche  
Tattoo-Geschichte e.V., Hamburg, Germany*

10:10–10:30 am *Coffee break*

**II Health Risks of Tattoos: Clinical Evidence**

Session Chair: Dr Peter Laux, BfR

10:30–10:55 am

**Tattoo pigments in skin and body –  
transportation processes boosted by laser light  
and UV radiation**

*Professor Dr Wolfgang Bäuml, University Hospital  
Regensburg, Germany*

10:55–11:20 am

**Complications of tattoos and permanent make-up:  
an overview**

*Dr Sebastiaan van der Bent, Alrijne Hospital, Leiden,  
The Netherlands*

11:20–11:45 am

**Tattoos and cancer: where are we in 2021?**

*Dr Nicolas Kluger, MD, Helsinki University Hospital,  
Finland*

11:45 am – 12:10 pm

**Laser and light tattoo removal:  
principles, risks and efficacy**

*PD Dr Maja A. Hofmann, Charité, Germany*

12:10–01:10 pm *Lunch break*

**2<sup>nd</sup> International Conference on Tattoo Safety**

The prevalence of the tattooed population in Europe rises continuously, and so does the diversity of used inks. The entry into force of the European harmonised restrictions of substances used in tattoo inks and permanent make-up (PMU) spreads a new light on consumer safety. While progress is made with regard to the identification of health risks associated with tattoos, many adverse conditions such as systemic sensitisation or toxicity of degradation products remain unresolved. The 2<sup>nd</sup> International Conference on Tattoo Safety in Berlin brings together experts in the fields of toxicology, legislation, and manufacturing.

The main objective of the conference is to set a frame in which the requirements for the toxicological evaluation of tattoo inks as well as their manufacturing quality shall be implemented. This shall be achieved by identification of information gaps in terms of toxicological evaluation and practical approaches for their compensation. The recent research insights will be evaluated from a toxicological perspective. Furthermore, progress made recently with respect to the regulation of tattoos and PMU under REACH will be discussed. The voice of the practitioners and manufacturers will be heard to understand the needs of the industry as well as the compliance challenges.

**Contact person:**

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Dr Peter Laux  
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**Venue:**

Berlin Museum of Natural History  
Invalidenstraße 43  
10115 Berlin, Germany

**Contact to local organiser:**

Registration: <https://www.bfr-akademie.de/english/2-bfr-tattoo-conference.html>  
BfR Academy  
Tel.: +49 (0)30 18412 22405  
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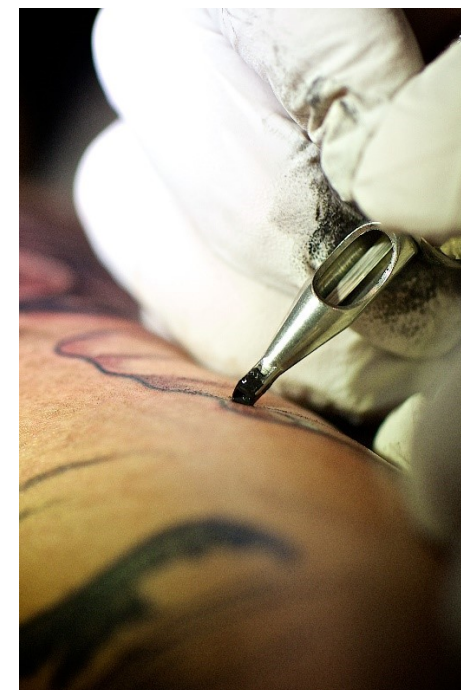
**Organiser:**

German Federal Institute for Risk Assessment (BfR)  
Max-Dohrn-Straße 8–10  
10589 Berlin Germany, [www.bfr.bund.de/en](http://www.bfr.bund.de/en)

GERMAN FEDERAL INSTITUTE FOR RISK ASSESSMENT

**2<sup>nd</sup> International Conference  
on Tattoo Safety**

18–19 November 2021, Berlin



Bundesinstitut für Risikobewertung

**Thursday, 18 November 2021, afternoon session**
**III Epidemiology and Risk Assessment**

Session Chair: Dr Michael Giubudagian, BfR

01:10–01:35 pm

**Statistical data on inks used in 2019: a historical benchmark**

Professor Dr Jorgen Serup, Bispebjerg Hospital, Copenhagen University, Denmark

01:35–02:00 pm

**The evolving topic of tattoos in cancer epidemiology and why studies should be prospective**

Dr Milena Förster, International Agency for Research on Cancer, Lyon, France

02:00–02:25 pm

**Allergens in tattoo inks**

Dr Steffen Schubert, Information Network of Departments of Dermatology, Göttingen, Germany

02:25–02:50 pm

**Gaining *in vitro* and human data on tattoo ink toxicology**

Dr Ines Schreiber, BfR

02:50–03:10 pm Coffee break

**IV Risk Assessment and Regulation of Tattoo Inks: Chances and Challenges**

Session Chair: Dr Agnes Schulte, BfR

03:10–03:35 pm

**United States FDA regulatory and analytical perspectives on tattoo inks**

Dr Linda Katz, MD, United States Food and Drug Administration (FDA), Maryland, USA

03:35–04:00 pm

**EU new regulation on substances in tattoo inks and permanent make-up**

Dr Ana Maria Blass Rico, European Commission, Brussels, Belgium

04:00–04:25 pm

**The REACH restriction on substances in tattoo inks or permanent make-up –**
**reflections from a consumer representative**  
 Dr Franz Fiala, Consumer Council, Vienna, Austria

04:25–04:50 pm

**Requirements for the risk assessment of tattoo inks: chances and challenges**

Dr Peter Laux, Dr Michael Giubudagian, BfR

**Friday, 19 November 2021**

Presenter: Katja Nellissen

 09:00–09:10 am **Summary of the first day**

Professor Dr Dr Andreas Luch, BfR

**V Analytics and Enforcement**

Session Chair: Dr Ines Schreiber, BfR

09:10–09:35 am

**Semi-quantitative analysis of organic pigments in tattoo inks with HPLC/DAD – work in progress**

Dr Urs Hauri, Kanton Basel-Stadt, Kantonales Laboratorium, Basel, Switzerland

09:35–10:00 am

**Analysis of tattoo inks in Germany: current status and future challenges**

Dr Birgit Gutsche, Chemical and Veterinary Investigation Office Karlsruhe, Germany

10:00–10:25 am

**Analytical methods and results on metallic contamination, including nanoparticles, in tattoo inks purchased in Italy**

Dr Beatrice Bocca, Beatrice Battistini, Italian National Institute of Health (ISS), Rome, Italy

10:25–10:50 am

**Preservatives in tattoo and PMU inks in the frame of REACH regulation: results of an Italian study**

Dr Marco Famele, Italian National Institute of Health (ISS), Rome, Italy

10:50–11:10 am Coffee break

11:10–11:35 am

**Industry meets authority – different perspectives, common goal**

Veit Houben, CTL® GmbH Chemical-technological laboratory, Bielefeld, Germany

11:35 am – 12:00 pm

**Raman spectroscopy in the measurement of tattoo inks – opportunities and challenges**

Dr Katarzyna Karpienko, Gdańsk University of Technology, Poland

12:00–12:25 pm

**Identifying tattoo pigments in human skin samples with adverse reactions based on  $\mu$ XRF and LDI-MS imaging and mass spectral library matching**

Dr Corinna Brungs, Carina Wolf, University of Münster, Germany

12:25–01:30 pm Lunch break

**VI Stakeholder Positions**

01:30–01:40 pm

**Regulatory approaches on PMU colours inside & outside the EU**

Dr Cornelia Hildebrandt, MT DERM GmbH, Berlin, Germany

01:40 am–01:50 pm

**Optimising consumer safety on all stages of the tattooing process**

Dr Olaf Seidel, edding TATTOO, Hamburg, Germany

01:50–02:00 pm

**tbc**

Sean Brown, General Manager, Eternal Ink, LLC, Michigan, USA

02:00–02:10 pm

**Tattoo colours: don't overcolour**

Dr Mark Benecke, Pro Tattoo e.V., Essen, Germany

02:10–02:20 pm

**REACH – tattoo industry shutdown 2022?**

Ralf Michel, Tattoo ink manufacturers of Europe, Neuburg am Rhein, Germany

02:20–02:30 pm

**Tattoo 2030**

Urban Slamal, Bundesverband Tattoo e.V., Düsseldorf, Germany

02:30–02:50 pm Coffee break

**VII Panel Discussion and Farewell**

02:50–04:00 pm