

**Idstein, June 15-18, 2014**  
**6th International Workshop "Per- and Polyfluorinated Alkyl Substances - PFASs"**

**Hochschule Fresenius, Idstein**

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**Sunday, June 15**

18:00      **Coming together**  
Hochschule Fresenius, Court yard with Barbeque, World Cup Soccer

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**Program Oral Presentations**  
**City Hall, Idstein**

**Monday, June 16**

09:00      Registration

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09:30      **Welcome**  
Thomas P. Knepper  
Hochschule Fresenius, Idstein, Germany

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**Session 1: Analysis and Modeling**

09:50      1      **Keynote**  
Jennifer A. Field, Lisa Alvarez-Cohen, and David Sedlak  
College of Agricultural Sciences, Environmental & Molecular Toxicology, Oregon State University, US  
*PFAS from Aqueous Film Forming Foams at US Military Sites*

10:30      2      Urs Berger  
Department of Applied Environmental Science (ITM), Stockholm University, Stockholm, Sweden  
*What temporal trend analyses of PFASs tell us about their environmental fate – A Swedish case study*

10:50      **Coffee/tea break and posters**

11:20      3      Pim de Voogt 1, Christian Eschauzier 2, Gabriel Vivo 3, Marcel Kotte 4  
1 IBED University of Amsterdam, The Netherlands  
2 Eschauzier Water Management, Amsterdam, The Netherlands  
3 HIMS-Analytical Sciences, University of Amsterdam, The Netherlands  
4 Rijkswaterstaat, Ministry of Infrastructure and Environment, Lelystad, The Netherlands  
*Perfluoroalkyl acids in Dutch surface waters: results of 5 years of monitoring*

11:40      4      Zhanyun Wang 1, Ian T. Cousins 2, Martin Scheringer 1, Robert C. Buck 3, Konrad Hungerbühler 1  
1 Institute for Chemical and Bioengineering, ETH Zurich, Zürich, Switzerland  
2 Department of Applied Environmental Science (ITM), Stockholm University, Stockholm, Sweden  
3 E.I. du Pont de Nemours & Co. Inc., DuPont Chemicals and Fluoroproducts, Wilmington, DE, USA

*Are we done with the research on sources of C4–C14 perfluoroalkyl carboxylic acids (PFCAs)?  
Lessons learned from recent identification of overlooked sources*

12:00 5 Christoph Gremmel, Tobias Frömel, Thomas P. Knepper  
Hochschule Fresenius, Idstein, Germany  
*Method development for monitoring fate and transformation of PFASs in wastewater treatment plants*

12:20 **Lunch and posters**

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13:30 6 Ian T. Cousins 1, Zhanyun Wang 2, Martin Scheringer 2, Konrad Hungerbühler 2

1 Department of Applied Environmental Science (ITM), Stockholm University, Stockholm, Sweden  
2 Institute for Chemical and Bioengineering, ETH Zurich, Zurich, Switzerland

*An overview of the available data for performing risk assessments of fluorinated alternatives to long-chain perfluoroalkyl acids (PFAAs) and their precursors*

13:50 7 Carla A. Ng and Konrad Hungerbühler

Institute for Chemical and Bioengineering, ETH Zurich, Zurich Switzerland

*New Directions in Modeling the Bioaccumulation of PFASs*

14:10 8 Xenia Trier

Technical University of Denmark, Søborg, Denmark

*Qualitative and quantitative analysis of PFAS in food paper packaging and in human plasma by LC-QTOF MS, on-line SPE and <sup>19</sup>F NMR*

14:30 9 Ian Ken Dimzon 1,2, Rick Helmus 2, Thomas P. Knepper 1 and Pim de Voogt 2

1 Hochschule Fresenius, Institute for Analytical Research, Idstein, Germany  
2 University of Amsterdam, Institute of Biodiversity and Ecosystem Dynamics, Amsterdam, The Netherlands

*Characterization of Perfluorinated Polyether (PFPE) based Formulations*

14:50 10 Ning Wang, Robert C. Buck

E. I. DuPont de Nemours and Company, Inc., Wilmington, Delaware, USA

*The fate of short-chain fluorotelomer-based substances in the environment.*

15:10 **Coffee/tea break and posters**

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## Session 2: Epidemiology and Toxicity

- 15:40 1 **Keynote**  
Christopher Lau  
Toxicity Assessment Division, National Health and Environmental Effects Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, North Carolina, USA  
*A review of laboratory toxicological findings and epidemiological health effect surveys of perfluoroalkyl substances*
- 16:40 **End of sessions**
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- 17:15 **Guided City Tour Idstein**
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- from 18:00 **World Cup Soccer at the Hochschule Fresenius**
- 18:45 **Conference Dinner**  
at the Hochschule Fresenius
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**Tuesday, June 17**

## Session 3: New products and risk mitigation

- 09:30 1 **Keynote**  
Robert Buck  
E.I. DuPont de Nemours & Co. Inc., Wilmington, DE, USA  
*Alternative perfluoroalkyl substances. Synthesis, structure and properties*
- 10:10 2 Wolfgang Podestà  
Lanxess Distribution GmbH, Leverkusen, Germany  
*Elimination of PFASs from effluents of galvanic plants*
- 10:30 3 H. Ulrich, S. Melzer, M. Gierig  
Bavarian Environment Agency, Wielenbach, Germany  
*Removal of perfluoroalkyl acids (PFAAs) from groundwater by sorption onto granular activated carbons, ion-exchange resins and synthetic activated carbons*
- 10:50 **Coffee/tea break and posters**
- 11:20 4 Reiner Friedrich  
Merck KGaA, Darmstadt, Germany  
*Short-chain succinic and aconitic fluorosurfactants and their effect on the dynamic and static surface tensions*
- 11:40 5 J. El Maiss 1, T. Darmanin 1, E. Taffin de Givenchy 1, J. Eastoe 2, M. Sagisaka 3, F. Guittard 1  
  
1 Univ. Nice Sophia Antipolis, CNRS, Nice, France  
2 School of Chemistry, University of Bristol, Cantock's Close, Bristol, United Kingdom  
3 Department of Frontier Materials Chemistry, Graduate School of Science and Technology, Hirosaki University, Hirosaki, Aomori, Japan  
*Elaboration of Superhydrophobic surfaces with low fluorine contents*

12:00 **Lunch and posters**

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**Session 4: Exposure to Humans and Human Biomonitoring**

**Keynote**

13:10 1 Jürgen Hölzer  
Ruhr-University Bochum, Hygiene, Social and Environmental Medicine, Bochum, Germany  
*Human biomonitoring studies on PFAS*

13:50 2 Wouter A. Gebbink, Urs Berger, Ian T. Cousins  
Department of Applied Environmental Science (ITM), Stockholm University, Stockholm, Sweden  
*Estimating human exposure to PFOS isomers and PFCA homologues: the relative importance of direct and precursor exposure*

14:10 **Coffee/tea break and posters**

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**Session 5: From Analysis to Regulation**

**Keynote**

14:40 1 Christoph Schulte  
Federal environment agency (UBA), Dessau-Roßlau, Germany  
*Per- and polyfluoralkyl substances – global risks need global management*

15:20 2 Jorge Numata 1, Janine Kowalczyk 1, Henning Siemen 2, Julian Adolphs 3, Susan Ehlers 4, Peter Fuerst 4, Christine Müller-Graf 1, Helmut Schafft 1, Matthias Greiner 1,5, Monika Lahrssen-Wiederholt 1  
1 BfR - Federal Institute for Risk Assessment, Berlin, Germany  
2 Otto-von-Guericke University of Magdeburg, Magdeburg, Germany  
3 Institute for Theoretical Physics, Johannes Kepler University Linz, Linz, Austria  
4 Chemical and Veterinary Analytical Institute Münsterland-Emscher-Lippe, Germany  
5 TiHo - University of Veterinary Medicine Hannover, Hanover, Germany  
*Computer Tools for Food Safety Using the Example of PFAAs in Pork Products*

15:40 3 Margaret H. Whittaker  
ToxServices LLC, Washington, USA  
*Computational Toxicology and Data Integration II—Enhancing Our Ability to Screen Hazards and Risks*

16:10 **Discussion**

17:00 **End of sessions**

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17:15 **Guided City Tour Idstein**

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19:00 **Get together**