

Program Oral Presentations - Symposium "Fluoros 23"			Topics
Cityv Hall Idstein			
<b>Thursday 31.8.2023</b>		<b>Room No. 1 &amp; Empore</b>	
08:00-09:00		<b>Registration City Hall, poster set-up</b>	
09:00-09:25	<b>Welcome</b>	<b>Ian Cousins, Thomas P. Knepper, Valentina Bertato</b>	
09:25-10:15	<b>Plenary</b>	<b>Opening Keynote: Scott Mabury, University of Toronto, Canada</b>	PFAS Today... what has been done and what still needs to be done?
<b>Session 1: Analytical Tools</b>		<b>Chair: Dorte Herzke / Co-Chair Mohammad Sadia</b>	
10:15-10:45	<b>Keynote 1</b>	<b>Anna Kärrman, Örebro University, Sweden</b>	The PFAS analytical toolbox - challenges and possibilities
10:45-11:05	O 1_1	Frank T. Lange, DVGW-Technologiezentrum Wasser, Karlsruhe, Germany	Analysis of leachable, extractable, and non-extractable PFAS in contaminated soils - how to measure "total PFAS"?
11:05-11:25	O 1_2	Jonathan Zweigle, Eberhard Karls University Tübingen, Germany	Highly PFAS-contaminated soil site in Germany: non-target screening via fragment mass differences and Kendrick mass defect analysis
11:25-11:50	<b>Coffee break / exhibition &amp; posters</b>		
11:50-12:10	O 1_3	Jeremy R. Gauthier, University of Toronto, Canada	Using 19F NMR to identify and quantify unknown PFAS in environmental samples, an unbiased and non-targeted approach for the measurement of total fluorine
12:10-12:30	O 1_4	David Patch, Royal Military College of Canada, Kingston, ON, Canada	Shining a light on hidden PFAS - Investigation of thermal and UV-activated TOP assays for improved characterization of PFAS precursors
12:30-13:30	<b>Lunch / exhibition &amp; posters</b>		
13:30-13:50	O 1_5	Raquel Gonzalez de Vega, University of Graz, Austria	Multi-platform approach for the comprehensive analysis of PFASs and F mass balance in commercial ski wax products
13:50-14:10	O 1_6	Cora Young, York University, Toronto, Ontario, Canada	High time resolution measurements of atmospheric PFAS: tuning selectivity for speciated measurements and total gaseous fluorine
14:10-14:30	O 1_7	Ana R. L. Araujo, Vrije Universiteit, Amsterdam, The Netherlands	PFAS in wastewater treatment plants influents: target and non-target screening in the Netherlands
<b>Session 2: Exposure Science</b>		<b>Chair: Ian Cousins / Co-Chair Lara Cioni</b>	
14:30-15:00	<b>Keynote 2</b>	<b>Carrie A. McDonough, Carnegie Mellon University, Pittsburgh, USA</b>	<b>Tackling the complexity of PFASs: from external exposure to internal dose</b>
15:00-15:20	O 2_1	Heidi Pickard, Harvard University, Boston, Ma, USA	Characterizing the contribution of PFAS from an AFFF contaminated site to downstream biota in coastal watersheds
15:20-15:40	O 2_2	Satoshi Endo, National Institute for Environmental Studies, Tsukuba, Ibaraki, Japan	Intermolecular interaction and equilibrium partition properties of neutral PFAS
15:40-16:00	O 2_3	Dorte Herzke, Nilu, Norwegian Institute for Air Research, Tromsø, Norway	TFA and other PFAS in rainwater from the Norwegian Arctic and mainland
16:00-16:40	<b>Coffee break / exhibition &amp; posters</b>		
16:40-17:00	O 2_4	Jorge Numata, German Federal Institute for Risk Assessment (BfR), Berlin, Germany	ConTrans: PFAS Transfer Toxicokinetics Prediction in Food-Producing Animals in Intensive and Extensive Farming Systems
17:00-17:20	O 2_5	Racchana Ramamurthy, McGill University, Montreal, Quebec, Canada	Detection of PFASs and other additives in North American outdoor gears
17:20-17:40	O 2_6	Trevor VandenBoer, York University, Toronto, ON, Canada	Measurements of atmospheric PFAS in remote and source regions using new off-grid sampling approaches
<b>18:15 - 22:30</b>	<b>Conference Dinner including Guided City Tour Idstein &amp; Surprise (approx. 1 hour) 19:30 Dinner at City Hall</b>		<b>Separate registration needed; limited to 150 Persons</b>
<b>Friday, 01.09.2023</b>		<b>Room No. 1 &amp; Empore</b>	
<b>Session 3: Epidemiology and Toxicity</b>		<b>Chair: Pim Leonards / Co-Chair Faezeh Sadrabadihaghighi</b>	
08:30-09:00	<b>Keynote 3</b>	<b>Kristina Jakobsson, University of Gothenburg, Sweden</b>	<b>Research, risk evaluation and risk communication. Experience from a PFAS hot spot in Sweden</b>
09:00-09:20	O 3_1	Mattias Öberg, Institute of Environmental Medicine Karolinska Institutet, Sweden	Captured Science - an inconvenient history of knowledge about PFAS
09:20-09:40	O 3_2	Roger A. Klein, Cambridge, UK, and John Jay College of Criminal Justice, CUNY, New York, USA	Blood and plasma donation for reducing circulating blood PFAS levels a randomised clinical trial involving Australian Firefighters
09:40-10:00	<b>Coffee break / exhibition &amp; posters</b>		
10:00-10:20	O 3_3	Lackson Kashobwe, Vrije Universiteit, Amsterdam, The Netherlands	Investigating the impact of PFAS on lipid metabolism: insights from an In vitro human hepatocyte model
10:20-10:40	O 3_4	Jamie C. DeWitt, East Carolina University, Greenville, North Carolina, USA	Immunotoxicity of understudied PFAS found in surface waters of the Cape Fear River of North Carolina, USA
10:40-11:00	O 3_5	Axel G Andersson, University of Gothenburg, Gothenburg, Sweden	High exposure to perfluoroalkyl substances and antibody and T-cell responses to SARS-CoV-2 mRNA vaccine - an observational study in adults from Ronneby, Sweden

		<b>Parallel session (optional): Clubroom (max. 60 persons)</b>	
10:00-11:00		<b>Chair: Jon Benskin/ Stephan Wagner/Thorsten Reemtsma/Thomas P. Knepper</b>	Podium discussion on ANALYTICAL CHALLENGES: new advances in sample preparation, chromatography, mass spectrometric techniques and fluorine sum parameters; Exhibiting companies and sponsors / name & topics (5 min each)
<b>11:00-11:20</b>		<b>Coffee break / exhibition &amp; posters</b>	
<b>Room No. 1 &amp; Empore</b>			
<b>Session 4: Solutions</b>		<b>Chair: Lutz Ahrens / Co-Chair Michel Hubert</b>	
11:20-11:50	<b>Keynote 4</b>	<b>Chris Higgins, School of Mines, Colorado, USA</b>	<b>Treating for legacy PFAS: An overview of existing and promising technologies for remediating contaminated water &amp; soil</b>
11:50-12:10	O 4_1	Bridger J. Ruyle, Harvard University, Boston, Massachusetts, USA	Microbially limited biotransformation of precursors sustains centennial persistence of PFAS at AFFF-contaminated sites
12:10-12:30	O 4_2	Detlef Knappe, North Carolina State University, USA	Granular activated carbon adsorption and anion exchange: Scale-up of rapid small-scale column test data and drivers for sorbent use rates
12:30-12:50	O 4_3	Christopher M. Sales, Drexel University, Philadelphia, USA	Treatment of PFAS-laden solids via gliding arc plasma in air, nitrogen and argon
<b>12:50-13:50</b>		<b>Lunch / exhibition &amp; posters</b>	
13:50-14:10	O 4_4	Juliane Glüge, ETH Zürich, Switzerland	Alternatives to fluorinated gases as refrigerants
<b>Session 5: Regulation/ Policy</b>		<b>Chair: Christoph Schulte / Co-Chair Rachel London</b>	
14:10-14:30	<b>Keynote 5</b>	<b>Xenia Trier, University of Copenhagen, Denmark</b>	<b>PFAS analysis fit for regulation - on the art of living with uncertainty</b>
14:30-14:50		<b>Zhanyun Wang, EMPA Dübendorf, Switzerland</b>	<b>Understanding the universe of PFASs - implications for regulations</b>
14:50-15:10	O 5_1	Jona Schulze, German Environment Agency, Dessau, Germany	EU wide restriction proposal on PFAS
15:10-15:30	O 5_2	Greg Hammond, Environment and Climate Change Canada, Canada	Draft State of PFAS Report: findings and proposed conclusion
15:30-15:50	O 5_3	Elvira Rudin, ETH Zürich, Switzerland	Unveiling PFASs of industrial relevance: assessing data submitted under REACH for informed decision-making
<b>15:50-16:10</b>		<b>Coffee break / exhibition &amp; posters</b>	
16:10-16:30		<b>Ceremony of Awardees for outstanding presentations</b>	<b>Best Posters (1st, 2nd, 3rd), sponsored by Gesellschaft Deutscher Chemiker (GDCh - Fachgruppe Wasserchemie)</b> <b>Best Posters (4th, 5th, 6th), sponsored Springer</b> <b>Best Lecture, sponsored by ES&amp;T Letters</b>
<b>Session 6: Alternatives to PFAS?</b>		<b>Chair: Annemarie van Wezel</b>	
16:30-17:30		<b>Panel Discussion</b>	Working title: EU-Regulation; REACH 2023 ff; recycling
<b>17:30</b>		<b>End of sessions</b>	