

Symposium "Fluoros 23", City Hall Idstein: Abstracts Poster			
No.	Authors	Title	Affiliation
<b>Session 1: Analytical Tools</b>			
PO 1_1	Sachi Taniyasu <sup>1</sup> , Heesoo Eun <sup>2</sup> , Eriko Yamazaki <sup>3</sup> , Nobuyasu Hanari <sup>3</sup> , Itsuki Yamamoto <sup>4</sup> , Nobuyoshi Yamashita <sup>1</sup>	Development of a GC-Orbitrap-HRMS Method for the Analysis of Volatile PFAS in Ambient Air Samples	1 National Institute of Advanced Industrial Science and Technology, Japan 2 National Agriculture and Food Research Organization, Japan 3 National Metrology Institute of Japan, National Institute of Advanced Industrial Science and Technology 4 Thermo Fisher Scientific K.K.
PO 1_2	Thomas Gersthagen, Suman Kharel, Sebastian Wierer	Extraction and Matrix Clean-up of Legacy and Emerging PFAS in Different Matrices	LCTech GmbH, Obertaufkirchen, Germany
PO 1_3	Ana R. L. Araujo <sup>1,2</sup> , Anton Pavlov <sup>2</sup> , Timo Hamers <sup>1</sup> , Marja Lamoree <sup>1</sup> , Sicco Brandsma <sup>1</sup> , Jon Eigil Johansen <sup>2</sup> , Huiling Liu <sup>2</sup>	Synthetic strategy of linear isomers for native and deuterium-labelled perfluorooctane sulfonamido derivatives	1 Vrije Universiteit, Amsterdam, The Netherlands 2 Chiron AS, Trondheim, Norway
PO 1_4	Aßhoff, Norina <sup>1,2</sup> , Bernsmann, Thorsten <sup>1</sup> , Esselen, Melanie <sup>2</sup> , Stahl, Thorsten <sup>1</sup>	Development of a sensitive method for the determination of PFAS in food and food contact material	1 Chemical and Veterinary Analytical Institute Münsterland-Emscher-Lippe, Münster, Germany 2 Institute of Food Chemistry, Westfälische Wilhelms-Universität Münster, Germany
PO 1_5	Mélanie Z. Lauria <sup>1</sup> , Faiz Haque <sup>1</sup> , Cecilia Persson <sup>2</sup> , Thanh Wang <sup>3</sup> , Malene Simon <sup>4</sup> , Anna Roos <sup>5</sup> , Merle Plassmann <sup>1</sup> , Jonathan P. Benskin <sup>1</sup>	Narrowing Down the Identity of Extractable Organofluorine in Blubber	1 Department of Environmental Science, Stockholm University, Sweden 2 Swedish NMR Centre, University of Gothenburg, Sweden 3 Man-Technology-Environment Research Centre, Örebro University, Sweden 4 Greenland Climate Research Centre, Greenland Institute of Natural Resources, Sweden 5 Department of Environmental Research and Monitoring, Swedish Museum of Natural History
PO 1_6	Wenjiao Li <sup>1</sup> , Shuhei TANAKA <sup>1</sup>	Extraction efficiency of different solvents for PFASs using real contaminated core soils in Japan: Towards guideline establishment for PFASs quantification of soil	1 Graduate School of Global Environmental Studies, Kyoto University, Japan
PO 1_7	Luisa Hantschke, Max Steuernagel, Tanja Westphalen, Stephanie Kluge, Katja Kaminski, and Christian Piechotta	Comparison of three different total oxidizable precursor (TOP) assay approaches for the determination of PFAS concentration in soil	Bundesanstalt für Materialforschung und -prüfung, Abteilung 1, Berlin, Germany
PO 1_8	David Liwara <sup>1,2</sup> , Anton Pavlov <sup>2</sup> , Huiling Liu <sup>2</sup> , Jon Eigil Johansen <sup>2</sup> , Pim Leonards <sup>1</sup> , Sicco Brandsma <sup>1</sup> and Jacob de Boer <sup>1</sup>	Synthesis of Suspected PFAS from AFFFs as Analytical Standards	1 Amsterdam Institute for Life and Environment (A-LIFE), Vrije Universiteit, Amsterdam, The Netherlands 2 Chiron AS, Trondheim, Norway
PO 1_9	Kavitha Dasu, Cameron Orth and Larry Mullins	Application of High-Resolution Mass Spectral Methods for PFAS Suspect Screening and Non-Targeted Analyses	Battelle Memorial Institute, Columbus, Ohio, USA
PO 1_10	Lisa Skedung <sup>1</sup> , Eleni Savvidou <sup>2</sup> , Steffen Schellenberger <sup>1</sup> , Anders Reimann <sup>1</sup> , Ian Cousins <sup>2</sup> , Jonathan P. Benskin <sup>2</sup>	Screening and identification of polymeric PFAS in consumer products	1 RISE Research Institutes of Sweden, Stockholm, Sweden 2 Stockholm University, Department of Environmental Science, Sweden
PO 1_11	Andrea Kiehne <sup>1</sup> , Silke Bodendiek <sup>1</sup> , Sofie Weinkouff <sup>1</sup> , Mingxun Wang <sup>2</sup> , Heiko Neuwegeter <sup>1</sup> , Nikolas Kessler <sup>1</sup> , Noud van der Borg <sup>1</sup>	Interactive Design and Application of MassQL Queries for Filtering and Annotating 1000s of PFAS in Complex Matrices	1 Bruker Daltonics GmbH & Co. KG, Bremen, Germany 2 Department of Computer Science and Engineering, University of California Riverside, CA, USA
PO 1_12	Pontus Larsson, Anna Kärrman, Leo Yeung	Fluorine mass balance analysis – characterization of fluorine-containing compounds in wastewater	Man-Technology-Environment Research Centre (MTM), Örebro University, Sweden
PO 1_13	Marinella Bertolotti <sup>1</sup> , Fabio Giacchero <sup>1</sup> , Roberta Libener <sup>1</sup> , Tatiana Bolgeo <sup>1</sup> , Marta Betti <sup>1</sup> , Masho Belay <sup>2</sup> , Elisa Robotti <sup>2</sup> , George Voyiatzis <sup>3</sup> , Zoi Lada <sup>3</sup> , Meghna Khadka <sup>4</sup> , Anat Milo <sup>4</sup> , Hadar Ben-Yoav <sup>4</sup> , Sara Valsecchi <sup>5</sup> , Emilio Marengo <sup>2</sup> , Antonio Maconi <sup>1</sup> , Francesco Dondero <sup>2</sup>	Validation of detection method for perfluoroalkyl substances (PFAS) in biological samples: pilot studies on local residents in the Alessandria province, Italy	1 Department of Integrated Activities Research and Innovation, Alessandria Hospital, Italy 2 DISIT. Università del Piemonte Orientale Amedeo Avogadro, Italy 3 Foundation for Research and Technology – Hellas, Greece 4 Ben Gurion University, Ben-Gurion University of the Negev, Israel 5 IRSA-CNR, Istituto di Ricerca Sulle Acque, Consiglio Nazionale delle Ricerche, Brugherio, Italy
PO 1_14	Jessica Clouthier, Trevor VandenBoer, Cora Young	Novel direct inject method analysis of ultra-short chain PFASs using ion chromatography mass spectrometry	York University, Department of Chemistry, Toronto, Ontario, Canada
PO 1_15	Faezeh Pazoki, Caitlin Glover, Jinxia Liu	Development and Evaluation of UV-activated Total Oxidizable Precursor (UV-TOP) Assay in Soil	McGill University, Department of Civil Engineering, Montreal, QC, Canada

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PO 1_16	<u>Ninon Serre</u> <sup>1,2</sup> , Randolph Singh <sup>1</sup> , Catherine Munsch <sup>1</sup> , Aurore Zalouk-Vergnoux <sup>2</sup> , Yann Aminot <sup>1</sup>	Non-targeted screening for the identification of unknown PFAS precursors in mussels from the French coast	1 Ifremer, CCEM Contamination Chimique des Écosystèmes Marins, Nantes, France 2 Nantes Université, Institut des Substances et Organismes de la Mer, ISOMer, Nantes, France
PO 1_17	<u>Sofia Francois</u> , Anna Kärrman, Leo W.Y. Yeung	Determination of PFASs in landfill leachate using solid-phase extraction with three different sorbent materials	Man-Technology-Environment (MTM) Research Centre, School of Science and Technology, Örebro University, Sweden
PO 1_18	<u>Kristin von Czapiewski</u> <sup>1</sup> , Gitte Barknowitz <sup>1</sup> , Craig M. Butt <sup>1</sup> , Holly Lee <sup>1</sup> , Mikyanny Reyes <sup>1</sup> , Amy Rand <sup>2</sup>	PFAS Analysis in Cosmetics Using High Resolution Accurate Mass Spectrometry	1 SCIEX, Darmstadt, Germany 2 Department of Chemistry, Carleton University, Ottawa, Canada
PO 1_19	<u>Boris Bugsel</u> , Mei-Louise Schneider, Jonathan Zweigle, Christian Zwiener	Microbial Transformation of the Aqueous Film-Forming Form (AFF) Component Capstone A: Non-Target Screening with a Novel PFAS Prioritization Technique (MD/C-m/C Approach)	Environmental Analytical Chemistry, Department of Geosciences, Universität Tübingen, Tübingen, Germany
PO 1_20	<u>Derek J. Mattern</u> <sup>1</sup> , Philippe Boniteau <sup>2</sup> , Luca Piatti <sup>3</sup> and Claudia Fink <sup>1</sup>	Critical Insights in the detection of PFAS in our environment: A deeper look into the analysis of water samples	1 PerkinElmer Germany 2 PerkinElmer France 3 PerkinElmer Italy
PO 1_21	<u>Rainer Lohmann</u> , Jitka Becanova, Matt Dunn, Jarod Snook, Melissa Woodward	Accumulation of PFAS in passive samplers and fish	University of Rhode Island, USA
PO 1_22	<u>Arnd Ingendoh</u> , Carsten Baessmann, Andrea Kiehne, Eva-Maria Niehaus, Ilona Nordhorn	Solving the PFAS Challenge: Comprehensive Screening of Environmental Samples against 1000s of Compounds in a Single Run	Bruker Daltonik GmbH & Co KG, Bremen, Germany
PO 1_23	<u>Joerg Feldmann</u> , Viktoria Mueller, Raquel Gonzalez de Vega, Elenora Matic, Andrea Raab, David Clases	Use of ICP-MS to help for NTS, F-imaging and F-microplastic	TESLA-Analytical Chemistry, University of Graz, Austria
PO 1_24	<u>Heesoo Eun</u> <sup>1</sup> , Sachi Taniyasu <sup>2</sup> , Yoshinori Yabuki <sup>3</sup> , Junko Ono <sup>3</sup> , Arisa Banno <sup>3</sup> , Toshiaki Iwata <sup>4</sup> , Etsuko Suzuki <sup>4</sup> , Wataru Jodai <sup>5</sup> , Masahiko Takino <sup>5</sup> , Nami Iwasa <sup>6</sup> , Kota Ishioka <sup>6</sup>	Method for determination of PFASs in soil	1 Research Center for Advanced Analysis, National Agriculture and Food Research, Organization (NARO), Japan 2 Environmental Management Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Japan 3 Research Institute of Environment, Agriculture and Fisheries, Osaka, Japan 4 Nihon Waters K.K., Tokyo, Japan 5 Agilent Technologies Japan, Ltd., Tokyo, Japan 6 SHIMADZU CORPORATION, Kyoto, Japan
PO 1_25	<u>Theresa Steuer</u>	Fluorine analysis with combustion ion chromatography: A versatile technique to measure adsorbable organic fluorine (AOF), extractable organic fluorine (EOF), and total organic fluorine	Metrohm AG, Switzerland
PO 1_26	<u>Philipp Wittwer</u> , Michael Fabian Simon, Lennart Gehrenkemper, Björn Meermann	An improved method for the determination of PFASs using HR-CS-GFMAS via GaF detection	Bundesanstalt für Materialforschung und -prüfung, Division 1.1 Inorganic Trace Analysis, Berlin, Germany
PO 1_27	<u>David Liwara</u> <sup>1,2</sup> , Pim Leonards <sup>1</sup> , Sicco Brandsma <sup>1</sup> , Anton Pavlov <sup>2</sup> , Hailing Liu <sup>2</sup> , Jon Eigill Johansen <sup>2</sup> and Jacob de Boer <sup>1</sup>	Short-Chain and Polar PFAS in Effluent Samples Analyzed by Liquid Chromatography and Mass Spectrometry	1 Amsterdam Institute for Life and Environment (A-LIFE), Vrije Universiteit, Amsterdam, The Netherlands 2 Chiron AS, Trondheim, Norway
PO 1_28	<u>Patrick van Hees</u> <sup>1,2</sup> , Patrik Karlsson <sup>1</sup> , Marko Filipovic <sup>3</sup> , Niklas Törneman <sup>4</sup> , Claes Thureson <sup>4</sup> , Gustaf Sjölund <sup>5</sup> , Leo Yeung <sup>2</sup>	Multivariate analysis of PFAS in AFFF contaminated soils	1 Eurofins Food & Feed Testing Sweden AB, Sweden 2 Man-Technology-Environment (MTM) Research Centre, Örebro University, Sweden 3 Sellén & Filipovic AB, Nyköping, Sweden 4 Sweco AB, Malmö, Sweden 5 Däva Deponi & Avfallscenter (DAC), Umeå, Sweden
PO 1_29	<u>Zongzhe He</u> , Merle Plassmann, Ian T. Cousins, Jonathan P. Benskin	Validation of a weak-anion exchange solid phase method for determination of extractable organic fluorine including trifluoroacetic acid in water samples	Department of Environmental Science, Stockholm University, Sweden
PO 1_30	<u>Natalia O'Connor</u> <sup>1</sup> , David Patch <sup>1</sup> , Diana Noble <sup>1</sup> , Jennifer Scott <sup>1</sup> , Iris Koch <sup>1</sup> , Kevin G. Mumford <sup>2</sup> , Kela Weber <sup>1</sup>	Forever No More: Complete mineralization of per- and polyfluoroalkyl substances (PFAS) using an optimized UV/ sulfite/ iodide system	1 Environmental Sciences Group, Department of Chemistry and Chemical Engineering, Royal Military College of Canada, Kingston, ON, Canada 2 Department of Civil Engineering, Queen's University, Kingston, ON, Canada
PO 1_31	<u>Michael C. Davis</u> <sup>1</sup> , Jill Boyle <sup>1</sup> , Maria Cervantes Garcia <sup>1</sup> , Jordyn Kramer <sup>1</sup> , Pete Morken <sup>1</sup> , Adam Smith <sup>2</sup> , John Sworen <sup>1</sup>	Nontarget LC/QToF Interrogation of Fluorinated Residues in a Fluoropolymer Dispersion Prepared with a Hydrocarbon based Processing Aid	1 The Chemours Company, Chemours Discovery Hub, Newark, USA 2 The Chemours Company, Washington Works, Washington, USA

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PO 1_32	Kristin von Czapiewski, Gitte Barknowitz, Karl Oetjen, Simon Roberts	Quantifying PFAS in Baby Food Using a High-End Mass Spectrometer	SCIEX, Darmstadt, Germany
PO 1_33	Ruben Kause, Leontien de Pagter-de Witte, Ron Hoogenboom, Bob van Dooren, Rens Keppels, Helgah Makarem Akhlaghi, Bjorn Berendsen, Stefan van Leeuwen	PFAS in Fruits and Vegetables in the Vicinity of two Dutch Fluorochemical Facilities – Ultra-sensitive Chemical Analysis and Occurrence	Wageningen Food Safety Research, Wageningen University & Research, The Netherlands
PO 1_34	Valsecchi S. <sup>1</sup> , Dalmijn J. <sup>2</sup> , Ian Cousins <sup>2</sup> , Matthew Salter <sup>2</sup> , Rusconi M. <sup>1</sup> , Parolini M. <sup>3</sup> , Polesello S. <sup>1</sup> , Roscioli C. <sup>1</sup> , McCord J. <sup>4</sup> , Strynar M. <sup>4</sup> and Robuck A. <sup>4</sup>	Identification of historical contamination and novel PFAS in wastewater of a fluoropolymer manufacturing plant (Northern Italy)	1 Istituto di Ricerca Sulle Acque, Consiglio Nazionale delle Ricerche, Brugherio, MB, Italy 2 Department of Environmental Science, Stockholm University, Sweden 3 Dipartimento di Scienze e Politiche Ambientali, Università degli Studi di Milano, Milano, Italy 4 U.S. Environmental Protection Agency, Center for Environmental Measurement and Modeling, USA
PO 1_35	Linda Schlittenbauer <sup>1</sup> , Jennifer Davies <sup>2</sup> , Janitha De-Alwis <sup>2</sup>	Adaptation of Large Panels of Per- and Polyfluorinated Alkyl Substances (PFAS) for Routine Analysis in Drinking and Environmental Waters by Direct Injection Using UHPLC-MS/MS	1 Waters GmbH, Germany 2 Waters Corporation, Wilmslow, UK
PO 1_36	Claudia Rathmann <sup>1</sup> , Sara Dowd <sup>2</sup> , Kari Organtini <sup>2</sup> , Douglas Stevens <sup>2</sup>	Detection and Quantitation of Volatile PFAS with Gas Chromatography Atmospheric Pressure Chemical Ionization (GC-APCI)	1 Waters GmbH, Germany 2 Waters Corporation, Milford, MA, USA
PO 1_37	Claudia Rathmann <sup>1</sup> , Sara Dowd <sup>2</sup> , Kari Organtini <sup>2</sup> , Marian Twohig <sup>2</sup> , Frank Dorman <sup>2</sup>	Ion Mobility Guided Targeted and Non-Targeted Analysis of PFAS Compounds from Environmental Samples Collected at a Ski Resort	1 Waters GmbH, Germany 2 Waters Corporation, Milford, MA, USA
<b>Session 2: Exposure Science</b>			
PO 2_1	Luise Zimmermann <sup>1</sup> , René Lämmer <sup>1</sup> , Bernd Göckener <sup>1</sup> , Mark Bücking <sup>1</sup> , Gábor-Árpád Czirják <sup>2</sup>	Monitoring of PFASs in Different Arctic Fox Tissues	1 Fraunhofer Institute for Molecular Biology and Applied Ecology IME, Schmallenberg, Germany 2 Leibniz Institute for Zoo and Wildlife Research, Berlin, Germany
PO 2_2	Xavier DAUCHY	Evidence of large-scale deposition of airborne emissions of per- and polyfluoroalkyl substances (PFASs) near a fluoropolymer production plant in an urban area	ANSES, Nancy Laboratory for Hydrology, Water Chemistry Department, Nancy, France
PO 2_3	Alun James	PFAS at the Environment Agency UK - groundwater, surface water and biota monitoring	Environment Agency, Rives House, East Quay, Bridgwater, Somerset, UK
PO 2_4	Ana Cabrerizo Pastor <sup>1</sup> , Derek Muir <sup>2,3</sup> , Amila de Silva <sup>3</sup> , Benjamin Barst <sup>4</sup> , Samantha Burke <sup>5</sup> , Debbie Iqaluk <sup>6</sup> , Jane Kirk <sup>3</sup> , Xiaowa Wang <sup>3</sup> , Mary Williamson <sup>3</sup> , Scott Lamoureux <sup>7</sup> , Melissa Lafreniere <sup>7</sup>	Influence of Climate Related Factors on the Temporal Trends of Perfluoroalkyl Substances and Polychlorinated Biphenyls In Landlocked Char in Two High Arctic Lakes	1 Department of Chemical Engineering and Environmental Technology, Valladolid University, Spain 2 University of Guelph, School of Environmental Sciences, Guelph, ON, Canada 3 Environment & Climate Change Canada, Burlington, ON, Canada 4 Water and Environmental Research Center, University of Alaska Fairbanks, Fairbanks, USA 5 Minnow Environmental, Guelph, ON, Canada 6 Resolute Bay, Nunavut XOA OVO , Canada 7 Department of Geography and Planning, Queen's University, Kingston, ON, Canada
PO 2_5	Magali Houde <sup>1</sup> , Derek Muir <sup>2,3</sup> , Peter Amarualik Sr <sup>4</sup> , Jane Kirk <sup>3</sup> , Christine Spencer <sup>3</sup> , Mary Williamson <sup>3</sup> , Amila De Silva <sup>3</sup>	Trends of Perfluoroalkyl Substances in Seawater and Ringed Seals in the Canadian High Arctic	1 Environment & Climate Change Canada, Montreal, QC, Canada 2 University of Guelph, School of Environmental Sciences, Guelph, ON, Canada 3 Aquatic Contaminants Research Div., Environment & Climate Change Canada, Burlington, ON, Canada 4 Resolute Bay, NU XOA OVO
PO 2_6	Rusconi M. <sup>1</sup> , Valsecchi S. <sup>1</sup> , Coppola G. <sup>2</sup> , Polesello S. <sup>1</sup> , Peruzzo M. <sup>2</sup> , Ungherese G. <sup>3</sup>	Cooking with water containing PFAS: an overlooked route of exposition?	1 Istituto di Ricerca Sulle Acque, Consiglio Nazionale delle Ricerche, Brugherio, MB, Italy 2 Eurolab Srl, Cassola, VI, Italy 3 Greenpeace Italia, Roma, Italy

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PO 2_7	<u>Viktoria Müller</u> <sup>1,2</sup> , Flavien Cunis <sup>2</sup> , Marc Preihs <sup>2</sup> , Andrew Kindness <sup>1,3</sup> , Jörg Feldmann <sup>2</sup>	PFAS in wastewater treatment plants	1 The James Hutton Institute, Aberdeen, United Kingdom 2 Institute of Chemistry, University of Graz, Graz, Austria 3 University of KwaZulu Natal, School of Chemistry & Physics, Durban, South Africa
PO 2_8	<u>Imogen Bailes</u> <sup>1</sup> , Jon Barber <sup>2</sup> , Sara Losada Rivas <sup>2</sup> , Richard Phillips <sup>3</sup> , Lloyd Peck <sup>3</sup> and Andrew Sweetman <sup>1</sup>	PFAS in Sub-Antarctic Seabirds: Evaluating Long-Range Transport and Emerging PFAS	1 Lancaster University, UK 2 Cefas - Centre for Environment, Fisheries and Aquaculture Science, UK 3 British Antarctic Survey, UK
PO 2_9	<u>Häkkinen M</u> <sup>1</sup> , Koponen J <sup>1</sup> , Airaksinen R <sup>1</sup> , Kumar E <sup>1</sup> , Rantakokko P <sup>1</sup> , Ruokojärvi P <sup>1</sup> , Raitaniemi J <sup>2</sup> , Suomi J <sup>3</sup>	PFAS monitoring of Baltic Sea fish in 2009-2023	1 National Institute for Health and Welfare (THL), Department of Health Security, Kuopio, Finland 2 National Resources Institute Finland (Luke), Helsinki, Finland 3 Finnish Food Authority, Helsinki, Finland
PO 2_10	<u>Rossana Bossi</u> , Katrin Vorkamp and Henrik Skov	Neutral and ionizable PFAS in the atmosphere and snow at Villum Research Station, North Greenland	Aarhus University, Department of Environmental Science, Roskilde, Denmark
PO 2_11	<u>Derek Muir</u> <sup>1,2</sup> , Amila de Silva <sup>2</sup> , Ana Cabrerizo Pastor <sup>3</sup> , Benjamin Barst <sup>4</sup> , Guenter Koeck <sup>5</sup> , Debbie Iqaluk <sup>6</sup> , Jane Kirk <sup>2</sup> , Xiaowa Wang <sup>2</sup> , Mary Williamson <sup>2</sup>	Long Term Temporal Trends of Perfluoroalkyl Substances in Landlocked Char From High Arctic Lakes	1 University of Guelph, School of Environmental Sciences, Guelph, ON, Canada 2 Environment & Climate Change Canada, Burlington, ON, Canada 3 Department of Chemical Engineering and Environmental Technology, Valladolid University, Valladolid, Spain 4 Water and Environmental Research Center, University of Alaska Fairbanks, Fairbanks, USA 5 Institute for Interdisciplinary Mountain Research, Innsbruck, Austria 6 Resolute Bay, Nunavut XOA OVO , Canada
PO 2_12	<u>David Lutes</u> , Jinxia Liu, Andrew Boyd	Simulated contamination of concrete with AFFF under site relevant conditions: sorption kinetics and methods for extraction	Department of Civil Engineering, McGill University, Montréal, QC, Canada
PO 2_13	Husøy T <sup>1,2</sup> , Caspersen IH <sup>3</sup> , Thépaut E, <sup>1</sup> Knutsen H <sup>1,2</sup> , Haug LS <sup>1,2</sup> , Andreassen M <sup>1</sup> , Gkrillas A <sup>1</sup> , Lindeman B <sup>1,2</sup> , Thomsen C <sup>1,2</sup> , <u>Herzke D</u> <sup>1</sup> , Dirven H <sup>1</sup> and Wojewodzic MW <sup>1,2,4</sup>	Comparison of aggregated exposure to perfluorooctanoic acid (PFOA) from diet and personal care products with concentrations in blood using a PBPK model – results from the Norwegian biomonitoring study in EuroMix	1 The Norwegian Institute of Public Health, Division of Climate and Environmental Health, Oslo, Norway 2 The Norwegian Institute of Public Health, Centre for Sustainable Diets, Oslo, Norway 3 Centre for Fertility and Health, Norwegian Institute of Public Health, Oslo, Norway 4 Cancer Registry of Norway, Section for Molecular Epidemiology and Infections, Oslo, Norway
PO 2_14	<u>Nicolas Pala</u> <sup>1</sup> , Katrin Vorkamp <sup>2</sup> , Rossana Bossi <sup>2</sup> , Simonetta Corsolini <sup>1</sup>	Greenland shark ( <i>Somniosus microcephalus</i> ) as sentinel for monitoring the "forever chemicals": a spatial trend evaluation of PFASs along the Greenland coasts	1 Department of Physical, Earth and Environmental Sciences, University of Siena, Italy 2 Department of Environmental Science, Aarhus University, Roskilde, Denmark
PO 2_15	<u>Daniel Persaud</u> <sup>1</sup> , Alison S. Criscitiello <sup>2</sup> , Christine Spencer <sup>3</sup> , Igor Lehnher <sup>4</sup> , Derek C G. Muir <sup>3</sup> , Amila O. De Silva <sup>3</sup> , and Cora J. Young <sup>1</sup>	A 50-year record for perfluoroalkyl acids in the High Arctic: Implications for global and local transport	1 Department of Chemistry, York University, Toronto, ON, Canada 2 Department of Earth and Atmospheric Sciences, University of Alberta, Edmonton, Alberta, Canada 3 Aquatic Contaminants Research Division, Environmental and Climate Change Canada, Burlington, ON, Canada 4 Department of Geography, University of Toronto-Mississauga, Mississauga, ON, Canada
PO 2_16	<u>Jodie Buytaert</u> <sup>1</sup> , Marcel Eens <sup>2</sup> , Hamada Abd Elgawad <sup>3</sup> , Lieven Bervoets <sup>1</sup> , Gerrit Beemster <sup>3</sup> , Thimo Groffen <sup>1</sup>	Associations between PFAS concentrations and oxidative status in great tits ( <i>Parus major</i> ) near a highly contaminated site	1 ECOSPHERE, Department of Biology, University of Antwerp, Belgium 2 Behavioural Ecology and Ecophysiology Group, Department of Biology, University of Antwerp, Belgium 3 Integrated Molecular Plant Physiology Research, Department of Biology, University of Antwerp, Belgium

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PO 2_17	<u>Elvio Amato</u> <sup>1</sup> , Frederic Béen <sup>1,2</sup> , Dennis Vughs <sup>1</sup> , Nienke Meekel <sup>1</sup> , Tessa Pronk <sup>1</sup> , Stefan Kools <sup>1</sup> , Milou Dingemans <sup>1,3</sup> , Thomas ter Laak <sup>1,4</sup>	Comprehensive PFAS monitoring strategy - case studies for the Dutch water sector	1 KWR Water Research Institute, Nieuwegein, The Netherlands 2 Chemistry for Environment & Health, Amsterdam Institute for Life and Environment, Vrije Universiteit Amsterdam, The Netherlands 3 Institute for Risk Assessment Sciences, Utrecht University, The Netherlands 4 Institute for Biodiversity and Ecosystem Dynamics (IBED), University of Amsterdam, Netherlands
PO 2_18	Xiaoyan Yun <sup>1</sup> , Asa J Lewis <sup>2</sup> , Christopher M Sales <sup>2</sup> , Daniel E Spooner <sup>3</sup> , Marie J Kurz <sup>4,5</sup> , Rominder Suri <sup>1</sup> , <u>Erica R McKenzie</u> <sup>1</sup>	Bioaccumulation of per- and polyfluoroalkyl substances in benthic macroinvertebrates as impacted by geochemical factors: sediment organic carbon, divalent cations, temperature	1 Civil and Environmental Engineering Department, Temple University, Philadelphia, PA, USA 2 Department of Civil, Architectural and Environmental Engineering, Drexel University, Philadelphia, PA, USA 3 Department of Biology, Lock Haven University, Commonwealth University of Pennsylvania, Lock Haven, PA, USA 4 Academy of Natural Sciences of Drexel University, Philadelphia, PA, USA 5 Environmental Sciences Division, Oak Ridge National Laboratory, Oak Ridge, TN, USA
PO 2_19	<u>Justin Sankey</u> , Jitka Becanova, Hongjie Wang, Rainer Lohmann	Determination and Risk Assessment of Per- and Polyfluoroalkyl Substances and Polycyclic Aromatic Hydrocarbons Bioaccumulation Factors for Laminaria saccharina	The University of Rhode Island Graduate School of Oceanography, USA
PO 2_20	<u>Patrik Karlsson</u> <sup>1</sup> , Patrick van Hees <sup>1,2</sup>	Exposure of PFAS in food – Levels and composition	1 Eurofins Food & Feed Testing Sweden AB, Sweden 2 Man-Technology-Environment (MTM) Research Centre, Örebro University, Sweden
PO 2_21	<u>Patrick van Hees</u> <sup>1,2</sup> , Tobias Sundelin <sup>1</sup> , Patrik Karlsson <sup>1</sup>	Ultrashort PFAS in Swedish and Norwegian Drinking Water	1 Eurofins Food & Feed Testing Sweden AB, Sweden 2 Man-Technology-Environment (MTM) Research Centre, Örebro University, Sweden
PO 2_22	<u>Türk, Franziska</u> <sup>1,2</sup> , Fell, Kate <sup>2</sup> ; Roberts, Joanne <sup>3</sup> ; Bellingham, Michelle <sup>1</sup> , and Gauchotte-Lindsay, Caroline <sup>2</sup>	Detection of Perfluoro Carboxylic Acids in Complex Environmental Matrices	1 University of Glasgow, College of Medical, Veterinary and Life Sciences, UK 2 University of Glasgow, College of Science and Engineering, UK 3 Glasgow Caledonian University, Department of Applied Science, UK
PO 2_23	<u>Linda Schreiner</u> , Cristina Velasco-Schoen, Mareike Lechner, Holger Knapp	From Farm to Fork to Humans: Comparative Study of PFAS in Human Blood, Food, Feed and Drinking Water	Bavarian Health and Food Safety Authority, Erlangen, Germany
PO 2_24	<u>Danne Post</u> , Tessa Pancras	PFAS in crops near a fluorochemical plant: Links between distance, soil concentrations and uptake	Arcadis Nederland B.V. , The Netherlands
PO 2_25	<u>Mumberg, T.</u> <sup>1</sup> , Ahrens, L. <sup>2</sup> , McCleaf, P. <sup>3</sup> , Pott, B.-M. <sup>4</sup> , Wanner, P. <sup>1</sup>	Potential risks for drinking water quality with per- and polyfluoroalkyl substances (PFAS) entering managed aquifer recharge (MAR) systems	1 Department of Earth Sciences, University of Gothenburg, Gothenburg, Sweden 2 Department of Aquatic Sciences and Assessment, Swedish University of Agricultural Sciences, Uppsala, Sweden 3 Uppsala Water and Waste Ltd., Uppsala, Sweden 4 Sydsvatten AB, Malmö, Sweden
PO 2_26	Pingping Meng, <sup>1</sup> Nadia Sheppard, <sup>1</sup> Owen W. Duckworth, <sup>2</sup> Christopher Higgins <sup>3</sup> and <u>Detlef R.U. Knappe</u> <sup>1</sup>	Human exposure to per- and polyfluoroalkyl ether acids through local residential garden crops grown near a fluorochemical manufacturer	1 Civil, Construction, and Environmental Engineering, North Carolina State University, Raleigh, USA 2 Crop and Soil Sciences, North Carolina State University, Raleigh, USA 3 Civil and Environmental Engineering, Colorado School of Mines, Golden, CO, USA
PO 2_27	Amanda Rensmo <sup>1,2</sup> , <u>Eleni Savvidou</u> <sup>2</sup> , Ian Cousins <sup>2</sup> , Xianfeng Hu <sup>3</sup> , Steffen Schellenberger <sup>1</sup> and Jonathan Benskin <sup>2</sup>	Lithium-ion battery recycling: a source of per- and polyfluoroalkyl substances to the environment?	1 RISE, Research Institutes of Sweden, Environment and Sustainable Chemistry Unit, Stockholm, Sweden 2 Stockholm University, Department of Environmental Science, Stockholm, Sweden 3 SWERIM AB, Luleå, Sweden
PO 2_28	<u>Hannah Calder</u> , Laura Miles	Measurement of volatile PFAS in indoor air using TD-GC-MS/MS: a robust analytical method to increase understanding of a less explored route of exposure	Markes International Ltd, Bridgend, UK

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No.	Authors	Title	Affiliation
<b>Session 3: Epidemiology and Toxicity</b>			
PO 3_1	<u>Wiebke Alker</u> , Thorsten Buhrke, Albert Braeuning	In Vitro Study on Molecular Toxicity Mechanisms of Novel (Poly-) Ether PFAS	German Federal Institute for Risk Assessment, Berlin, Germany
PO 3_2	<u>Kyeong Hwa Sim</u> <sup>1</sup> , <u>Hyeon Seo Oh</u> <sup>2</sup> , <u>Chuhee Lee</u> <sup>3</sup> , <u>Kodai Motohira</u> <sup>4</sup> , <u>Heesoo Eun</u> <sup>4</sup> , <u>Youn Ju Lee</u> <sup>1</sup>	Study on the effect of perfluorohexane sulfonic acid on the proliferation of human hepatocellular carcinoma cells	1 Department of Pharmacology, School of Medicine, Daegu Catholic University, Daegu, Republic of Korea 2 Department of Neurology, School of Medicine, Daegu Catholic University, Daegu, Republic of Korea 3 Department of Biochemistry, School of Medicine, Catholic University of Daegu, Daegu, Republic of Korea 4 Research Center for Advanced Analysis, National Agriculture and Food Research Organization (NARO), Japan
PO 3_3	<u>Tobias Frische</u> <sup>1</sup> , <u>Annegret Biegel Engler</u> <sup>1</sup> , <u>Marc Guckert</u> <sup>2</sup> , <u>Jan Koschorreck</u> <sup>1</sup> , <u>Raphaela Osterauer</u> <sup>3</sup> , <u>Christina Riemenschneider</u> <sup>4</sup> , <u>Jana Rupp</u> <sup>5</sup> , <u>Reiner Söhlmann</u> <sup>6</sup>	PFAS Contamination Patterns in Wild Boar Liver Samples and Soil Samples from a PFAS Hot Spot Area – Distinct, yet Indicative	1 German Environment Agency (UBA), Dessau-Roßlau, Germany 2 DVGW Technologiezentrum Wasser (German Water Centre), Karlsruhe, Germany 3 State Institute for Environment Baden Wuerttemberg (LUBW), Karlsruhe, Germany 4 State Institute for Chemical and Veterinary Analysis of Food (CVUA), Fellbach, Germany 5 Helmholtz Centre for Environmental Research UFZ, Office for Environment and Commercial Operator Inspection, Leipzig, Germany 6 District Office Rastatt, Office for Environment and Commercial Operator Inspection
PO 3_4	<u>Erich Batzella</u> <sup>1</sup> , <u>Isabella Rosato</u> <sup>1</sup> , <u>Gisella Pitter</u> <sup>2</sup> , <u>Filippo Da Re</u> <sup>3</sup> , <u>Francesca Russo</u> <sup>3</sup> , <u>Cristina Canova</u> <sup>1</sup> , <u>Tony Fletcher</u> <sup>4</sup>	Determinants of PFOA serum half-life after end of exposure: a longitudinal study on highly exposed subjects in the Veneto Region	1 Unit of Biostatistics, Epidemiology and Public Health, Department of Cardio-Thoraco-Vascular Sciences and Public Health, Padova, Italy 2 Screening and Health Impact Assessment Unit, Azienda Zero-Veneto Region, Padova, Italy 3 Directorate of Prevention, Food Safety, and Veterinary Public Health-Veneto Region, Venice, Italy 4 London School of Hygiene and Tropical Medicine, London, UK
PO 3_5	<u>Jochen Kuckelkorn</u> , Anna Mittag	In vitro testing strategy for PFAS in drinking water	German Environment Agency, Toxicology of Drinking Water and Swimming Pool Water, Bad Elster, Germany
PO 3_6	<u>Barbara J. Henry</u> <sup>1</sup> and Olivier Provoost <sup>2</sup>	PTFE presents a low risk to human health and differs substantially in its hazard profile from other types of PFAS	1 W. L. Gore & Associates, Inc., Elkton, USA 2 W. L. Gore & Associates GmbH, Putzbrunn, Germany
PO 3_7	<u>Peter A. Behnisch</u> , Harrie Besselink, Carolien van der Wielen, Iris van der Zee, Alex Blok, Abraham Brouwer	Effect- and human-cell based bioassays for PFAS compounds, technical products and water testing	BioDetection Systems BV, Amsterdam, The Netherlands
PO 3_8	<u>Thimo Groffen</u> , Heleen Keirsebelik, Hannes Dendievel, Mathilde Falcou-Préfol, Lieven Bervoets, Jonas Schoelnyck	Chinese mitten crabs ( <i>Eriocheir sinensis</i> ) as biomonitor of per- and polyfluoroalkyl substances (PFAS) pollution in Flanders, Belgium	University of Antwerp, Department of Biology, ECOSPHERE Research Group, Wilrijk, Belgium
PO 3_9	<u>Batzella Erich</u> <sup>1</sup> , <u>Fletcher Tony</u> <sup>2</sup> , <u>Pitter Gisella</u> <sup>3</sup> , <u>Filippo da Re</u> <sup>4</sup> , <u>Russo Francesca</u> <sup>4</sup> , <u>Andrea di Nisio</u> <sup>5</sup> , <u>Canova Cristina</u> <sup>1</sup>	Association between changes in Serum Lipids and changes in Serum PFAS	1 Unit of Biostatistics, Epidemiology and Public Health, Department of Cardio-Thoraco-Vascular Sciences and Public Health, Padova, Italy 2 London School of Hygiene and Tropical Medicine, London, UK 3 Screening and Health Impact Assessment Unit, Azienda Zero-Veneto Region, Padova, Italy 4 Directorate of Prevention, Food Safety and Veterinary Public Health-Veneto Region, Venice, Italy 5 Department of Medicine, University of Padova, Italy
PO 3_10	<u>Isabella Rosato</u> <sup>1</sup> , <u>Erich Batzella</u> <sup>1</sup> , <u>Francesca Russo</u> <sup>2</sup> , <u>Gisella Pitter</u> <sup>3</sup> , <u>Filippo Da Re</u> <sup>2</sup> , <u>Cristina Canova</u> <sup>1</sup>	Association between PFAS concentrations and liver function biomarkers in the hyper-exposed population of the Veneto Region	1 Unit of Biostatistics, Epidemiology and Public Health, Department of Cardio-Thoraco-Vascular Sciences and Public Health, Padova, Italy 2 Directorate of Prevention, Food Safety and Veterinary Public Health-Veneto Region, Venice, Italy 3 Screening and Health Impact Assessment Unit, Azienda Zero-Veneto Region, Padova, Italy

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No.	Authors	Title	Affiliation
PO 3_11	Tony Fletcher <sup>1</sup> , A. Andersson <sup>2</sup> , Y. Xu <sup>2</sup> , A. Kärman <sup>3</sup> , CH. Lindh <sup>4</sup> , K. Jakobsson <sup>2,5</sup> , and Y. Li <sup>2</sup>	PFAS elimination by both Faecal and Urinary routes, and new estimates for Volume of Distribution in humans for PFAS	1 Department of Public Health, Environments & Society, London School of Hygiene & Tropical Medicine, London, UK 2 School of Public Health and Community Medicine, Institute of Medicine, Sahlgrenska Academy, University of Gothenburg, Sweden 3 Man-Technology-Environment (MTM) Research Centre, School of Science and Technology, Örebro University, Sweden 4 Division of Occupational and Environmental Medicine, Department of Laboratory Medicine, Lund University, Sweden 5 Occupational and Environmental Medicine, Sahlgrenska University Hospital, Gothenburg, Sweden
<b>Session 4: Solutions</b>			
PO 4_1	Lauren P. Turner <sup>1</sup> , David J. Patch <sup>2</sup> , Bernard H. Kueper <sup>1</sup> and Kela P. Weber <sup>2</sup>	Mechanochemical destruction of per- and polyfluoroalkyl substances in four aqueous film forming foam formulations by ball milling using silica sand and potassium hydroxide	1 Queen's University, Kingston, ON, Canada 2 Royal Military College of Canada, Kingston, ON, Canada
PO 4_2	Walid Lakrari, <sup>1,2</sup> Davide Carraro, <sup>2</sup> Alberto Nalon, <sup>2</sup> Cristiano Zonta <sup>1</sup>	Design of holistic approaches for the oxidation of perfluorinated molecules through unconventional techniques	1 Department of Chemical Sciences, University of Padova, Italy 2 Depuracque Servizi S.r.l., Salzano, Italy
PO 4_3	Davide Carraro, Alberto Nalon and Nicola Levorato	A Full-Scale Plant for Landfill Leachate PFAS Removal: Venetian Lagoon Case Study	Depuracque Servizi srl, Salzano (VE), Italy
PO 4_4	Steffen Schellenberger <sup>1</sup> , Johanna Snellström <sup>1</sup> , Malte Lilliestråle <sup>3</sup> , Maja Halling <sup>2</sup> , Ocean Cheung <sup>4</sup> , María Isabel Alvarado Ávila <sup>5</sup> , Esteban Alejandro Toledo Carrillo <sup>5</sup> , Joydeep Dutta <sup>5</sup> , Charlotte Nilsson <sup>1</sup> , Marie Gottfridsson <sup>2</sup> , Kristin Johansson <sup>2</sup> , Jutta Hildenbrand <sup>1</sup> , Malin Brodin <sup>1</sup> , Stefan Örn <sup>6</sup> , Andriy Malovanyy <sup>2</sup>	Novel post-treatment technologies for poly- and perfluoroalkyl substances and the application of a lifecycle-based risk mapping (LCBRM)	1 RISE, Research Institutes of Sweden 2 Swedish Environmental Research Institute, Sweden 3 Radma Carbon AB, Sweden 4 Uppsala University, Sweden 5 KTH Royal Institute of Technology, Sweden 6 SLU Swedish University of Agricultural Sciences, Sweden
PO 4_5	Faezeh Pazoki, Bei Yan, Jinxia Liu	Enhanced Affinity for Per- and Polyfluoroalkyl Substances on a Modified Clay	Department of Civil Engineering, McGill University, Montreal, QC, Canada
PO 4_6	Roger A. Klein <sup>1</sup> , Nigel J.C. Holmes <sup>2</sup> , Quinn McDonald <sup>2</sup>	PFAS Destruction by High-Temperature Cement Kiln Co-processing: an Environmentally Sustainable Method	1 Cambridge, UK, and Christian Regenhard Center for Emergency Response Studies, John Jay College of Criminal Justice, CUNY, New York, USA 2 Department of Environment and Science, Queensland Government, Australia
PO 4_7	Zongsu Wie	Zero Fluoro-Pollution: A Dream or Reality?	Centre for Water Technology (WATEC), Department of Biological and Chemical Engineering, Aarhus University, Denmark
PO 4_8	Erica R McKenzie, Yaseen Al-Qaraghuli	Exploring the importance of organic matter quality on PFAS sorption to soils using low molecular weight proxies with known characteristics	Civil and Environmental Engineering Department, Temple University, Philadelphia, PA, USA
PO 4_9	Steven J. Chow <sup>1,2</sup> , Joseph G. Jacangelo <sup>1,3</sup> , Kellogg J. Schwab <sup>1</sup>	Miniaturized rapid small-scale column tests: highly resolved adsorbent screening and elucidation of scalable treatability trends across varied drinking water sources	1 Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, USA 2 Eawag, Swiss Federal Institute of Aquatic Science and Technology, Dübendorf, Switzerland 3 Institute for Water Technology and Policy, Stantec, Washington, DC, USA
PO 4_10	Andrew Folkerson, Stephanie R. Schneider, Jonathan P. D. Abbatt, Scott A. Mabury	Avoiding Regrettable Replacements: Can the Introduction of Novel Functional Groups Move PFAS from Recalcitrant to Reactive?	Department of Chemistry, University of Toronto, ON, Canada
PO 4_11	Alexander Arthur Haluska <sup>1</sup> , Joel Fabregat-Palau <sup>1</sup> , Peter Grathwohl <sup>1</sup> , Mike Annable <sup>2</sup> , Boting Chen <sup>2</sup> , Kevin Finneran <sup>3</sup>	Influence of Particulate Amendments on Trichloroethene (TCE) Reductive Dechlorination in the Presence of Per- And Polyfluoroalkyl Substances (PFASs): Laboratory and Field Studies	1 University of Tübingen, Germany 2 University of Florida, Gainesville, FL, USA 3 Clemson University, SC, USA
PO 4_12	Oscar Skirfjors <sup>1</sup> , Dahn Rosenquist <sup>2</sup> , Dan Berggren Kleja <sup>3</sup> , Anja Enell <sup>3</sup> , Laura del Val Alonso <sup>4</sup> , Lutz Ahrens <sup>1</sup>	Assessing phytoremediation integrated in a treatment train for PFAS contaminated groundwater	1 Department of Aquatic Sciences and Assessment, Swedish University of Agricultural Sciences, Uppsala, Sweden 2 Laqua Treatment AB, Yngsjö, Sweden 3 Swedish Geotechnical institute (SGI), Linköping, Sweden 4 Eurecat, Manresa, Spain

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PO 4_13	<u>Hubert M</u> <sup>1,2</sup> , Bonnet B <sup>3</sup> , Ahrens L <sup>3</sup> , Arp HPH <sup>1,2</sup>	Transport behavior of PFAS and immobilization approaches with regenerated waste products in large scale unsaturated lysimeters	1 Department of Environmental Engineering, Norwegian Geotechnical Institute, Oslo, Norway 2 Norwegian Institute of Science and Technology, Trondheim, Norway 3 Department for Aquatic Sciences and Assessment, Swedish University of Agricultural Sciences, Uppsala, Sweden
PO 4_14	<u>Björn Bonnet</u> <sup>1</sup> , Ian Ross <sup>2</sup> , Lutz Ahrens <sup>1</sup>	Novel swab sampling technique for determination of total PFAS mass on PFAS contaminated sprinkler system pipes – treatment verification with time-of-flight elastic recoil detection (ToF-ERD)	1 Department for Aquatic Sciences and Assessment, Swedish University of Agricultural Sciences, Uppsala, Sweden 2 CDM Smith, CA, USA
PO 4_15	<u>Mio Pettersson</u> , Rebecka Ayranci Dahlberg, Ingrid Ericson Jogsten, Leo W	Remediation of per- and polyfluorinated substances (PFAS) from contaminated water by sorption to pine- and spruce bark	Man-Technology-Environment (MTM) Research Centre, School of Science and Technology, Örebro University, Sweden
PO 4_16	Erlend Sørmo <sup>1,2</sup> , Gabriella Castro <sup>3</sup> , Michel Hubert <sup>1,3</sup> , Viktória Licul-Kucera <sup>4,5</sup> , Marjorie Quintanilla <sup>3</sup> , Alexandros G. Asimakopoulos <sup>3</sup> , Gerard Cornelissen <sup>1,2</sup> , <u>Hans Peter H. Arp</u> <sup>1,3</sup>	The Decomposition and Emission Factors of a Wide Range of PFAS in the Dry Pyrolysis of Various Contaminated Organic Waste Fractions	1 Norwegian Geotechnical Institute, Oslo, Norway 2 Norwegian University of Life Sciences, Ås, Norway 3 Faculty of Natural Sciences, Norwegian University of Science and Technology, Trondheim, Norway 4 Hochschulen Fresenius gem. Trägergesellschaft mbH, Idstein, Germany 5 Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam, The Netherlands
PO 4_17	<u>Ian Ross</u> <sup>1</sup> Jinxia Liu <sup>2</sup> , Marie-Pierre Krafft <sup>3</sup>	The Physical Chemistry of PFAS Self-Assembly into Supramolecular Aggregates	1 CDM Smith, CA, USA 2 Department of Civil Engineering, McGill University, Montreal, Canada 3 Institut Charles Sadron (CNRS), University of Strasbourg, France
PO 4_18	<u>Mikaela J. Surace</u> <sup>1</sup> , Mobish A. Shaji <sup>2</sup> , Jimmy Murillo-Gelvez <sup>3</sup> , Alexander Rabinovich <sup>2</sup> , Alexander A. Fridman <sup>2</sup> , Erica R. McKenzie <sup>3</sup> , Gregory Fridman <sup>4</sup> , Christopher M. Sales <sup>1</sup>	Degradation of PFAS in water using gliding arc plasma discharge	1 Department of Civil, Architectural, and Environmental Engineering, Drexel University, Philadelphia, PA, USA 2 J Nyheim Plasma Institute, Drexel University, Camden, NJ, USA 3 Department of Civil and Environmental Engineering, Temple University, Philadelphia, PA, USA 4 AAPlasma LLC, Philadelphia, PA, USA
PO 4_19	<u>Alexander Arthur Haluska</u> <sup>1</sup> , Andreas Meder, Klaus Röhrler, Peter Grathwohl <sup>1</sup> , Mike Annable <sup>2</sup> , Jay Cho <sup>2</sup>	Application of Passive Flux Meters & Ceramic Dosimeters to PFAS measurements in a lake system	1 University of Tübingen, Germany 2 University of Florida, Gainesville, FL, USA
PO 4_20	<u>Ane Urriaga</u> , Nazely Diban, Sonia Gómez-Lavin, Maria Isabel Diaz, Sara Gonzalez, Fernando Pardo, Gabriel Zarca	Synergy of membrane nanofiltration and electrochemical degradation for PFAS remediation	Department of Chemical and Biomolecular Engineering, University of Cantabria, Santander, Spain
PO 4_21	<u>Alexander Arthur Haluska</u> <sup>1</sup> , Röhrler, K. <sup>1</sup> ; Abramov, S. <sup>2</sup> ; Thompson, K. <sup>2</sup> ; Straub, D. <sup>1</sup> ; Kleindienst, S. <sup>2</sup> ; Bugsel, B. <sup>1</sup> Zweigle, J. <sup>1</sup> , Zwiener, C. <sup>1</sup> ; Grathwohl, P. <sup>1</sup>	Highly PFAS-Contaminated Soil Site in Germany: Predicting PFAA Release Rates and Impact on Soil Microbiome	1 University of Tübingen, Germany 2 University of Stuttgart, Stuttgart-Büsnau, Germany
<b>Session 5: Regulation/ Policy</b>			
PO 5_1	Romain Figuière, <u>Luc T. Miaz</u> , Eleni Savvidou and Ian T. Cousins	Use of the functional substitution approach to build a database of alternatives to uses of per- and polyfluoroalkyl substances	Department of Environmental Science, Stockholm University, Sweden
PO 5_2	<u>L. Gehrenkemper</u> <sup>1</sup> , A. Schmidt <sup>1</sup> , L. Lesmeister <sup>2</sup> , R. Boeddinghaus <sup>3</sup> , J. Breuer <sup>3</sup> , M. Scheurer <sup>2</sup> , A. Biegel-Engler <sup>1</sup>	Transfer of PFAS From Soil Into Plants and Its Relevance for PFAS Regulation in Germany	1 German Environment Agency (UBA), Department II 2.6 „Measures of Soil Protection“, Dessau-Roßlau, Germany 2 German Water Centre (TZW), Karlsruhe, Germany 3 Center for Agricultural Technology Augustenberg (LTZ), Section Agroecology, Karlsruhe, Germany
PO 5_3	<u>Ian Keyte</u> , Rob Whiting, Julius Kreissig, Kristina Flexman, Karina Reynolds, Kastalie Bougas, Caspar Corden	The EU PFAS restriction: supporting the transition from policy to reality by overcoming the challenges in alternatives assessment and supply chain mapping	WSP, and formerly as Wood PLC and Amec Foster Wheeler
PO 5_4	<u>Annegret Biegel-Engler</u>	Underfoot – PFASs in soil	German Environment Agency, Section II 2.6 Measures of Soil protection, Dessau-Roßlau, Germany