FLUOROS Global Event Schedule

Sun, Oct 03, 2021

11:00am

Registration Desk Open ② 11:00am - 9:00pm, Oct 3 ♥ Main Hall

11:30am

Check-in for Trainee Session ② 11:30am - 12:00pm, Oct 3 ♥ Main Hall

12:00pm

Networking Lunch for Graduate Students ② 12:00pm - 1:00pm, Oct 3 **?** Main Hall, Visitor Center

1:00pm

Trainee-Organized Session

- ④ 1:00pm 5:00pm, Oct 3
- **Q** Main Hall

<u>Chair</u>: Alicia Crisalli, University of Rhode Island <u>Planning Committee</u>: Heidi Pickard, Harvard University Matthew Dunn, University of Rhode Island Jessica Alesio, University of Rhode Island

<u>The State of PFAS: a guided panel discussion on state-level research and policy</u> PFAS experts on the front lines from RI, CT, NJ, and ME will discuss how their state is handling the PFAS crisis, how that relates to federal guidelines, and how graduate students and early-career scientists can support effective environmental health policy. Open Q&A session to follow guided panel discussion. Organized by the trainees of the URI/Harvard STEEP Superfund Center.

Panelists:

Lori Mathieu, Public Health Branch Chief, Environmental Health & Drinking Water Branch, CT Department of Public Health Gloria Post, Research Scientist, Division of Science and Research, NJ Department of Environmental Protection Tom Simones, Toxicologist, Maine Center for Disease Control and Prevention

Carolyn Poutasse, EH Risk Assessment Toxicologist, Rhode Island Department of Health

Selected student oral presentations

Graduate students will present their unique PFAS research.

Presenters:

Georgios Niarchos, Uppsala University: *Remediation of Per- and Polyfluoroalkyl Substance (PFAS) Contaminated Soil with Colloidal Activated Carbon: Lessons Learned from a Swedish Case Study* (remote)

Emily Johnson, Yale University: *Measuring Personal Exposures to Airborne PFAS Using Wearabe Passive Samplers* (remote)

Emily Hammel, Boston University: *What is the definition of PFAS? Implications for Fluorinated Pharmaceuticals* (remote)

Molly Frazar, University of Kenticky: *Reuasble Polymeric Sorbents and their Applications in Water Remediation* (in person)

Matthew Farrell, North Carolina State University: Acute toxicity of perfluoro carboxylic acids in zebrafish embryos is dependent on carbon chain length (in person)

♥ Speakers



Emily Hammel Doctoral Student, Boston University School of Public Health



Emily Johnson MPH Student, Graduate Researcher, Yale University



Georgios Niarchos Ph.D. Student - Hydrogeology & Environmental Chemistry, Uppsala University



Matthew Farrell Graduate Student, North Carolina State University



Molly Frazar PhD Candidate, University of Kentucky

📢 Panelist



Lori Mathieu Public Health Branch Chief, Environmental Health & Drinking Water Branch, CT Department of Public Health



Gloria Post Research Scientist, Division of Science and Research, NJ Department of Environmental Protection



Tom Simones Toxicologist, Maine Center for Disease Control and Prevention



Carolyn Poutasse Environmental Health Risk Assessment Toxicologist, Rhode Island Department of Health

4:00pm

Poster Set Up

5:15pm

Welcome and Keynote Address

❹ 5:15pm - 6:45pm, Oct 3

Q Main Hall

Opening to FLUOROS global - Rainer Lohmann, URI and Global Greetings Welcome from Edwina Graham, Mashpee-Wampanoag Tribe Welcome from Andrea Amico, Testing for PEASE

Keynote address

Elsie Sunderland, Harvard University: PFAS in our World: Understanding Exposure Sources in a World Full of PFAS

📢 Speakers



Elsie Sunderland Gordon McKay Professor of Environmental Chemistry, Harvard John A. Paulson School of Engineering and Applied Sciences



Rainer Lohmann Professor of Oceanography, University of Rhode Island



Andrea Amico Community Advocate, Testing for Pease



Edwina Graham Mashpee-Wampanoag Tribe

6:45pm

Dinner and Poster Session ④ 6:45pm - 9:45pm, Oct 3 ♥ Main Hall, Visitor Center, Rooftop

Posters up for viewing.

Mon, Oct 04, 2021

1:00am

Novel PFAS (live) (2) 1:00am - 5:00am, Oct 4

> Live broadcast <u>Host</u>: Chinese Academy of Science <u>Chair</u>: Guiban Jiang, Chinese Academy of Sciences <u>Keynote</u>: Jiayin Dai, Shanghai Jiao Tong University: *Detection and toxic effects of emerging per- and polyfluoroalkyl substances*

Lingyan Zhu, Nankai University: Environmental behaviors of emerging per- and polyfluoroalkyl substances

Yanna Liu, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences: *High-resolution mass spectrometry methods for nontarget discovery and characterization of poly- and per-fluoroalkyl substances in environmental and human samples*

Si Wei, Nanjing University: Data mining algorithm for identification of per- and polyfluoroalkyl substances

♥ Speakers



Guiban Jiang Director, Center for Eco-Environmental Sciences, Chinese Academy of Science



Jiayin Dai Professor, Shanghai Jiao Tong University



Lingyan zhu Nankai University



Yanna Liu Assistant Professor, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences



Si Wei Nanjing University

8:00am

Check-in and Breakfast ② 8:00am - 8:45am, Oct 4 **9** Main Hall, Visitor Center

Registration Desk Open ② 8:00am - 9:00pm, Oct 4 ♀ Main Hall

8:45am

Welcome, Community Perspective and Toward a PFAS-free Europe: a science-policy dialogue @ 8:45am - 12:30pm, Oct 4

🛾 Main Hall

Live broadcast

Welcome from RI Senators Jack Reed and Sheldon Whitehouse

Emily Donovan, Clean Cape Fear: PFAS in North Carolina: A Community Perspective

"Learn how a scientific paper accidentally made national news. Hear what is happening to people in North Carolina. Learn why partnering with community action groups is a good career goal. SPOILER ALERT: Because we matter." Toward a PFAS-free Europe: a science-policy dialogue <u>Host</u>: Swiss Federal Institute of Technology, Zurich (ETH) <u>Chairs</u>: Martin Scheringer and Zanyun Wang, ETH

Anna Kärrman, Örebro University: Analytical approaches of PFAS in support of policy actions and regulations

Valentina Bertato, European Commission DG ENV: PFASs & EU Chemical Strategy for Sustainability (slides)

Lena Vierke and Jona Schulze, German Environment Agency: PFAS restriction proposal in the EU

Ian Cousins, Stockholm University: Are fluoropolymers really polymers of low concen?

Local Master of Ceremony: Jitka Becanova, University of Rhode Island

rd Moderator



Jitka Becanova STEEP Trainee, University of Rhode Island

📢 Chair



Martin Scheringer Group Leader, Senior Scientist, Swiss Federal Institute of Technology (ETH)



Zhanyun Wang Senior researcher, Swiss Federal Institute of Technology (ETH)

♥ Speakers



Emily Donovan Co-Founder, Clean Cape Fear



Jack Reed Rhode Island Senator, United States Senate



Sheldon Whitehouse Rhode Island Senator, United States Senate



Valentina Bertato Policy Officer, European Commission



Lena Vierke Scientific Officer, German Environment Agency



Jona Schulze Scientific Officer, German Environment Agency (UBA) Section IV 2.3 Chemicals



Anna Kärrman Associate Professor, MTM Research Centre, Örebro University



Ian Cousins Professor, Stockholm University

🔊 Sponsored By:

12:30pm

Lunch ② 12:30pm - 1:30pm, Oct 4 ♥ Main Hall, Visitor Center

1:30pm

Novel PFAS (re-broadcast)

⊙ 1:30pm - 4:15pm, Oct 4

Q Main Hall

Recorded broadcast <u>Host</u>: Chinese Academy of Science <u>Chair</u>: Guiban Jiang, Chinese Academy of Sciences <u>Keynote</u>: Jiayin Dai, Shanghai Jiao Tong University: *Detection and toxic effects of emerging per- and polyfluoroalkyl substances*

Lingyan Zhu, Nankai University: Environmental behaviors of emerging per- and polyfluoroalkyl substances

Yanna Liu, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences: *High-resolution mass spectrometry methods for nontarget discovery and characterization of poly- and per-fluoroalkyl substances in environmental and human samples*

Si Wei, Nanjing University: Data mining algorithm for identification of per- and polyfluoroalkyl substances

📢 Keynote Speaker



Jiayin Dai Professor, Shanghai Jiao Tong University

📢 Chair



Guiban Jiang Director, Center for Eco-Environmental Sciences, Chinese Academy of Science



Lingyan zhu Nankai University



Yanna Liu Assistant Professor, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences



Si Wei Nanjing University

4:15pm

Poster Session with Judging ② 4:15pm - 6:00pm, Oct 4 ♀ Main Hall

Presenters should be at their posters for judging.

6:00pm

Buffet Dinner at Waterfire Arts Center ② 6:00pm - 9:00pm, Oct 4 ♀ Main Hall, Visitor Center, Rooftop

Tue, Oct 05, 2021

12:00am

Remediation of PFAS- techniques, policies, and cost benefits (Live)
12:00am - 4:00am, Oct 5
Main Hall
If you are joining the live broadcast via Whova, please be sure to mute yourself upon entering the Zoom call
Live broadcast
Host: Oueensland Alliance for Environmental Health Sciences

<u>Host</u>: Queensland Alliance for Environmental Health Sciences <u>Chair</u>: Jochen Mueller, Queensland Alliance for Environmental Health Sciences

Karl Bowles, RPS Group: PFAS Remediation: what is possible and what is practicable?

Lutz Ahrens, Swedish University of Agricultural Sciences: PFAS treatment technologies for drinking water

Jennifer Martin, EPA Victoria: PFAS risk and remediation considerations at EPA Victoria

Selected poster presentations

📢 Chair



Jochen Mueller Theme Leader, Emerging Environmental Health Risks, Queensland Alliance for Environmental Health Sciences

📢 Speakers



Karl Bowles Technical Director, RPS Group



Jen Martin Principal Health Risk Advisor - Chemicals, EPA Victoria



Lutz Ahrens Senior researcher, Swedish University of Agricultural Sciences (SLU)

8:00am

Registration Desk Open ② 8:00am - 6:00pm, Oct 5 **9** Main Hall

Check-in and Breakfast and Virtual Poster Session ② 8:00am - 9:00am, Oct 5 ♥ Main Hall

9:00am

Microorganisms to Polar Bears: Ecotoxicology and Bioaccumulation of PFAS O 9:00am - 12:30pm, Oct 5

Q Main Hall

Live Broadcast <u>Preview of the Day</u>: Anna Robuck, Icahn School of Medicine at Mount Sinai <u>Host</u>: Environment Canada <u>Chair</u>: Amila DeSilva, Environment and Climate Change Canada <u>Keynote</u>: Rob Letcher, Environment and Climate Change Canada: *PFAS in Wildlife*

Jinxia Liu, McGill University: Precursor biotransformation in biota

Chris Salice, Towson University: Ecotoxicology of PFAS (slides)

Pierre Labadie, Université de Bordeaux: *Aquatic biota accumulation*

Local Master of Ceremony: Anna Robuck, Icahn School of Medicine at Mount Sinai

📢 Moderator



Anna Robuck Postdoctoral Research Fellow, Icahn School of Medicine at Mount Sinai

Keynote Speaker



Robert Letcher Senior Research Scientist / Adjunct Professor, Environment and Climate Change Canada / Carleton University

📢 Chair



Amila De Silva Research Scientist, Environment and Climate Change Canada

📢 Speakers



Jinxia Liu Associate Profesor, McGill University



Chris Salice Professor and Director, Environmental Science and Studies Program, Towson University



Pierre Labadie Researcher, CNRS / Université de Bordeaux

12:30pm

Lunch ② 12:30pm - 2:00pm, Oct 5 ♥ Main Hall, Visitor Center

Networking and posters up for viewing.

2:00pm

Remediation of PFAS- techniques, policies, and cost benefits (re-broadcast) and International Q&A session on Remediation and Novel PFAS
2:00pm - 6:45pm, Oct 5
Main Hall
2:00 - 6:00 PM Recorded broadcast Host: Queensland Alliance for Environmental Health Sciences Chair: Jochen Mueller, Queensland Alliance for Environmental Health Sciences
Jennifer Martin, EPA Victoria: *PFAS risk and remediation considerations at EPA Victoria*Karl Bowles, RPS Group: *PFAS Remediation: what is possible and what is practicable?*Lutz Ahrens, Swedish University of Agricultural Sciences: *PFAS treatment technologies for drinking water*Break

Dicui

Q&A

Selected poster presentations

6:00 - 6:45 PM Live Q&A <u>Virtual Master of Ceremony</u>: Mark Strynar, US EPA

Cash bar and snacks

rd Moderator



Mark Strynar Physical Scientist, US EPA

📢 Chair



Jochen Mueller Theme Leader, Emerging Environmental Health Risks, Queensland Alliance for Environmental Health Sciences

♥ Speakers



Karl Bowles Technical Director, RPS Group



Jen Martin Principal Health Risk Advisor - Chemicals, EPA Victoria



Lutz Ahrens Senior researcher, Swedish University of Agricultural Sciences (SLU)

Wed, Oct 06, 2021

4:00am

Human Health "poster" session short talks 4:00am - 6:20am, Oct 6 **If you are joining the live broadcast via Whova, please be sure to mute yourself upon entering the Zoom call** Live and Local Host: HBM4EU European Union Chairs: Greet Schoeters, VITO and Maria Uhl, Environment Agency Austria Welcome and introduction Presenters: Carmen Freire, CIBER de Epidemiología y Salud Pública: Concentrations of perfluoroalkyl substances in donor breast milk in Southern Spain and their potential determinants

Ann Colles, VITO: Determinants of variability in blood levels of perfluorinated compounds in the Flemish population (Belgium)

Andreas Kaiser, Environment Agency Austria: *Human biomonitoring of per- and polyfluoroalkyl substances and extractable organofluorine (EOF) in human serum and placental tissue*

Lucia Fábelová, Slovak Medical University in Bratislava: *Determinants of prenatal exposure to PFAS in Belgian and Slovak birth cohorts*

Break

Joana Lobo Vicente, European Environment Agency: PFAS HBM-derived indicators

Tony Fletcher, London School of Hygiene & Tropical Medicine: *Exposure to Perfluoalkyl Substances (PFAS) and Mortality for COVID-19: A Spatial Ecological Analysis in the Veneto Region (Italy)*

Martin Forsthuber, Medical University of Vienna: *The antiangiogenic properties of perfluorooctane sulfonate* (*PFOS*) in a 3D co-culture model of primary human cells (HUVECs, NCFs)

Deepika Deepika, Universitat Rovira i Virgili: *Evidence integration about PFAS health effects through experimental studies and modeling techniques*

📢 Presenter



Carmen Freire CIBER de Epidemiología y Salud Pública



Ann Colles VITO



Andreas-Marius Kaiser Doctoral Researcher and Ecotoxicologist, Environment Agency Austria



Lucia Fabelova Slovak Medical University in Bratislava



Joana Lobo Vicente Expert in Chemicals, Environment & Human Health, European Environment Agency



Tony Fletcher LSHTM, London School of Hygiene & Tropical Medicine



Martin Forsthuber Researcher, PhD. Candidate, Medical University of Vienna



DEEPIKA DEEPIKA Marie Curie Early Stage Researcher, Universitat Rovira i Virgili

📢 Chair



Greet Schoeters HBM4EU



Maria Uhl Toxicologist, Head of team Studies & Consulting, Environment Agency Austria

8:00am

Registration Desk Open ② 8:00am - 6:00pm, Oct 6 ♥ Main Hall

Check-in and Breakfast ② 8:00am - 8:45am, Oct 6 **9** Main Hall

8:45am

Human exposure to PFAS, a threat for our health ② 8:45am - 12:30pm, Oct 6 ♥ Main Hall

Live Broadcast <u>Host</u>: HBM4EU European Union <u>Chair</u>: Greet Schoeters, HBM4EU European Union <u>Intro</u>: Maria Uhl, HBM4EU

Philippe Grandjean, Harvard School of Public Health: Developmental health effects of PFASs, recent insights

Eva Govarts, VITO: Human biomonitoring data on PFAS exposure in Europe

Wieneke Bil, RIVM: Use of relative potency factors for mixture risk assessment

Thorhallur Ingi Halldorsson, University of Iceland: Exposure and health effects in EU birth cohorts

K. Jakobsson, University of Gothenburg: *The Ronneby cohort: exposure to perfluorinated compounds in drinking water and health effects* (slides)

Ron Hoogenboom, University of Wageningen: Risk Assessment of PFAS - EFSA opinion

Moderator: Jahred Liddie, Harvard University

📢 Moderator



Jahred Liddie PhD Student, Harvard University



♥ Speakers



Philippe Grandjean HSPH



Ron Hoogenboom Assistant program leader Food Contaminants, Wageningen Food Safety Research; Wageningen University and Research



Eva Govarts Researcher - Biostatistician, VITO



Wieneke Bil wieneke.bil@rivm.nl



Thorhallur Halldorsson Professor, Faculty of Food Science and Nutrition, University of Iceland



Kristina Jakobsson Professor/ Specialized Physician, School of Public Health and Community Medicine, University of Gothenburg



Maria Uhl Toxicologist, Head of team Studies & Consulting, Environment Agency Austria

12:30pm

Lunch ④ 12:30pm - 1:00pm, Oct 6 ♀ Main Hall

1:00pm

PFAS Toxicology and Implications for Human Health
② 1:00pm - 4:00pm, Oct 6
♥ Main Hall
Live from Providence

<u>Chair</u>: Angela Slitt, University of Rhode Island <u>Keynote</u>: Jennifer Schlezinger, Boston University: *In vivo and in vitro tox of PFAS*

Katie Paul-Friedman, US EPA: Toxcast high-throughput screening of PFAS

Carrie McDonough, Stony Brook University: Metabolism and disposition of PFAS

Ayman El-Kattan, University of Rhode Island: How to apply tools to tackle 7,000 PFAS

📢 Keynote Speaker



Jennifer Schlezinger Associate Professor, Boston University School of Public Health

📢 Chair



Angela Slitt Professor, University of Rhode Island

📢 Speakers



Katie Paul Friedman Toxicologist, Center for Computational Toxicology and Exposure, Office of Research and Development, US EPA



Carrie McDonough Assistant Professor, Stony Brook University



Ayman El Kattan Associate Research Fellow, University of Rhode Island

4:30pm

Poster Session ② 4:30pm - 5:30pm, Oct 6 **9** Main Hall, Visitor Center

Cash bar and snacks available

Thu, Oct 07, 2021

8:00am

Registration Desk Open ② 8:00am - 10:00am, Oct 7 ♀ Main Hall

Check-in and Breakfast 3:00am - 8:45am, Oct 7

9:00am

Reflections and Preview, International Question and Answer Session for Toxicology of PFAS ② 9:00am - 9:30am, Oct 7

Q Main Hall

Dr. Angela Slitt, URI and Dr. Carrie McDonough, Stony Brook University available for any remaining questions on toxicology of PFAS.

FLUOROS exit from Dr. Rainer Lohmann, URI

♥ Speakers



Angela Slitt Professor, University of Rhode Island



Rainer Lohmann Professor of Oceanography, University of Rhode Island

9:30am

Poster Awards ② 9:30am - 10:00am, Oct 7 ♥ Main Hall

Chairs: Carrie McDonough and Jitka Becanova

4-\$200 poster prizes will be awarded courtesy of ACS publications and winners will give short presentations.

10:00am

Closing Panel- PFAS in the Arctic: Ocean transport, impacts on community health, and global implications

② 10:00am - 12:30pm, Oct 7 ♥ Main Hall

> Live/Recorded broadcast <u>Chair</u>: Laurel Schaider, Silent Spring Institute

Cora Young, York University: Global distribution of PFAS and mechanisms for its long-range transport

Jon Øyvind Odland, Arctic University of Norway: PFAS in the Arctic and consequences for public health

Vi Waghiyi, Alaska Community Action on Toxics: *Contaminated Without Our Consent: PFAS Threatening Food Security and Health of Our Sivuqaq Yupik People*

📢 Chair



Laurel Schaider Senior Scientist, Silent Spring Institute

📢 Speakers



Cora Young Associate Professor and Rogers Chair in Chemistry, York University



Jon Odland NTNU



Vi Waghiyi Environmental Health and Justice Program Director, Alaska Community Action on Toxics

12:30pm

Conference Closing; White Paper ② 12:30pm - 2:00pm, Oct 7 ♀ Main Hall

Boxed lunches provided; stay to discuss White Paper further.

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