

Swedish Society of Toxicology (SFT) yearly meeting

Theme of 2024:

# Pharmaceuticals in the environment - effects and mitigation

## PROGRAM 12 APRIL

Time	Activity
9:30 - 10:00	Registration
10:00 - 12:00	<b>SFT yearly meeting</b>
12:00-13:00	Lunch
13:00-16:00	<b>Pharmaceuticals in the environment - effects and mitigation</b>
13:00-13:10	Welcome and introduction to the theme 2024
13:10-13:30	<b>Elin Lavonen, BioCell Analytica</b> <i>Effect-based methods in cells – a holistic approach to assess the presence of pharmaceutical residues and other organic micropollutants in water</i>
13:30-14:30	<b>Academic perspectives</b>
13:30-13:50	<b>Daniella Gomez, GU</b> <i>Occurrence of antibiotic resistance in the Göta Älv and associated wastewater treatment plants</i>
13:50-14:10	<b>Thomas Brodin, SLU</b> <i>Ecological effects of pharmaceuticals in the environment, - bridging the gap between lab and field</i>
14:10-14:30	<b>Bethany Carney Almroth, GU</b> <i>Chemical contaminants and additives in recycled plastic pellets from the Global South</i>
14:30 - 15:00	Coffee break, poster presentation
15:00-16:00	<b>Stakeholder perspectives</b>
15:00 - 15:20	<b>Paul Giffen, AstraZeneca</b> <i>Toxicology evaluation of HFO-1234ze(E) - a propellant with near zero global warming potential for use in Metered Dose Inhalers</i>
15:20 - 15:40	<b>Cecilia Berg, Swedish Medical Products Agency</b> <i>Environmental risk assessment of pharmaceuticals – A regulatory perspective</i>
15:40 - 16:00	<b>Bengt Mattson, Lif</b> <i>Characteristics of green pharmaceuticals – and do they exist?</i>
16:00 – 17:00	Wrap-up of the program, poster exhibition, mingle
Evening activities	Dinner, possibility to go wild in the Gothenburg night life

## Our invited speakers:

**Elin Lavonen** holds a Ph.D. in environmental analysis from the Swedish University of Agricultural Sciences. Since completing her doctorate, she has worked at various organizations, including Norrvatten and Stockholm Water and Waste. Since 2021, she has been employed as a water specialist at BioCell Analytica. Additionally, she holds a part-time position as a Professor of Practice in water purification technology at Aalto University in Finland.

**Daniella Gomez** is a PhD student at the department of Biological and Environmental Sciences at the University of Gothenburg. My research focuses on studying the effects and acclimation mechanisms of freshwater microorganisms towards chemical pollutants, and on the spread and establishment of antibiotic resistance in the environment. I study microbial adaptation at both community and individual level, in both lab and field studies, using a combination of phenotypic endpoints, genomic, and transcriptomic tools.

**Bethanie Carney Almroth** is a professor of ecotoxicology at the University of Gothenburg in Sweden. She studies the environmental impacts of plastics, microplastics and chemicals in plastics products. Her research is interdisciplinary and seeks to understand solutions to plastics pollution and sustainable development. She is also a member of the Scientists Coalition for an Effective Plastics Treaty.

**Tomas Brodin** is an aquatic ecologist with a background in evolutionary and behavioral ecology, which he combines in studies of ecological effects of pharmaceuticals in aquatic systems. Since 2018, he is a Professor at the Department of Wildlife, Fish and Environmental Studies at the Swedish University of Agriculture, Umeå.

**Paul Giffen** currently works as a project toxicologist within AZs Respiratory and Inflammation therapy area, also overseeing the non-clinical safety assessment of candidate molecules and novel excipients through all phases of clinical development and including post marketing.

**Cecilia Berg** is a PhD (yr 2000) and docent in ecotoxicology, Uppsala University. She held a postdoctoral position at the EU Commission Joint Research Centre (at the European Chemicals Bureau) in Ispra, Italy. After that Cecilia worked at Uppsala University for 20 years as a principal investigator and leader of a research group in experimental ecotoxicology, and as a teacher in ecotoxicology and toxicology. For the last two years Cecilia works at the Medical Products Agency as a non-clinical assessor.

**Bengt Mattson** works at the Swedish research-based pharmaceutical industry association Läkemedelsindustriföreningen (Lif) as a policy manager. With a strong foundation in the pharmaceutical industry and an extensive experience in corporate and organisational settings, he is a committed sustainability expert who is focused on advancing pharmaceutical sustainable development and accomplishing global sustainability objectives. He holds a master's degree in chemical engineering and a doctorate in polymer chemistry from the Royal Institute of Technology, KTH.