

4th Summer School on Sustainable Pharmacy - Agenda

Monday 22.09:

Regulation and Legal Background

Chair: Mia Sívén

09:00 – 09:30	Welcome, Housekeeping and Logistic	<i>Gerd Maack, Peter Imming</i>	
09:30 – 10:15	Introduction in medicines regulation and regulatory science	<i>Peter Mol, University of Groningen, European Medicines' Agency Amsterdam</i>	Online
10:15 – 10:45	Coffee Break		
10:45 – 11:45	Environmental Risk Assessment during the application	<i>Annika Buck, European Medicines' Agency Amsterdam</i>	Online
11:45 – 12:30	Environmental Aspects of Human Pharmaceuticals	<i>Gerd Maack, German Environment Agency</i>	
12:30 – 13:45	Lunch		

Ethical aspects and Consumer Behaviour

Chair: Peter Imming

14:00 – 15:00	Environmental Problems of and Alternatives for (Poly)fluorinated APIs and Excipients	<i>Michael Müller, University of Freiburg</i>	
15:00 – 16:00	Ethics, Regulation and Incentives: A holistic Approach for more Sustainability in Pharmacy	<i>Benjamin Nguyen, University of Frankfurt</i>	
16:00 – 16:30	Coffee Break		
16:30 – 17:30	Risk management & Consumer behaviour	<i>Gerd Maack, German Environment Agency</i>	
19:00	<p>Pub: Hafenmeister & Docks, Pfälzer Ufer 4, 06108 Halle. hafenmeisterunddocks.de</p> <p>Near tram stop „Ankerstraße“.</p> <p>Return to Tryp Wyndham Hotel: Tram 2, destination „Soltauer Straße“</p>		

Tuesday 23.09:

Sustainability in excipients and APIs

Chair: Christian Wischke

09:00 – 09:30	Sustainability in Pharma - Croda's ingredients and initiatives	<i>Steffen Legewie,</i> Croda Pharma, Düsseldorf	
09:30 – 10:15	Regulations on sustainable packaging with a comparison between packaging material and regulations for food and pharmaceuticals	<i>Anja Laqua,</i> Kuraray Tokio	
10:15 – 10:45	Coffee Break		
10:45 – 11:45	Green and sustainable excipients in pharmaceutical formulations	<i>Dagmar Fischer,</i> University of Erlangen	
11:45– 12:30	Recycled Pharmaceuticals for Research, Education and Monitoring Programs	Markus Heinrich, University of Erlangen	
12:30 – 13:45	Lunch		

Sustainability in Education and Pharmacy in the 18th century

Chair: Peter Imming

13:45 – 14:00	Sustainability in Education and Pharmacy in the 18th century and onward. The Example of the Halle Francke Foundations.	<i>Peter Imming,</i> University of Halle	
15:00 – 17:00	Guided Tour Francke Foundations Franckeplatz 1, 06110 Halle. 8 €/p.P. entrance fee.		
18:00 -	Social Dinner „Krug zum grünen Kranze“		

Wednesday 24.09:

Sustainability in drugs- part 1

Chair: Nhomsai Hagen

09:00 – 09:30	Acceptability of health-only versus climate-and health framings in lifestyle-related climate sensitive health counselling: Results of a randomized survey experiment in Germany	<i>Eva Kantelhardt,</i> University Hospital Halle, Germany	
09:30 – 10:15	Pharmaceutical and chemical aspects of sustainability in drugs	<i>Christian Peifer,</i> University of Kiel, Germany	
10:15 – 10:45	Coffee Break		
10:45 – 11:45	Comprehensive approach to sustainability of pharmaceuticals	<i>Mia Siven,</i> University of Helsinki	
11:45 – 12:30	Metformin: Synthesis, Analysis, Metabolism, Biogradability	<i>Peter Imming,</i> University of Halle	
12:30 – 13:45	Lunch		

Sustainability in drugs- part 2

Chair: Markus Heinrich

13:45 – 15:15	Poster Presentation	3 + 2 minutes each	
15:15 – 16:15	What is Pharmacoepidemiology and how can it contribute to the environment?	<i>Björn Wettermark,</i> University of Uppsala	Online
16:15– 16:45	Coffee Break		
16:45 – 17:45	Poster Session	<i>All</i>	
18:00 -	Social activity: To be announced		

Thursday 25.09:

Sustainable Excipients.

Chair: Karina Witte

09:00 – 09:30	Impacts of micro- and nanoplastics on human health: A snapshot of the current state of research	<i>Lukas Wimmer</i> , University of Vienna	
09:30 – 10:15	Efficient utilization of slaughterhouse By-products: Introducing Keratin as novel excipient for cutaneous application	<i>Adina Eichner</i> , Associated Research Institute for Applied Dermatopharmacy, University of Halle	
10:15 – 10:45	Coffee Break		
10:45 – 11:30	Pharmaceuticals in the Environment: pathway, hotspots, and priorities for action - The global perspective:	<i>Fernando Gaston Iturburu</i> , United Nations Environmental Programme, Geneva	Online
11:30 – 12:30	Aquatic pollution from antibiotics production sites - evaluation of occurrences in wastewater, runoff and water bodies	<i>Tim aus der Beek</i> , IWW Wasserforschung gGmbH, Associated Research Institute, University of Duisburg-Essen	
12:30 – 13:45	Lunch		

Urban Waste Water Treatment Directive

Chair: Michael Müller

13:45 – 14:15	The “Urban Waste Water Treatment Directive”, implication to access to medicines – <i>the Industry Perspective</i>	Elmar Kroth, Pharma Deutschland	Online
14:15 – 14:45	The “Urban Waste Water Treatment Directive”, implication to access to medicines – <i>the Regulatory Perspective</i>	Nathan Obermeier, Gerd Maack German Environment Agency	
14:45 – 15:15	The “Urban Waste Water Treatment Directive”, implication to access to medicines	Panel Discussion	
15:15 – 15:45	Coffee Break		
15:45 – 16:15	Summary of the Summer School 2025 – Announcing the next Summer School	Gerd Maack, Peter Imming, Mia Sivén	
17:30	Social activity: To be announced		



4th Summer School on
Sustainable Pharmacy
22- 25. September 2025 | Halle