



SST Annual Meeting 2025

20 November 2025

Radisson Blu Hotel, Steinentorstrasse 25, Basel (CH)

08:30–09:30		Arrival - poster set-up - coffee / tea
09:30–09:35	Shana Sturla President of the SST	Welcome and introduction; Housekeeping
Keynote Lecture (Chairperson: Shana Sturla)		
09:40–10:25	Hanspeter Nägeli Vet Pharm UZH	DNA Repair Organized Across the 3D Genome
Discrepancies between applied dose and actual dose in <i>in vitro</i> assays (Chairperson: Laura Suter Dick)		
10:30-10:50	Luise Henneberger Helmholtz Centre for Environmental Research	Measuring and Controlling Exposure in Cell-Based Bioassays
10:50-11:10	Kristin Schirmer EAWAG	From measuring fish cell exposure to bioconcentration prediction in fish
11:10-11:40		Coffee break and poster viewing
Smart <i>in vivo</i> Studies, virtual controls and the need of recovery animals (Chairperson: Susanne Mohr)		
11:40-12:00	Richard Currie Syngenta	Improving the quality and value of existing screening studies
12:00-12:20	Youssef Daali HUGs	Virtual Twin Approaches: Use of PBPK in Clinical Settings
12:20:12:40	Gaurav Tyagi F. Hoffmann - La Roche	The need of recovery animals
12:40-14:10		Lunch break and poster viewing
Toxicological Effects of Micro- and Nanoplastics (Chairperson: Alex Odermatt)		
14:10-14:30	Emma Kasteel Utrecht University	Plastic not-so-fantastic? Neurotoxic effects of micro- and nanoplastics <i>in vitro</i>
14:30-14.50	Tina Bürki EMPA	When Nanoparticles disrupt placental signaling, vascular growth is at risk
14:50:15:10	Sara Goncalves EAWAG	Tire particles in biofilms & beyond: indirect effects on primary consumers
15:10-15:40		Coffee break and poster viewing / Removal of posters



Poster Session and Short oral presentations selected from posters (Chairperson: Colette vom Berg, Eawag)

15:40 – 15:55	Hélène Bigonne Laboratory of Toxicology, ETH Zurich	Challenging the standard use of male physiology in next-generation risk assessment: Sex-informed physiologically based kinetic modelling
15:55 – 16:10	Massimo Frangiamone Department of Biomedical Sciences, University of Lausanne	Improving oligodendrocyte maturation in 3D BrainSpheres: Dual optimization via PDGF α supplementation and microglia integration
16:10 - 16:25	Tanya Nandan Novartis Pharma, Basel	AI-Powered Virtual Control Groups: Augmenting Toxicology Analysis

Keynote Lecture 2 (Chairperson: Shana Sturla)

16:30 - 17:15	Peter Wick ETH Zurich	Micro- and Nanoplastics (MNPs): The Knowns and Unknowns
17:20 - 17:50	Laura Suter Dick FHNW	Poster prize awards ceremony
17:50 -18:00	Shana Sturla President of the SST	Closing remarks

18:30

Congress Dinner at the Restaurant of the Radisson Hotel

***The General Assembly 2025 of the SST will be held on
Friday 21 November at 14:30 by Video Conference***