



Schweizerische Gesellschaft für Toxikologie - SGT
Société Suisse de Toxicologie - SST
Swiss Society of Toxicology - SST

SST Annual Meeting 2019

Radisson Blu Hotel, Steinentorstrasse 25, Basel (CH)

Thursday, November 28th, 2019

08:30–09:30 Registration and Poster Set-Up

09:30–09:40 Thomas Weiser
President of SST Welcome and introduction

Shana Sturla (ETH Zurich) introducing the keynote speaker

09:40–10:20 Orlando Schärer
IBS Korea Keynote Address: Repair resistant DNA damage and human disease

Session 1: Alternative methods and first in man trials (Chair: Benoit Schilter, Nestlé, and Silvana Libertini, Novartis)

10:20–10:40 Estelle Marrer-Berger
Roche Assessing the value of new strategies in preclinical and translational safety

10:40–11:00 Jurriaan Mes
Wageningen, NL Food risk-benefit assessment by human intestinal models Caco-2 and organoids

11:00–11:30 Coffee break and poster viewing

Session 2: Micro / Nanoplastics (Chair: Peter Wick, EMPA)

11:30–11:50 Alfonso Lampen
BfR, DE Micro-and nanoplastics in food: oral uptake, toxicology and initial aspects of risk assessment

11:50–12:10 Bernd Nowack
EMPA Modeling the release of microplastics to the environment

12:10–12:30 Ahmed Tlili
EAWAG Microplastic pollution-induced alterations in ecological microbial community structures

12:30–13:30 Lunch

Session 3: SCAHT 10-year anniversary part I (Chair: Martin Wilks and Lothar Aicher, SCAHT)

13:45–13:55 Martin Wilks
SCAHT Ten Years of the Swiss Center for Applied Human Toxicology

13:55–14:15 Alex Odermatt
SCAHT / Uni Basel Azole fungicide-induced hypertension and hypokalemia

14:15–14:35 Serge Nef
SCAHT / Uni Geneva Poor semen quality in Switzerland – link to environmental exposures?

14:35–14:55 Laura Suter-Dick
FHNW Drug-induced liver fibrosis

15:00–15:30 Coffee break



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Thursday, November 28th, 2019 (continued)

Session 4: SCAHT 10-year anniversary part II (Chair: Martin Wilks, SCAHT)

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| 15:30-16:00 | Maurice Whelan
JRC | Keynote lecture: Regulatory toxicology in the 21 st century |
| 16:00-16:20 | David Pamies
SCAHT / Uni Lausanne | Quantitative evaluation of Key Event Relationships in AOPs |
| 16:20-16:40 | Serge Rudaz
SCAHT / Uni Geneva | Metabolomics approaches in toxicology |

16:45-17:45 Poster session & Apéro

18:00-19:00 General Assembly of the SST (All members of SST)

Dinner - Restaurant Löwenzorn, Gemsberg 2/4, 4051 Basel

Friday, November 29th, 2019

Session 5: Blood Brain Barrier models for drug and chemical safety assessment (Chair: Laura Suter-Dick, FHNW)

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| 09:00-09:20 | Maxime Culot
University of Artois, FR | Application of stem cell derived in vitro blood brain barrier models in toxicology |
| 09:20-09:40 | Adrien Roux
Hepia, CH | Implementation of a perfusion system on Human BBB toxicity platform |
| 09:40-10:00 | Nienke Wevers
Mimetas, NL | BBB on-a-chip: a 3D <i>in vitro</i> model of the human blood brain barrier |

10:00-10:30 Coffee break

Session 6: Short oral presentations selected from poster session (Chair: Colette vom Berg, EAWAG)

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| 10:30-10:40 | Rita Saleh
ETH Zurich | Addressing chemophobia: informational versus affect-based appeals |
| 10:40-10:50 | Fabrice A. Müller
ETH Zurich | <i>In vitro</i> and <i>in silico</i> testing strategies for predicting human liver toxicity from foodborne chemicals |
| 10:50-11:00 | Claudia Hempt
EMPA | Implementation of a mucus containing advanced in vitro model of the human intestinal barrier for a more predictive safety evaluation of food grade nanomaterials |
| 11:00-11:10 | Miljenko Panajatovic
University of Basel | Role of PGC-1 α associated mitochondrial biogenesis in statin-induced myotoxicity |
| 11:10-11:15 | Colette vom Berg | Poster Prize Award Announcement |
| Hailey Gahlon (ETH Zurich) introducing the keynote speaker | | |
| 11:15-11:55 | Muriel Cuendet
University of Geneva | Keynote Address: Cancer chemoprevention: where do we stand? |
| 11:55-12:00 | Shana Sturla
Vice President of SST /
Meeting Organizer | Closing remarks, acknowledgements and adjourn |