

**Thursday morning, December 12<sup>th</sup>, 2019**

**60 years of 3Rs principles, 20 years after their revival and now**

09:00 09:05	<b>WELCOME</b>	SGV President
		<i>Chairpersons:</i>
09:05- 09:50	<b>Keynote Lecture</b> Recovering The Principles of Humane Experimental Technique: The 3Rs and the Human Essence of Animal Research	RGW Kirk (University of Manchester, UK)
	<b>REFINEMENT</b> Handling	<i>Chairpersons:</i>
09:50 10:30	SGV Awardee in "REFINEMENT": non-aversive handling	J. Hurst (University of Liverpool, UK)
10:30- 10:55	Handling method alters the hedonic value of reward in laboratory mice	J.M. Clarkson (Newcastle University, UK)

COFFEE BREAK- INDUSTRIAL EXHIBITION (30 min)

	Anesthesia	<i>Chairpersons:</i>
11:25 12:00	Exposure of developing brain to general anesthesia: what is animal evidence (mice, rats, guinea pigs, NHP)?	V. Todorovic (University of Colorado, USA)
12:00 12:30	Severity classification of repeated isoflurane and xyl/ket anesthesia in C57BL/6JRj mice: Assessing the degree of distress	K. Hohlbaum (Freie Universität Berlin, D)
12:30 13:00	Evaluation of anaesthetic protocols for laboratory fish.	L. Antunes (University Vila Real, PT)

LUNCH- INDUSTRIAL EXHIBITION (1h15)

**Thursday afternoon, December 12<sup>th</sup>, 2019**

	Analgesia and Euthanasia	<i>Chairpersons:</i>
14:15 15:15	Keynote lecture: Modulation of social behavior and dominance status by chronic pain in mice	J. Mogil (McGill University, Canada)
15:15 15:35	Sustained-Release buprenorphine	V. Schreiner (University Basel, CH)

COFFEE BREAK- INDUSTRIAL EXHIBITION (30 min)

16:05 16:35	E-learning modules on anesthesia, euthanasia (...), how they contribute to refinement of animal experiments.	P. Flecknell (Newcastle University, UK)
16:35 17:00	Happy sheep make happy surgeons, scientists and vets.	S. Zeiter (AO Foundation, CH) C. Berset (University of Zürich, CH)
17:00 17:20	Improving intravenous injection in black mice	J. Messer (Roche Pharma Research & Early Development, CH)

This course is accredited as continuing education in Switzerland for experimenters and study directors.

Thursday 12<sup>th</sup> of December 2019: SGV General Assembly at 18:00

**Apero offered for every participant by the SGV and Industry 17:20**

Friday morning, December 13<sup>th</sup>, 2019

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09:00 09:05	<b>WELCOME</b>	SGV President
	<b>REDUCTION</b>	<i>Chairpersons:</i>
9:05 9:45	SGV 2019 Awardee in "REDUCTION": Systematic variation (heterogenization) rather than more rigorous standardization is needed to improve reproducibility + EQIPD	Hanno Würbel (University of Bern, CH)
9:45 10:25	Sex bias and change management (40 minutes okay)	N. Karp (Astrazeneca, UK)
10:25 10:40	Center for Reproducible Science	L. Held (University of Zürich, CH)

COFFEE BREAK- INDUSTRIAL EXHIBITION (40 min)

		<i>Chairpersons:</i>
11:20 11:50	Endogenous Enterobacteriaceae underlie variation in susceptibility to Salmonella infection	E. Velazquez (University California at Davis, USA)
11:50 12:20	How to reduce animal production in our breeding facilities? (how to change genetic background w/o backcrossing)	P.Pelczar (University of Basel)
	<b>EUTHANASIA</b>	<i>Chairpersons:</i>
12:20 12:50	What's new in Switzerland (legal, welfare, networks, ...)	SGV President, AWO network (CH)

LUNCH- INDUSTRIAL EXHIBITION (1h00)

Friday afternoon, December 13<sup>th</sup>, 2019

	<b>REPLACEMENT</b>	<i>Chairpersons:</i>
13:50 14:30	SGV 2019 Awardee in "REPLACEMENT":	TBD (CH)
14:30 15:00	Replacing animals in models of neurodegeneration.	G. Tyzack (The Francis Crick Institute, UK)
15:00 15:30	Short-term 3D culture systems of various complexity for treatment optimization colorectal carcinoma	P. Nowak_Sliwinska (University of Geneva, CH)
15:30 16:00	Fetal Bovine Serum-Past-Present-Future (+ website 260 cell lines culture medium)	Jan Van der Valk (3Rs-Centre ULS, NL)

COFFEE BREAK- INDUSTRIAL EXHIBITION (30 min)

		<i>Chairpersons:</i>
16:30 17:00	Intersection of human-animal interaction and animal welfare. «Animal welfare meets people welfare» Compassion Fatigue	M. LaFollette (University of Purdue, USA)
17:00 17:30	Transparency communication in animal experimentation: the launch of concordat for openness	SGV/FfL
5 min	Take home message	SGV President

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