

Tuesday morning, September 13th, 2016
Reproducibility in animal research: the 4th “R”

09:00 09:05	WELCOME	SGV President
		<i>Chairpersons:</i>
9:05- 10:05	10% of the time it works every time”. Recognizing sloppy science.	CG Begley (Akrivia Therapeutics, USA)
10:05 - 10:30	The importance of replication studies	E. Iorns (ScienceExchange, USA)

COFFEE BREAK- INDUSTRIAL EXHIBITION (40 min)

	How can we improve reproducibility?	<i>Chairpersons:</i>
11:10 11:30	The MULTI-PART initiative	M. MacLeod (University of Edingburgh, UK)
11:30 12:00	NC3Rs resources to improve the design and reporting of animal studies: the ARRIVE guidelines and the Experimental Design Assistant	N. Percie du Sert (Nc3Rs; UK)
12:00 12:25	Evaluation of the scientific validity of animal experiments in Switzerland	Hanno Würbel (University of Bern, CH)

LUNCH- INDUSTRIAL EXHIBITION (1h10)

Tuesday afternoon, September 13th, 2016

	How to improve reproducibility?	<i>Chairpersons:</i>
13:35 14:20	How to design an animal experiment?	M. Berdoy (Oxford University; NC3Rs Experimental Design Working Group)
14:20 15:05	SGV AWARDEE LECTURE 2016 Risk of Bias in Reports of In Vivo Research: A Focus for Improvement	M. MacLeod (University of Edingburgh, UK)
15:05 15:35	Improving basic and translational science by accounting for litter-to-litter variation in animal models (what is “N”?)	S. Lazic (AstraZeneca, UK)
15:35 16:10	Sex, replicates and reproducibility : lessons learned from licenses to perform animal experiments.	F. Schütz, (University Lausanne, CH)

COFFEE BREAK- INDUSTRIAL EXHIBITION (35 min)

	Reproducibility initiatives: other examples	<i>Chairpersons:</i>
16:45 17:10	Know Thy Cells (and Antibodies): Improving Biomedical Research Reproducibility	L. Freedman (Global Biological Standards Institute®, USA)
17:10 17:35	Is method reporting a major culprit underlying the reproducibility crisis? (animal models of colitis)	S. Cruickshank (University of Manchester, UK)

This course is accredited as continuing education in Switzerland for experimenters and study directors in animal experimentation.
Tuesday 13th September 2016: SGV General Assembly at 18:00
Gala Dinner at 20:00

Wednesday morning, September 14th, 2016
The other "Rs": Reduce-Refine-Replace

09:00 09:05	WELCOME	SGV President
	Invertebrates in Replacement	<i>Chairpersons:</i>
9.05- 9:35	Future Swiss 3R Competence Center	C. Leumann (University Bern, CH)
09:35- 10:05	The adult <i>Drosophila</i> midgut as a model system to identify conserved features of intestinal hyperplasia.	J. Cordero (University of Glasgow, UK)
10:05 10:35	<i>Drosophila</i> as a model organism for neurodegenerative diseases.	A. Voigt (Aachen University, D)
10:35 11:00	Development and validation of a microfluidic device for high-throughput toxicity assays in <i>C. Elegans</i>	L. Mouchiroud (EPFL, CH; SGV 25 th Fund)

COFFEE BREAK- INDUSTRIAL EXHIBITION (40 min)

	Cell culture models	<i>Chairpersons:</i>
11:40 12:10	Label-free magnetic additive biomanufacturing technologies to isolate, sort circulating tumor cells, and microemboli	U. Demirci (Stanford University, USA)
12:10 12:40	Ex vivo engineered immune organoids	A. Singh (Cornell University, USA)
12:40 13:10	Metastasis-on-a-Chip	A. Skardal (Wake Forest School of Medicine, USA)

LUNCH- INDUSTRIAL EXHIBITION (1h10)

Wednesday afternoon, September 14th, 2016

	CRISPR/CAS9 editing	<i>Chairpersons:</i>
14:20 15:00	CRISPR-Cas systems for editing, regulating and targeting genomes (advantage/disadvantage with the other transgenic methods)	P. Pelczar (University of Basel, CH)
		<i>Chairpersons:</i>
15:00 16:00	CRISPR and the 3 Rs of Animal Research	C. Neuhaus (New York University, USA)

COFFEE BREAK- INDUSTRIAL EXHIBITION (35 min)

	Short Communications	<i>Chairpersons:</i>
16:35 16:55	AniMatch – An innovative web-based platform to share organs and tissues to sustainably reduce lab animal usage	A. Lang (Berlin, D)
16:55 17:15	Sharing resources to accelerate research into ageing (Biorepository; www.sharmuk.org)	I. Bellantuono (University of Sheffield UK)
17:15 17:25	Highlights of the meeting	B. Ledermann (SGV President, CH)

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