

**Saturday 17<sup>th</sup> September – Tuesday 20<sup>th</sup> September 2022**  
**Scandic Marina Congress Centre, Helsinki**

**Preliminary Programme**

**Saturday 17<sup>th</sup> September 2022**


<b>Opening Session</b>	
08.00-17.30	Exhibition & Poster Build
09.00-13.00	Pre-meeting workshop: <b>Engineered Allele Validation Workshop</b>
15.00-18.30	Registration
17.45-18.00	<b>Welcome Address</b>
18.00-19.00	<b>Keynote Lecture: Translational insights into vascular growth factors</b> <i>Kari Alitalo, University of Helsinki, Finland</i>
19.00-21.00	<b>Welcome Reception &amp; Opening of Exhibition &amp; Posters</b> 

**Sunday 18th September 2022**

08.00-17.30	Registration, Exhibition & Posters Open
09.00-10.30	<b>Session 1: Animal Models: From Bench to Bedside</b>
09.00-09.30	<b>NEPTUNE (Neural plate targeting with in utero nano-injection): a method for rapid genetic manipulation of gene expression in embryonic nervous system to reduce the numbers of mice used in research</b> <i>Emma Andersson, Karolinska Institute, Stockholm, Sweden</i>
09.30-10.00	<b>The Role of Oxidative Stress and Antioxidants in Cancer Progression and Metastasis</b> <i>Martin Bergö, Karolinska Institutet, Halland, Sweden</i>
10.00-10.30	Oral Presentations
10.30-11.00	Posters and Exhibition
11.00-12.30	<b>Session 2: Advances of In Vivo Genome Editing</b>
11.00-11.30	<b>Establishing the AID Degron System in Transgenic Mice</b> <i>Philip W Jordan, Johns Hopkins University, Baltimore, USA</i>
11.30-12.30	<b>Quality control requirements for Cas9-derived animals</b> <i>Moderator: Lydia Teboul, Mary Lyon Centre at MRC Harwell, UK</i> <i>Experts: Sören Warming, Genentech, San Francisco, CA, USA</i> <i>Lauryl Nutter, SickKids, Toronto, Canada</i>
12.30-13.30	Lunch, Posters & Exhibition 

12.45-13.15	Charles River Lunchtime Symposium ( <i>lunch can be taken into room</i> )	
13.30-13.50	<b>Session 3: Poster Flash Presentations</b>	
13.50-15.00	<b>Session 4: Animal Ethics and 3Rs</b>	
13.50-14.10	<b>Murphy meets ‘Go’: The intricacies of planning complex breedings</b> <i>Thorsten Buch, University of Zurich, Switzerland</i>	
14.10-14.30	<b>Ethically acceptable and scientifically valid use of animals in research - beyond the Three Rs</b> <i>Vootele Voikar, Helsinki Institute of Life, Finland</i>	
14.30-15.00	3Rs Prize selected from Abstracts	
15.00-15.30	Posters & Exhibition	
15.30-17.00	<b>Session 5: Cancer</b>	
15.30-16.00	<b>Understanding the function of developmental transcription factors during cancer stem cell formation and metastasis</b> <i>Jihal Osborne, UT Southwestern Medical Center, Texas, USA</i>	
16.00-16.30	<b>Mouse models in deciphering the roles of extracellular matrix in cancer</b> <i>Ritva Heljäsvaara, University of Oulu, Finland</i>	
16.30-16.45	Oral Presentation	
16.45-17.15	Posters & Exhibition	
17.15-18.30	<b>Session 6: ISTT Prize Lectures</b> <i>Elizabeth Lacy, Sloan Kettering Institute, New York, USA</i> <i>Frank Costantini, Columbia University, New York, USA</i>	
<b>Evening free for Networking</b>		

## Monday 19<sup>th</sup> September 2022

08.00-16.00	Registration, Exhibition & Posters Open	
09.00-10.30	<b>Session 7: Non-Mammalian Models</b>	
09.00-09.30	<b>Drosophila Transgenetics for Studying Mitochondrial Function and Dysfunction</b> <i>Howy Jacobs, University of Tampere, Finland</i>	
09.30-10.00	<b>Tissue-specific transgenesis in non-vertebrate chordate models: the case study of <i>Ciona robusta</i></b> <i>Annamaria Locascio, Stazione Zoologica Anton Dohrn, Napoli, Italy</i>	
10.00-10.30	Oral Presentations	
10.30-11.00	Posters & Exhibition	
11.00-11.20	<b>Session 8: Animal Ethics and 3Rs</b>	
	<i>Panel Discussion</i> Petra Sipilä - <a href="mailto:mipela@utu.fi">mipela@utu.fi</a> University of Turku, Finland Vice director of Turku Center for Disease Modeling	
	Benjamin Low - <a href="mailto:Benjamin.Low@jax.org">Benjamin.Low@jax.org</a> Jackson Laboratory Lab manager at the Technology Development group	
	Pawel Pelczar - <a href="mailto:pawel.pelczar@unibas.ch">pawel.pelczar@unibas.ch</a> Biozentrum, Basel, Switzerland Head of Centre for Transgenic Models	
	Natalia Moncaut - <a href="mailto:natalia.moncaut@cruk.manchester.ac.uk">natalia.moncaut@cruk.manchester.ac.uk</a> Cancer Research UK Manchester Institute, UK Head of Genome Editing and Mouse Models	
12.20-14.00	Lunch, Posters Presentations I (Odd Numbers) & Exhibition	
12.45-13.45	Merck Lunchtime Symposium ( <i>lunch can be taken into room</i> )	
14.00-15.30	<b>Session 9: Neuroscience</b>	
14.00-14.30	<b>Targeting 3'UTR to modulate gene expression provides new insight into etiology and treatment of schizophrenia</b> <i>Jaan-Olle Andressoo, University of Helsinki, Finland</i>	
14.30-15.00	<b>Title to be Confirmed</b> <i>Tarja Malm, University of Eastern Finland Finland</i>	
15.00-15.30	Oral Presentations	
15.30-16.00	Posters & Exhibition	
16.00-16.45	<b>Orbis Pictus Lecture</b>	

**Illuminating the brain's choroid plexus – CSF system**

*Maria Lehtinen, Boston Children's Hospital, USA*

16.45-18.15 **ISTT General Assembly**

19.30-23.00 Conference Dinner (*included in registration free, but must be pre-booked*)



## Tuesday 20<sup>th</sup> September 2022

08.00-17.30	Registration, Exhibition & Posters Open (exhibition closes after lunch)	
09.00-10.30	<b>Session 10: Large Animal Transgenesis</b>	
09.00-09.30	<b>Generation of Transgenic Marmosets as Non-human Primate Models for Brain Disorders and Neuroscience Research</b> <i>Qiangge Zhang, MIT, Massachusetts, USA</i>	
09.30-10.00	<b>From Egg to Chicken: Novel Ways in Livestock Using Genome Editing</b> <i>Benjamin Schusser, Technical University Munich, Germany</i>	
10.00-10.30	Oral Presentations	
10.30-11.00	Posters & Exhibition	
11.00-12.00	<b>Session 11: Emerging Technologies</b>	
11.00-11.30	<b>SCON Conditional Intron for Conditional Knockout and Confetti to Mosaic Genetics Tool</b> <i>Bon-Kyoung Koo, Institute of Molecular Biotechnology, Vienna, Austria</i>	
11.30-12.00	Oral Presentations	
12.00-13.30	Lunch, Posters Presentations II (Even Numbers) Exhibition closes after lunch	
13.30-14.00	<b>Session 12: ISTT Young Investigator Award</b> <i>Davide Seruggia, St Anna Children's Cancer Research Institute, Vienna</i>	
14.00-14.55	<b>Session 13: The EMBO Keynote Lecture: Mice with humanised genes, to model neurodegeneration: amyotrophic lateral sclerosis</b> <i>Elizabeth Fisher</i>	
14.55-15.15	<b>Awards, Presentation on TT2023 and Closing Remarks</b>	