

Sydney	Japan	US Pacific	US Eastern	CET	Israel	
00:00-04:45	22:00-02:45	6:00-10:45	9:00-13:45	14:00-18:45	15:00-19:45	Monday, 26 OCTOBER
0:00-00:15	22:00-22:15	6:00-6:15	9:00-9:15	14:00-14:15	15:00-15:15	Opening Address TT2020-Virtual
0:15	22:15	6:15	9:15	14:15	15:15-16:30	<p>Session 1: Panel Discussion - Animal Models: From Bench to Bedside. Moderators, Karen Avraham, Jan Parker-Thornburg</p> <p>Paula Rio, Gene Therapy for Fanconi anemia: From the lab to the clinic</p> <p>Eithan Galun, Bench to bedside or bedside to bench: From a finding to a problem or a problem to a finding</p> <p>Aris Economides, Inhibition of Activin A by a monoclonal antibody as a disease-modifying therapy for fibrodysplasia ossificans progressiva (FOP)</p> <p>Tom Wishart, How should we model neurodegenerative conditions? Using livestock to bridge the translational gap.</p> <p>Panel Discussion</p>
1:30	23:30	7:30	10:30	15:30	16:30-16:45	BREAK
1:45	23:45	7:45	10:45	15:45	16:45-18:20	<p>Session 2: Epigenetics Chair: Janet Rossant</p> <p>Keynote: HOWARD CEDAR (including Q&A), Remote control of gene expression by DNA methylation</p> <p>Wei Li, Balancing embryonic development through "imbalance"</p> <p>Eran Meshorer, NFIX, which is differentially methylated between modern and archaic humans, regulates vocalization in mice</p> <p>Yonatan Stelzer, Modeling mouse gastrulation at single embryo and single-cell resolution</p> <p>Nissim Benvenisty, Defining Human Pluripotency and Gastrulation Utilizing Genome Wide Screening in Haploid Embryonic Stem Cells</p> <p>Q&A</p>
3:20	1:20	9:20	12:20	17:20	18:20-18:35	BREAK
3:35	1:35	9:35	12:35	17:35	18:35-19:20	<p>ISTT Prize Presentation and Lecture- sponsored by Genoway</p> <p>Wojtek Auerbach ISTT Prize Presentation</p> <p>ALEXANDRA JOYNER (ISTT Prize Recipient), Genetic exploration of neural stem cell self-renewal and plasticity</p>
3:20	1:20	9:20	13:30	17:20	18:20-19:20	Social hour, chat with ISTT Prize winner, breakout social rooms
Sydney	Japan	US Pacific	US Eastern	CET	Israel	
00:00-04:00	22:00-02:00	6:00-10:00	9:00-13:00	14:00-18:00	15:00-19:00	Tuesday, 27 OCTOBER
0:00	22:00	6:00	9:00	14:00	15:00-16:00	<p>Session 3: CONCURRENT SESSIONS - LARGE ANIMAL TRANSGENESIS AND NON-MAMMALIAN TRANSGENESIS</p> <p>Session 3A: Large Animal Transgenesis Chair: Bruce Whitelaw</p> <p>Jun Wu, Derivation of intermediate pluripotent stem cells amenable to primordial germ cell specification</p> <p>Hui Yang, Interspecies blastocyst complementation generates functional rat cell-reconstituted forebrain in mice</p> <p>Alison Van Eenennaam, Agricultural animal transgenesis for food applications</p> <p>Buzzel Nathan, Transgenic goats expressing high levels of recombinant Trastuzumab in milk over multiple generations</p> <p>Q&A</p>
0:00	22:00	6:00	9:00	14:00	15:00-16:00	<p>Session 3B: Non-mammalian Transgenesis Chair Richard Behringer</p> <p>Claude Desplan, Manipulating aging</p> <p>Swathi Arur, Transgenic and CRISPR analysis in C. elegans</p> <p>Tessa Montague, The neural basis of cuttlefish camouflage</p> <p>Timothy Corbin, Development of methodologies for the generation of genetically modified snails, Pomacea canaliculata (Gastropoda, Ampullariidae), a novel, non-mammalian research organism.</p> <p>Q&A</p>
1:00	23:00	7:00	10:00	15:00	16:00-16:15	BREAK
1:15	23:15	7:15	10:15	15:15	16:15-17:15	<p>Session 4: Panel Discussion - Ethics of Gene Editing in Animals Chair: Lluís Montoliu</p> <p>Lluís Montoliu, Some ethical considerations of genome editing techniques for the generation of mutant mice</p> <p>Kirk Leech, Animal Research: Time to talk!</p> <p>Andy Greenfield, Genome editing and farmed animals: ethical considerations</p> <p>Panel Discussion</p>
2:15	0:15	8:15	11:15	16:15	17:15-17:20	BREAK
2:20	0:20	8:20	11:20	16:20	17:20-18:20	Poster Session 1
3:20	1:20	9:20	12:20	17:20	18:20-19:00	SOCIAL HOUR, BREAKOUT SOCIAL ROOMS

Sydney	Japan	US Pacific	US Eastern	CET	Israel	
00:00-05:00	22:00-03:00	6:00-11:00	9:00-14:00	14:00-19:00	15:00-20:00	Wednesday, 28 OCTOBER
0:00	22:00	6:00	9:00	14:00	15:00-16:00	ISTT General Assembly
1:00	23:00	7:00	10:00	15:00	16:00-16:15	BREAK
1:15	23:15	7:15	10:15	15:15	16:15-17:15	Session 5: Germ Cells, iPS and Trophoblast cells Chair: Yonatan Stelzer Nicolas Rivron, Blastoids: modeling blastocyst development and implantation solely from stem cells. Nitzan Gonen, Testis formation in XX individuals resulting from novel pathogenic variants in Wilms' tumor 1 (WT1) gene Yossi Buganim, Comparative Parallel Multi-Omics Analysis of Cell Undergoing Reprogramming to Pluripotent and Trophectoderm States Q&A ORBIS PICTUS PRESENTATION - sponsored by the Czech Centre for Phenogenomics, Radislav Sedlacek ORBIS PICTUS Lecture ELIZABETH HILLMAN, Visualizing in-vivo systems at the speed of life
2:15	0:15	8:15	11:15	16:15	17:15-17:50	BREAK
2:50	0:50	8:50	11:50	16:50	17:50-18:00	BREAK
3:00	1:00	9:00	12:00	17:00	18:00-19:00	Poster Session 2
4:00	2:00	10:00	13:00	18:00	19:00-20:00	Session 6: Roundtable - Running a Transgenic Unit Chair: Peter Hohenstein Ben Davies Lisbeth Ahm Hansen Karen Brennan Philip Damiani
5:00	3:00	11:00	14:00	19:00	20:00-20:45	Social hour, breakout social rooms

Sydney	Japan	US Pacific	US Eastern	CET	Israel	
00:00-04:30	22:00-02:30	6:00-10:30	9:00-13:30	14:00-18:30	15:00-19:30	Thursday, 29 OCTOBER
0:00	22:00	6:00	9:00	14:00	15:00-15:45	Session 7: 3Rs Chair: Branko Zevnik Ivo Huijbers, Rapid generation of versatile cancer models with minimal breeding effort. Sara Wells, Refining Phenotyping for Refined GA strains. 3Rs Prize -sponsored by Janvier Labs, Lydia Teboul, Evolving the generation by genome editing of complex alleles and their validation Q&A
0:45	22:45	6:45	9:45	14:45	16:45	Young Investigator Award Presentation, by Benoit Kanzler. This activity is supported by an independent medical education grant from Regeneron Pharmaceuticals, Inc.
0:45	22:45	6:45	9:45	14:45	15:45-16:05	Young Investigator Awardee - Hiromi Miura, Evolving the generation by genome editing of complex alleles and their validation
1:05	23:05	7:05	10:05	15:05	16:05-16:20	BREAK
1:20	23:20	7:20	10:20	15:20	16:20-17:20	Session 8: Emerging Technologies Chair: Soren Warming Kimberly Cooper, CRISPR/Cas9-mediated super-Mendelian inheritance to facilitate study of genetically complex traits Stephan Rosshart, Born to be wild - utilizing the common link among mammals to create better translational research models Daniel Schramek, In vivo CRISPR technology to rapidly screen function of hundreds of genes within a single mouse Jessica Woodley - Sponsored talk, IDT, Improved methods for CRISPR HDR using Alt-R modified dsDNA donors and Alt-R HDR Enhancer V2 Q&A
2:20	0:20	8:20	11:20	16:20	17:20-17:35	BREAK
2:35	0:35	8:35	11:35	16:35	17:35-18:05	Session 9: Animal models for COVID-19 Research Chair: Lauryl Nutter Sander Herfst, TBA Benjamin tenOever, Using the hamster model to better understand and treat SARS-CoV-2 Q&A
					18:05-1815	POSTER PRIZE AWARDS -Sponsored by Charles River, by Christopher Dowdy
3:05	1:05	9:05	12:05	17:05	18:15-18:35	BREAK
3:35	1:35	9:35	12:35	17:35	18:35-19:10	EMBO KEYNOTE LECTURE : JANET ROSSANT, Dynamics of early development- from embryos to stem cells
4:10	2:10	10:10	13:10	18:10	19:10-19:30	Concluding remarks, TT2022 presentation by Ernst-Martin Fuechtbauer, Peter Hohenstein