

# TT2008 MEETING PROGRAM

## MONDAY OCTOBER 27, 2008

- 8:30 – 10:30 Registration. Pickup name badges & conference materials. Poster set-up. Coffee
- 10:30 – 11:00 **Welcome address – Andras Nagy, Lluís Montoliu & Kristina Vintersten**
- 11:00 – 11:30 **Memoriam – Anne McLaren & Charles Babinet**

### Session I: Stem cells and early embryos

**Chair: Brigid Hogan**

- 11:30 – 12:00 **Janet Rossant** *Functional exploration of the mouse genome*
- 12:00 – 12:30 **Davor Solter** *Gene expression during the mammalian oocyte to embryo transition*
- 12:30 – 13:00 **Andrzej Tarkowski** *Mouse chimeras – past and present*  
**Andras Nagy**
- 13:00 – 13:30 **Derek van der Kooy** *Using transgenics to discover the in vivo source and migration of somatic stem cells*
- 13:30 – 14:45 Lunch

### Session II: The ISTT Prize on Transgenic Technologies, sponsored by genOway

**Chair: Lluís Montoliu**

- 14:45 – 15:00 **Lluís Montoliu** *Presentation of the ISTT prize winner*
- 15:00 – 15:45 **Brigid Hogan** *Lung development and repair: insights from transgenic mice*
- 16:00 Social get-together with snacks
- 17:00 – 19:00 Poster session

## TUESDAY OCTOBER 28, 2008

- 8:00 – 9:00 Breakfast

### Session III: Basic techniques

**Chair: Robin-Lovell-Badge**

- 9:00 – 9:20 **Elizabeth Williams** *Murine embryo transfer, vasectomy and cesarean*

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9:20 – 9:40	<b>Sagrario Ortega</b>	<i>ES cell culture and derivation</i>
9:40 – 10:00	<b>Johannes Wilbertz</b>	<i>DNA and ES-Cell Injection</i>
10:00 – 10:20	<b>Lluis Montoliu</b>	<i>Artificial chromosome-type transgenes</i>
10:20 – 10:50	Roundtable discussions	
11:00 – 11:30	Coffee break	

### Session IV: Running a transgenic unit Chair: Boris Jerchow

11:30 – 11:50	<b>Caiying Guo</b>	<i>The operation of the Gene Targeting and Transgenic Facility at HHMI, Janelia Farm Research Campus</i>
11:50 – 12:10	<b>Marina Gertsenstein</b>	<i>The Transgenic Core and Specialty Resources at the Toronto Centre for Phenogenomics</i>
12:10 – 12:30	<b>Elizabeth Williams</b>	<i>Running a transgenic unit</i>
12:30 – 13:00	Roundtable discussions	
13:00 – 14:00	Lunch	

### Session V: High-throughput production of mutant mice Chair: Philippe Soriano

14:00 – 14:30	<b>Geoff Hicks</b>	<i>NorCOMM: High throughput mammalian functional analysis for the discovery of novel determinants of human disease</i>
14:30 – 15:00	<b>Ann Flenniken</b>	<i>Using ENU mutagenesis and high-throughput phenotyping methodologies to create mouse models of human disease</i>
15:00 – 15:30	<b>Elizabeth Simpson</b>	<i>Pleiades Promoter Project: new tools for promoter and expression analysis employing knock-ins at Hprt1</i>
		<u>Selected Oral Presentations</u>
15:30 – 15:45	<b>Caiying Guo</b>	<i>ES Cell Targeting Efficiency With Constructs Made by the Recombineering Method</i>
15:45 – 16:00	<b>Thomas Saunders</b>	<i>Integration, Expression, and Efficiency in Mouse Bacterial Artificial Chromosome Transgenesis</i>
16:00 -16:30	Coffee break	

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## Session VI: Cutting edge transgenic technologies

Chair: Johannes Wilbertz

- 16:30 – 17:00    **Robin Lovell-Badge**    *Transgenic technology and stem cell research*
- 17:00 – 17:30    **Philippe Soriano**    *PDGF signaling controls multiple steroid producing lineages*
- 17:30 – 18:00    **Gordon Keller**    *Lineage specific differentiation of embryonic stem cells*
- 18:00 – 18:30    **Andras Nagy**    *Obtaining full control of transgene activation and inactivation*
- 18:30 – 19:30    ISTT General Assembly – 3<sup>rd</sup> Floor Terrace Room
- 20:00            Conference Gala dinner

## WEDNESDAY OCTOBER 29, 2008

- 8:00 – 9:00      Breakfast

## Session VII: Phenotyping

Chair: Elizabeth Simpson

- 9:00 – 9:30      **Mark Henkelman**    *Imaging for mouse phenotyping*
- 9:30 – 10:00    **Lee Adamson**    *Evaluation of cardiovascular phenotypes in mice*
- 10:00 – 10:30    **Colin McKerlie**    *The Toronto Centre for Phenogemonics: Innovation in facility design, equipment, technologies and research services to enable the best transgenic science*

### Selected Oral Presentations

- 10:30 – 10:45    **Junji Takeda**    *Comprehensive production of bi-allelically mutated ES cell bank*
- 10:45 – 11:00    **Simon Pierre Demers**    *In vivo and in vitro multipotency of transgenic rat embryonic stem like (ES-like) cells: Another step closer to knockout rats?*
- 11:00 – 11:30    Coffee break

## Closing Session

Chair: Lluís Montoliu

- 11:30 – 11:45    **Tom Fielder**    *Transgenic facilities survey*

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- 11:45 – 12:00    **Boris Jerchow**            *Introduction of TT2010*
- 12:00 – 12:30    **TT2008 organizers**            *ISTT Travel awards, Poster award, vendor show lottery and closing remarks*
- 12:30 – 13:30    Lunch
- 13:30 – 15:00    **TCA course introduction**  
**Andras Nagy**            *Tetraploid complementation assay - the theory*
- 16:00 – 18:00    **MGI bioinformatics workshop**  
**Sue McClatchy (Jackson Laboratory)**