

## **Program**

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**Wednesday May 17**

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**8.00 – 9.30            Registration for all Participants**

**9.45                    Welcome and Introduction**

- a) Jan Carlstedt-Duke Karolinska Institutet
- b) Trevor Richards University of Cambridge
- c) Johannes Wilbertz Karolinska Institutet

**Chairman:            Sam Aparicio (Cambridge University, Great Britain)**

**10.00 – 12.00        Transgenic mice; Genetic I**

- a) The laboratory mouse in transgenic research (M. Festing, MRC / Leicester, UK)

**Coffee Break**

- b) Production of congenic mice / speed congenics (K. Reifenberg, Uni. Mainz / Mainz, Germany)

### **Lunch**

**13.30 Coffee Break, Network and Opportunity to view trade exhibition**

**Poster should be mounted**

**Chairman:            Michael Festing (MRC, Great Britain)**

**14.00 – 16.30        Knockout mice and inducible systems; Genetic II**

- a) Derivation of ES cells from strains other than 129 (L. Schoonjans, University Leuven / Leuven, Belgium)
- b) Conditional gene targeting in mice (R. Kühn, Artemis / Cologne, Germany)

**Coffee Break**

c) Reporter genes (LacZ, tau/lacZ, GFP etc.) (S. Aparicio, Dept of Oncology, Cambridge University / Cambridge, UK)

d) Induced mutagenesis in mice (ENU) (M. Hrabe de Angelis, Institute for Mammalian Genetic, GSF Research Center / Neuherberg, Germany)

**16.30 – 17.30**      Poster Session I

Presenting authors should be present at their posters

**18.30**              Departure of the busses in front of Nobel Forum

**19.00 – 24.00**      Get together at Papa Pe

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**Thursday May 18**

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**Chairwoman: Karin Nilsson (Pharmacia, Sweden)**

**9.00 – 11.00          Transgenic rodents in biomedical research**

- a) Immunology          (C. Sentman, AstraZeneca R&D / Lund, Sweden)
- b) Hypertension research (Rats) (M. Bader, MDC / Berlin, Germany)
- c) Genetic          (S. Aparicio, Dept of Oncology, Cambridge University /  
Cambridge, UK)
- d) Germ cell development - The SCP3 protein is required for synaptonemal  
complex formation, homologous chromosome synapsis and meiotic cell cycle  
progression  
(C. Höög, CMB, Karolinska Institutet / Stockholm, Sweden)

**Coffee Break**

**11.30 – 12.45          Production of non-rodent transgenic animals and their use  
in biomedical research**

- a) Avian Embryonic Stem Cells : isolation and perspectives (B. Pain, Vivalis  
SA / Nantes, France)
- b) Transgenesis in fish: transposon mediated enhancer trapping using *Sleeping  
beauty* in medaka          (J. Wittbrodt, EMBL / Heidelberg, Germany)

**Lunch**

**Chairman:                  Stephan Teglund (Karolinska Institutet, Sweden)**

**14.15 – 17.00          New techniques in the production of transgenic animals**

- a) Sperm mediated gene transfer (C. Spadafora, Institute of Biomedical  
Technology / Rome, Italy)
- b) Embryo Aggregation and Tetraploid Blastocyst Injection (C. Theussl,  
University of Vienna / Vienna, Austria)

**Coffee Break**

c) Cloning mice by nuclear transfer (P.Mombaerts, Rockefeller University /  
New York, USA)

**17.00 – 18.30**      Happy Hour and Poster Session II

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**Friday May 19**

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**Chairwoman: Elisabeth Norin (Karolinska Institutet, Sweden)**

**9.00 – 11.00 Animals and environment**

- a) Measuring of the behavior of tg-rodents - Characterization of Progressive Neurological Deficits in Mice Transgenic for the Human Huntington's Disease Mutation (J.Morton, Department of Pharmacology, University of Cambridge / Cambridge, UK)
- b) Studies of Physiological Functions in Genetically Altered Mice (P. Thorén, Dept. of Physiology and Pharmacology, KI / Stockholm, Sweden)

**Coffee Break**

- c) Food for tg-rodents (something to consider) (F. Günther, C. River AB / Uppsala, Sweden)

**11.00 – 13.00 Transgenic animals and health**

- a) Influence of infections on experiments (C. Dunn, Charles River UK / Kent, UK)
- b) Germ-free transgenic animals (J.Miller, Dept of Haematology / University of Cambridge, UK)
- c) Cryoconservation of embryos and gametes (P. Glenister, FESA / Harwell, UK)

**Lunch**

**Poster should be dismantled!**

**Chairman: Kurt Reifenberg (University Mainz, Germany)**

**14.30 – 16.15 Safety management and animal facilities**

- a) Running an animal facility: Conventional open unit, strict barrier conditions or IVCs? (J. Weiss, ZMBH / Heidelberg, Germany)

- b) The Four Levels of Science in Ventilated Caging Systems (VCS) (M. Spångberg, BioZone / Uppsala, Sweden)
- c) Marking of animals (ear tags, transponder systems, available databases, How to keep track of mice etc.) (M. Schröder, germline biotech consulting / Obermumpf, Switzerland)

**16.15**                      Closing Remarks