

# 5<sup>th</sup> Trans-Tech-Meeting

14-16 March, 2004

Biomedical Center, Uppsala, Sweden

Organizers:

Uppsala University – UUTF

Umeå University - UTCF

Karolinska Institute - KCTT

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## Sunday

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**13.30 – 15.00      Registration**

**15.00-15.05      Introduction**

Dr. Karin Nilsson, Uppsala University/UUTF  
Dr. Johannes Wilbertz, Karolinska Institutet/KCTT  
Dr. Nelson Khoo, Umeå University/UCTF

**15.05-15.15      Welcome Address**

Professor Ulf Pettersson, Vice Rector Uppsala University

**15.15-16.45      Transgenic Animals and the Environment**

**Chair: Dr. Marcela Pekna, Göteborg University**

15.15–16.00 Phyto–Oestrogenes: Source and Problems with Animal Research - Dr. Graham Tobin, Harlan Telkad, UK

16.00–16.45 Bisphenol A release from polycarbonate caging: evidence of leaching and estrogenic effects on laboratory animals - Dr Kembra Howdeshell, University of Michigan, Ann Arbor, Michigan, U.S.A.

16.45 – 17.15 Coffee Break

**17.15-18.00      Award of the Price for Transgenic Technologies (Open to all public)**

Introduction of the price winner  
Awarding of the price and lecture of the prize winner

**18.00 Get together**

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## Monday

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### **09.00 - 11.00 Platform session / Animal Facility Planning**

**Chair:** Johannes Wilbertz, Karolinska Institute

Speakers:

Dr. Wubshet Mamo – AstraZeneca Södertälje / Sweden

Dr. Marko Breuer - The Netherlands Cancer Institute, Amsterdam

Dr. Marcela Pekna – Dept. of Medical Biochemistry, Sahlgrenska Academy at Göteborg University, Göteborg

11.00 – 11.30 Coffee Break

### **11.30 – 13.00 Poster Session**

Presenting authors should be present at their posters

### **13.00 – 14.00 Lunch**

### **14.00-17.45 Circumventing the bottleneck in transgenesis**

**Chair: Dr.** Nelson Khoo, Umeå University

14.00 – 14.45 Gentle and efficient electroporation-based transfection of embryonic and adult stem cells – Dr Michael Nix, Amaxa Biosystems, Köln

14.45– 15.30 Chemical Mutagenesis: A Fast and Reliable High Throughput Reverse Genetics Tool. – Dr. Jürgen Laufs, Ingenium Pharmaceuticals, Martinsried

### **15.30 – 16.00 Coffee Break**

16.00 – 16.45 Speeding up Conditional Gene Targeting: Designer ES cells, ES mice & RNAi –Dr. Branko Zevnik, Artemis Pharmaceuticals, Köln.

16.45-17.15 Deposition and retrieval of mouse strains from the European Mouse Mutant Archive (EMMA)– Dr Lars Ährlund-Richter, Unit for embryology and genetics, Clinical Research Centre, Karolinska Institutet, Stockholm

17.15- 17.45 Advances in Viral and RNAi Technologies - Mats Nilsson, BD Biosciences CLONTECH

18.00 Dinner

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## Tuesday

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### **9.00 - 12.30 In vitro Differentiation and Rescue of Lethal Phenotypes**

**Chair:** Dr. Maud Forsberg, Uppsala University

9.00- 9.45 ES cell in vitro differentiation as a tool to study embryonic lethal phenotypes– Dr. Jürgen Rohwedel, University of Lübeck

9.45 – 10.30 Generation of embryonic stem cells and transgenic mice expressing green fluorescence protein in midbrain dopaminergic neurons - Dr Meng Li, Institute for Stem Cell Research, University of Edinburgh

10.30-11.00 Coffee Break

11.00 – 11.45 Hematopoietic differentiation of ES cells – Dr. Leif Carlsson, Umeå University

11.45 – 12.30 Vascular development deciphered using gene targeted mouse embryonal stem cells - Dr. Lena Claesson-Welsh, Uppsala University

### **12.30 – 13.30 Lunch**

### **13.30-15.00 Transgenic Models for Biomedical Research**

**Chair:** Dr. Magnus Åbrink, Uppsala University

13.30-14.15 The mouse as a model system to identify factors controlling pancreas development and beta cell function – Dr. Helena Edlund, Umeå University

14.15 – 15.00 Pleiotropic functions of Notch1 during lymphopoiesis and skin homeostasis -- Dr. Freddy Radtke, Ludwig Institute for Cancer Research, Lausanne Branch

**15.00-15.10 Concluding remarks**  
Transgenic Facility, Uppsala University

Dr. Karin Nilsson – Uppsala University