

5th Trans-Tech-Meeting

14-16 March, 2004

Biomedical Center, Uppsala, Sweden

Organizers:

Uppsala University – UUTF

Umeå University - UTCF

Karolinska Institute - KCTT

Sunday

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

Monday

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

Tuesday

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