

EUROPEAN COURSE ON PATHOLOGY & EMBRYOLOGY OF GENETICALLY ENGINEERED MICE

Second Edition

ORGANIZED BY THE D.E.S.V. OF VETERINARY PATHOLOGY

In partnership with:

THE FRENCH SOCIETY OF VETERINARY PATHOLOGY

Veterinary School of Nantes (France)

May 9 – 13, 2005

Monday – HOW TO MAKE TRANSGENIC, KNOCKOUTS & MUTANTS MICE ?

08h30–09h15	Registration
09h15–09h30	INTRODUCING REMARKS
09h30–10h30	WHAT IS A MOUSE? Patrick HARDY, Charles River Laboratories, L'Arbresle, France
11h00–12h30	GENETIC ENGINEERING: BASIC PRINCIPLES & STRATEGIES Lionel GRESH, IMP - Research Institute of Molecular Pathology, Vienna, Austria
14h00–15h30	GENETIC MANAGEMENT & BREEDING: KNOW YOUR MICE Patrick HARDY, Charles River Laboratories, L'Arbresle, France
16h00–17h00	CREATING MODELS: MUTAGENESIS STRATEGIES Steve BROWN, MRC, Harwell, United Kingdom
17h30–18h00	EUMORPHIA: THE EUROPEAN PROJECT, PAST, PRESENT & FUTURE Steve BROWN, MRC, Harwell, United Kingdom

Tuesday – PATHOLOGY OF GEM'S & MODELS OF CANCER

09h00–10h30	BACKGROUND DISEASES OF GEMS Donna KUSEWITT, Ohio State University, Columbus, USA
11h00–12h30	DISEASES OF TEETH & ORAL CAVITIES (including methods) Bjorn ROZELL, Karolinska Institute, Sweden
14h00–15h15	MODELS OF SKIN CANCER Donna KUSEWITT, Ohio State University, Columbus, USA
15h45–17h00	SELECT MODELS OF HUMAN CANCER (Comparative Pathology of Cancer, mouse models for mammary, prostate, lymphomas & leukemias) Jerry M. WARD, National Institute of Allergy and Infectious Diseases, USA & SoBran, Inc., USA
17h00–18h00	SEARCHING ON THE WEB... Laurence FIETTE, University of Geneva, Switzerland

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Wednesday – PATHOLOGY OF GEM'S & PHENOTYPING OF GENETICALLY ENGINEERED MICE

- 09h00–10h30 **CARDIOVASCULAR PHENOTYPING**
Mat J. DAEMEN
Cardiovascular Research Institute Maastricht, Maastricht,
The Netherlands
- 11h00–12h00 **DISEASES OF LIVER & GASTROINTESTINAL SYSTEM**
Jerry M. WARD, National Institute of Allergy and Infectious Diseases, USA
& SoBran, Inc., USA
- 13h30–14h45 **PHENOTYPING OF GENETICALLY ENGINEERED MICE: MY POINT OF VIEW**
Donna KUSEWITT, Ohio State University, USA
- 14h45–16h00 **PHENOTYPING OF GENETICALLY ENGINEERED MICE: MY POINT OF VIEW**
Jerry M. WARD, National Institute of Allergy and Infectious Diseases, USA
& SoBran, Inc., USA
- 16h30–18h00 **ROUND TABLE**
Donna KUSEWITT, Bjorn ROZELL & Jerry WARD
- Course diner*

Thursday - EMBRYO'S DAY

- 09h00–9h45 **GESTATIONAL MORTALITY**
Jerry M. WARD, National Institute of Allergy and Infectious Diseases, USA
& SoBran, Inc., USA
- 09h45–10h30 **PREPARATION AND HANDLING OF MOUSE EMBRYOS
FOR BIOMEDICAL RESEARCH**
Matthew H. KAUFMAN, University of Edinburgh, Scotland
- 11h00–12h30 **THE REAL MOUSE EMBRYO**
Matthew H. KAUFMAN, University of Edinburgh, Scotland
- 14h00–14h45 **ANALYSIS OF THE MOUSE EMBRYO USING
THE VIRTUAL EMBRYO METHODOLOGY**
Matthew H. KAUFMAN, University of Edinburgh, Scotland
- 14H45–16H30 **NEUROLOGICAL PHENOTYPING OF GENETICALLY ENGINEERED MICE**
Brad BOLON, GEMpath Inc., Cedar City, USA
- 17h00–18h00 **TRANSGENIC MODEL OF INDUCIBLE DIABETES**
Pedro HERRERA, University of Geneva, Switzerland

Friday - FUTURE

- 09h00–10h00 **IN VIVO IMAGING**
Marc JANIER, Animage, Lyon, France
- 10h30–11h30 **COMPUTERING PATHOLOGY**
Paul SCHOFIELD

Course Directors & Contacts

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