



PhD Course Therapeutic Development: Target Validation and Biomarkers

March 30, 31, and April 1, 2015

Aalborg University, Fredrik Bajers Vej 7B, auditorium B3-104

Preliminary Program

Day 1: March 30 2015

Moderator, Parisa Gazerani

08:45 “Welcome and course overview/evaluation” Parisa Gazerani, Pharm D, PhD, Center for Sensory Motor Interaction, Aalborg University

09:00-9:45 “Regulatory aspects of drug development” Peter Glerup, DVM, MSc, Chief Veterinary Surgeon & Director of Business Development and Sales, CiToxLAB Scantox A/S, Denmark

09:45-10:00 ***Coffee break***

10:00- 10:45 “Study designs and practical aspects of preclinical studies” Peter Glerup, DVM, MSc, Chief Veterinary Surgeon & Director of Business Development and Sales, CiToxLAB Scantox A/S, Denmark

10:45-11:00 ***Coffee break***

11:00-11:45 “Validation of biomarkers *in vivo* – Human experimental pain” Anne Estrup Olesen, MSc (Pharm), PhD, Mech-Sense, Department of Gastroenterology, Aalborg University Hospital

11:45-12:45 ***Lunch***

Moderator, Parisa Gazerani

12:45-13:30 “Candidate biomarkers for temporomandibular disorders; a dysfunctional chronic pain condition” Brian E Cairns, PhD, Faculty of Pharmaceutical sciences, the University of British Columbia, Vancouver, Canada

13:30-13:45 ***Coffee break***

13:45-14:30 “Epigenetic biomarkers” Jacek Lichota, PhD, Laboratory of Neurobiology, Biomedicine, Aalborg University

14:30-14:45 ***Coffee break***

14:45-15:30 “Testing biomarkers *in vivo* by use of gene transfer” Frederik Dagnaes-Hansen, DVM, PhD, Associate Professor, Department of Biomedicine, Aarhus University

Summary and closing



Day 2: March 31 2015

Moderator, Parisa Gazerani

09:00-9:45 “Predictive Biomarkers and the Drug-Diagnostic Co-Development Model” Jan Trøst Jørgensen, MSc (Pharm), PhD, Director of the Dx-Rx Institute, Denmark

09:45-10:00 **Coffee break**

10:00- 10:45 “Companion Diagnostics in Oncology” Jan Trøst Jørgensen, MSc (Pharm), PhD, Director of the Dx-Rx Institute, Denmark

10:45-11:00 **Coffee break**

11:00-11:45 “Development of diagnostic devices in a regulated environment” Karsten Bork Nielsen, PhD, Research Scientist, ISH CDx, Dako Denmark A/S, an Agilent Technologies Company, Denmark

11:45-12:45 **Lunch**

Moderator, Parisa Gazerani

12:45-13:30 “Cripto-1 a potential biomarker in glioblastoma” Linda Pilgaard, PhD, Associate Professor, Laboratory for Cancer Biology, Biomedicine, Aalborg University

13:30-13:45 **Coffee break**

13:45-14:30 “Biomarkers for assessing the *peri-operative* pain treatment in orthopaedic surgery” Sten Rasmussen, Associate Professor, Director of Research, Orthopaedic Surgery Research Unit, Research and Innovation Center, Aalborg, Denmark

14:30-14:45 **Coffee break**

14:45-15:30 “Biomarkers for monitoring *post-operative* pain after orthopaedic surgery” Sten Rasmussen, Associate Professor, Director of Research, Orthopaedic Surgery Research Unit, Research and Innovation Center, Aalborg, Denmark

Summary and closing



Day 3: April 1, 2015

Moderator, Parisa Gazerani

09:00-9:45 “Biomarkers in Reproductive Biomedicine I” Hans Ingolf Nielsen, Associate Professor, PhD, MSc, MEd, Consultant Embryologist (UK), Dep. of Health Science and Technology, Laboratory of Reproductive Medicine, Biomedicine Group, Aalborg University, Denmark; D.Y.Patil University (Professor), Mumbai, India

09:45-10:00 **Coffee break**

10:00- 10:45 “Biomarkers in Reproductive Biomedicine II” Hans Ingolf Nielsen, Associate Professor, PhD, MSc, MEd, Consultant Embryologist (UK), Dep. of Health Science and Technology, Laboratory of Reproductive Medicine, Biomedicine Group, Aalborg University, Denmark; D.Y.Patil University (Professor), Mumbai, India

10:45-11:00 **Coffee break**

11:00-11:45 “Biomarkers for CNS diseases” Stine Larsen, Clinical Pharmacology Lundbeck

11:45-12:45 **Lunch**

Moderator, Parisa Gazerani

12:45-13:30 “How to overcome the blood-brain barrier” Louiza Bohn Thomsen, PhD, Laboratory of Neurobiology, Biomedicine, Aalborg University

13:30-13:45 **Coffee break**

13:45-14:30 “Vagus nerve based markers for closed-loop devices to treat hypertension and epilepsy” Cristian Sevcencu, PhD, Aalborg University

14:30-14:45 **Coffee break**

14:45-15:30 “Biomarkers – present and future. A clinical perspective” Søren Risom Kristensen, Professor, Consultant, DMSc, Department of Clinical Biochemistry, Aalborg University Hospital

Summary and closing

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