**Symposium**

“**Genomic and Genetic Aspects for Human Health and Disease**”

**Oslo, September 20-22, 2010**

**organized by the Sig. K. Thoresen Foundation and**

**The Norwegian Academy of Science and Letters**

**Street address: Drammensveien 78, Oslo**

 **Programme**

**Monday September 20**

08.30 - 09.00 Registration

09.00 - 09.15 Welcome: Anne-Lise Børresen-Dale

 Allotted time include 5-10 min discussions

**DAY 1**

**1. Genomic Evolution and Population Genetics**

**Chairperson: Lars Retterstøl**

09.15 – 10.15 **Nils Christian Stenseth**, CEES, University of Oslo, Norway

 The Eco-epidemiological Plague System

10.15 - 10.45 **Maiken Bratt Elvestad,** NTNU, Trondheim, Norway

 Genetic Variation in North Trøndelag and Tromsø

**10.45 - 11.15 Coffee**

11.15 - 12.00 **Andrew G. Clark**, Cornell University, USA

 Population Genetic Consequences of the Past Explosive Growth of the

 Human Population

12.00 - 12.45 **Gert Van Ommen,** Leiden University, The Netherlands

 Translational Genomics and Biobanking

**12.45 - 13.30 Lunch**

**Chairperson: Ole Andreas Andreassen**

13.30 -14.15 **Silje Heim Nordgard,** Oslo University Hospital, Oslo, Norway

 The Genetic Makeup of Breast Carcinoma Transcriptomes

14.15 -15.00 **Gurinder S. Atwal**, Cold Spring Harbor Laboratory, USA

 Genetic Diversity of the p53 Tumor Suppressor Pathway

**15.00 - 15.30 Coffee**

15.30 - 16.30 **Gill Bejerano,** Stanford University, USA

Studies of the Cis-regulatory Basis of Recent Human Evolution and Human Disease

16.30 - 17.30 **Elinor Karlsson,** Broad Institute, MIT/Harvard University, USA

 Causal Variants and Selection

**DAY 2**

**Tuesday September 21:**

**Genetic Plasticity, Network and Disease**

**Chairperson: Lodewyk Wessels**

09.00 - 09.45 **Evan E. Eichler,** University of Washington, USA

 Impact of CNV and Duplications

09.45 - 10.30 **Andrew Feinberg**, John Hopkins School of Medicine, USA

The Epigenetic Basis of Common Human Disease

**10.30 - 11.00 Coffee**

11.00 - 11.45 **Sampsa Hautaniemi,** University Helsinki, Finland

 Data Integration and Modeling in Cancers

11.45 - 12.30 **Danny Zeevi,** The Weizmann Institute of Science , Israel

 Dissecting the cis-regulation Logic of Ribosomal Protein Genes

**12.30- 13.15 Lunch**

**Chairperson: Kjersti Skjold Rønningen**

13.15 - 14.00 **Barbara Stranger**, Harvard Medical School, USA

 Genetic Regulation of Expression

14.00 -14.45 **Eivind Hovig**, Oslo University Hospital, Oslo, Norway

Inferential Genomics in Disease

**14.45 - 15. 15 Coffee**

15.15 - 16.15 **Eleftheria Zeggini**, Welcome Trust Sanger Institute, UK

 Rare Variant Association Analysis in Complex Traits

16.15 - 17.15 **Nancy Cox**, University of Chicago, USA

 Enhancing Biological Understanding of Genetic/Genomic Discoveries in Complex Traits

**DAY 3**

**Wednesday September 22**

**Molecular Genetic Mechanisms of Disease, Models and Tools**

**Chairperson: Vessela N. Kristensen**

09.00 - 10.00 **Boris Reva,** MSKCC-Computational Biol Ctr., USA

 Functional Impact of Protein Mutations Identified in The Cancer Genome Atlas

10.00 - 11.00 **Itsik Pe’er** , Columbia University, USA

Identity by Descent and Personal Genomes in Isolated Populations

**11.00 - 11.30 Coffee**

11.30 - 12.30  **Kevin White**, University of Chicago, USA,

 Genomic Analysis and Breast Cancer Prognosis

**12.30 - 13.15 Lunch**

**Chairperson: Eivind Hovig**

13.15 - 14.15 **Lodewyk Wessels**, Netherlands Cancer Institute, The Netherlands

 Oncogenic Network Identification from Genomic Data

14.15 - 15.15 **Oren Litvin**, Columbia University, USA

 Driving Mutations: Lessons from Yeast and Cancer

**Closing remarks: Anne-Lise Børresen-Dale**