

# Centre for Medical Systems Biology

Improving diagnosis, treatment and prevention of common and rare diseases

## 7<sup>th</sup> Annual CMSB Symposium October 15<sup>th</sup>, 2010

09:00 – 09:30 *Registration with coffee and tea*

09:30 – 09:45 Gertjan van Ommen (director CMSB): Status and prospects

### **Session 1 CMSB workpackage presentations - Chair: Brenda Penninx**

09:45 – 10:05 Kim Rutgers: Alzheimer's disease - Heavy chain antibody fragments as a tool for noninvasive imaging of neurodegenerative disorders

10:05 – 10:25 Ingrid Meulenbelt: Arthritis - From genetic susceptibility towards functional genomics

10:25 – 10:45 Pieter van Bokhoven: Depression - Social defeat stress: a hippocampal focus

10:45 – 11:15 *Coffee and tea break*

### **Session 2 CMSB workpackage presentations - Chair: Ben Oostra**

11:15 – 11:35 Aaron Isaacs: Metabolic Syndrome - Less than the sum

11:35 – 11:55 Boukje de Vries: Migraine - The genetic and pathophysiological spectrum of migraine

11:55 – 12:15 Frits Koning: Immunology - Tissue specific T cells: from gut to fat

12:15 – 13:30 *Buffet lunch*

*Presentation of the NBIC Bioinformatics Research Support programme*

13:30 – 13:50 Yurii Aulchenko: DIAL - Complex genetics gets more complex

### **Session 3 Learning session Biophenotyping - Chair: Peter Heutink**

13:50 – 14:10 Guus Smit: Cellular phenotyping

14:10 – 14:30 Magnus Palmblad: Benefits of high-field FTICR in proteomics and metabolomics

14:30 – 14:50 Thomas Hankemeier: NMC and CMSB: joint opportunities in clinical metabolomics

14:50 – 15:10 Louise van der Weerd: Imaging - Bright spots on the horizon

15:10 – 15:40 *Coffee and tea break*

15:40 – 16:30 **KEYNOTE lecture Aarno Palotie: Migraine and other complex disorders**

**Head of Medical Sequencing, Wellcome Trust Sanger Institute, UK**

**Chair: Gertjan van Ommen**

16:30 – 17:30 **Discussion Genomics and Society: Complex genetics - medical and societal impact**

Panel, among others: Aarno Palotie, Gertjan van Ommen, Martina Cornel, Hanne Meijers-Heijboer and Lidewij Henneman

Discussion leader: Martijn Breuning

17:30 – 18:30 *Drinks and bites*

**Location** Auditorium NCB Naturalis, Darwinweg 2, Leiden

**Registration Information** Registration is free of charge; please register at [www.boerhaavenet.nl](http://www.boerhaavenet.nl)

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