



NGFN-2: NeuroNet Meeting

Progress Report 2005

November, 4th – 5th, 2005

Reiss-Engelhorn-Museen, Anna-Reiß-Saal, D5, Mannheim/Heidelberg



Friday, November 4, 2005

11:00-11:15

Welcome address

The Second Funding Period – Challenges and Successes of the NeuroNet

Peter Propping, Bonn

Presentations from the SubNet Alzheimer Disease

11:15-11:45

Identification of new susceptibility genes conferring risk to neurodegenerative diseases

Matthias Riemenschneider, Munich

11:45-12:15

Identification of β - and γ -secretase interacting factors

Christian Haass, Munich

12:15-12:45

Identification of A β 42 related genes

Tobias Hartmann, Heidelberg

12:45-13:15

Alpha-secretase as a target for the therapy of Alzheimer disease

Falk Fahrenholz, Mainz

13.15-14.30

Lunch break and Meeting of the NeuroNet-Board

14:30-15:30

Meeting of the 5 SubNets

15:30-15:45

Coffee break

Presentations from the SubNet Parkinson Disease

15:45-16:15

Correlation structure of multiple association signals within candidate genes of AD and PD

Jakob Müller, Munich

16:15-16:45

Functional and genetic analysis of *PINK1*-associated parkinsonism

Georg Auburger, Frankfurt/M.

16:45-17:15

Functional variants in the alpha-synuclein gene

Julia Fuchs, Tübingen

17:15-17:45

LRRK2 and Parkinson's disease

Thomas Gasser, Tübingen

19 h

Dinner

Saturday, November 5, 2005

Presentations from the SubNet Affective Disorders

8:30-8:55

Genome-wide scan and fine mapping linkage studies in four European samples with bipolar affective disorder

Rami Abou Jamra, Bonn

8:55-9:20

Phenotype characterisation of bipolar patients with structural MRT: first results

Heike Tost, Mannheim

9:20-9:45

Intra- and Inter-gene interactions in *FKBP5* and *GR* genes and their association with response

Daria Salyakina, Munich

9:45-10:10

Animal models for the analysis of new susceptibility genes in psychiatric disorders

David-Marian Otte, Bonn

10:10–10:30

Coffee break

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Saturday, November 5, 2005

Presentations from the SubNet Alcohol addiction

- 10:30-10:55 Gene-expression profiling and ENU mutagenesis for the identification of candidate genes involved in alcohol addiction
Rainer Spanagel, Mannheim
- 10:55-11:20 The role of *CRH/CRHR1* signalling in alcohol addiction
Jan Deussing, Munich
- 11:20-11:45 Effect of stress sensitivity on ethanol preference
Ildiko Racz, Bonn
- 11:45-12:10 Candidate genes in the glutamatergic system of alcoholic patients
Gunter Schumann, Mannheim
- 12:10-13:00 Lunch

Workshop SMP "Central Unit for Services and Resources" RZPD

- 13:00-13:15 High throughput yeast 2 hybrid screening service, *Manfred Koegl, RZPD Berlin*
- 13:15-13:30 Serum screening & epitope mapping on protein arrays, *Andreas Hoerlein, RZPD Berlin*
- 13:30-13:45 Array CGH using the NimbleGen Platform, *Thorsten Rieck, RZPD Berlin*
- 13:45-14:00 Bioinformatics services at RZPD: Sequence annotation and microarray data analysis, *Steffen Hennig, RZPD Berlin*

Workshop Functional Proteomics

- 14:00-14:20 Proteome analysis - applications in clinical research, *Helmut E. Meyer, Bochum*
- 14:20-14:40 Systematic analysis of protein-protein interactions: from disease genes to function
Erich Wanker, MDC Berlin
- 14:40-15:00 The quest for brain disorder biomarkers, *Chris W. Turck, MPI Munich*

Workshop GEM

- 15:00-15:05 Introduction, *Thomas F. Wienker, GEM Bonn*
- 15:05-15:25 Systematic analysis of gene-gene interactions in European samples with bipolar affective disorders, *Robert Fürst, GEM Bonn*
- 15:25-15:45 Application of the PBAT selection methods to a SNP genome scan for obesity
Thuy Trang Nguyen, GEM Marburg
- 15:45-16:05 KORA-gen: Infrastructure to provide phenotypes, genotypes and biosamples for genetic epidemiological research, *Christian Gieger, H.-Erich Wichmann, GEM München*
- 16:05-16:15 Coffee break

Presentations from the SubNet Epilepsy

- 16:15-16:40 Genetic and functional characterisation of the epilepsy-related *EFHC* gene family 2
Wenli Gu, Munich
- 16:40-17:05 Neuronal *KCNQ/M*-channels: Key to control of cellular and network excitability in brain
Dirk Isbrandt, Hamburg
- 17:05-17:30 A novel gain of function mutation in the P/Q-type calcium channel in a family with childhood absence epilepsy
Holger Lerche, Ulm
- 17:30-17:55 GABAergic dysfunction in idiopathic seizure disorders
Armin Heils, Bonn

18:00 End of the Meeting

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