

# XXIV Paulo International Medical Symposium Schizophrenia - Epidemiology and Biology

June 18<sup>th</sup> to 20<sup>th</sup>, 2012

Oulu, Finland

## PROGRAM

### Sunday 17th June 2012

16:00-19:00 Registration desk open

19:00-21:00 **Welcome Reception, Aurora Hall**

### Monday 18<sup>th</sup> June 2012

8:00 Registration desk opens

8:45-9:15 *Coffee*

9:15-9:30 **Opening of the symposium, Aurora Hall**

Adjunct Professor Jouko Miettunen and Dr Erika Jääskeläinen,  
Oulu Psychiatric Epidemiology Society

**Session 1, Aurora Hall** - Chair: Matti Isohanni, co-chair: Antti Alaräisänen

9:30-10:30 **Translational epidemiology – linking clues from schizophrenia epidemiology with experimental neuroscience**

Professor John McGrath (Australia)

10:30-11:30 **The outcome of schizophrenia revisited: Are there international differences?**

Dr Josep Maria Haro (Spain)

11:30-12:30 *Lunch, Lasaretti Restaurant*

12:30-13:30 **Poster session 1, Yrjö Hall** - Chair: Juha Veijola, co-chair: Marianne Haapea

**Session 2, Aurora Hall** - Chair: John McGrath, co-chair: Jouko Miettunen

13:30-14:30 **Signs of infection and inflammation in early life and risk of schizophrenia**

Professor Christina Dalman (Sweden)

14:30-15:30 **Altered learning and memory mechanisms in schizophrenia**

Professor Carol Tamminga (USA)

15:30-16:00 *Coffee*

### Parallel oral sessions

**Oral session 1, Aurora Hall** - Chair: Christina Dalman, co-chair: Erika Jääskeläinen

- 16:00-16:30 James MacCabe: Decline in verbal IQ between age 13 and 18 and risk for schizophrenia in adulthood: a Swedish longitudinal cohort study
- 16:30-17:00 Vera Morgan: Clustering of neuropsychiatric outcomes in children of women with psychosis: a western Australian retrospective e-cohort study using record-linked data

**Oral session 2, Merikoski Hall** - Chair: Juha Veijola, co-chair: Pauliina Juola

- 16:00-16:15 Pirjo Mäki: Childhood and adolescence symptoms predicting psychosis in the general population based Northern Finland Birth Cohort 1986
- 16:15-16:30 Susanne Gage: Cannabis use and psychotic experiences in ALSPAC teenagers – a longitudinal study
- 16:30-16:45 Maria Niarchou: Speed of processing deficits predict non-clinical psychotic experiences in children and adolescents; longitudinal analyses in a large birth cohort
- 16:45-17:00 Sarah Sullivan: Psychotic symptoms and social functioning: a longitudinal study

**Oral session 3, Linna Cabinet** - Chair: Brian Miller, co-chair: Tanja Nordström

- 16:00-16:15 Tuomas Jukuri: Default mode network in young people with familial risk for psychosis – the Oulu Brain and Mind Study
- 16:15-16:30 Tuukka Raij: Auditory verbal hallucination and imagery of the hallucination differ by stronger activation of the supplementary motor area during imagery
- 16:30-16:45 Timothea Touloupoulou: Prefrontal deviations in function but not volume are putative endophenotypes for schizophrenia
- 16:45-17:00 Matti Isohanni: Lifespan development in schizophrenia from womb to grave - results from the Northern Finland 1966 Birth Cohort
- 19:00-01:00 **Conference Dinner, Maikkula Estate**

**Tuesday 19<sup>th</sup> June 2012**

- 8:30 Registration desk opens
- 9:00-9:30 *Coffee*

**Session 3, Aurora Hall** - Chair: Jaana Suvisaari, co-chair: Erika Jääskeläinen

9:30-10:30 **Psychosis and diagnosis: Are symptoms part of the cause?**

Professor Jim van Os (Netherlands)

10:30-11:30 **Schizophrenia: Cases and places**

Assistant Professor Peter Jones (UK)

11:30-12:30 *Lunch*

12:30-13:30 **Poster session 2, Yrjö Hall** - Chair: Pirjo Mäki, co-chair: Matti Penttilä

**Session 4, Aurora Hall** - Chair: Jim van Os, co-chair: Ina Rissanen

13:30-14:30 **Gene-environment interactions in psychosis: time to take it seriously**

Professor Inez Myin-Germeys (Netherlands)

14:30-15:30 **Back to the environment – prenatal and childhood risk factors for schizophrenia**

Professor Mary Cannon (Ireland)

15:30-16:00 *Coffee*

**Parallel oral sessions**

**Oral session 4, Aurora Hall** - Chair: Erika Jääskeläinen, co-chair: Antti Alaräisänen

- 16:00-16:30 Risto Näätänen: The mismatch negativity (MMN) - an index of cognitive deterioration, the common core of all major neuropsychiatric diseases – a review
- 16:30-17:00 Juha Veijola: Progression in brain tissue loss in subjects with schizophrenia. The Northern Finland 1966 Birth Cohort study
- 17:00-17:30 Alan Mackay-Sim: Patient-derived stem cells: access to the cell biology of schizophrenia

**Oral session 5, Merikoski Hall** - Chair: James MacGabe, co-chair Jouko Miettunen

- 16:00-16:15 Vladeta Ajdacic-Gross: Disentangling the heterogeneity and complexity of psychosis syndromes: methodological promises
- 16:15-16:30 Anthony Ahmed: Psychosis phenotypes and the structure of personality: evidence of a dimensional model of psychotic experiences
- 16:30-16:45 Virva Siira: The role of long-term manifestation of personality traits and heritability as vulnerability indicators for psychopathology
- 16:45-17:00 Niklas Granö: JERI - Early detection and intervention model for adolescents at risk for psychosis: Can transition to psychosis be prevented?
- 17:00-17:15 Marius Lahti: Cardiovascular morbidity, mortality, and pharmacotherapy in patients with schizophrenia

**Oral session 6, Linna Cabinet** - Chair: Vera Morgan, co-chair: Sanna Huhtaniska

- 16:00-16:15 Aye-Mu Myint: Immune activation induced kynurenines imbalance is associated with response to treatment with antipsychotics
- 16:15-16:30 Jaana Suvisaari: Proline and schizophrenia
- 16:30-16:45 Esben Agerbo: Modelling the contribution of family history and variation in single nucleotide polymorphisms to risk of schizophrenia: a Danish national birth cohort-based study
- 16:45-17:00 Mary C. Clarke: Evidence for a skewed developmental trajectory among first-degree relatives of schizophrenia patients
- 17:00-17:15 Adrianna Mendrek: Sex-specific differences in neurocognitive function in schizophrenia
- 19:00-21:00 **City Reception, City Hall**

**Wednesday 20<sup>th</sup> June 2012**

8:30 Registration desk opens

9:00-9:30 *Coffee*

**Session 5, Aurora Hall** - Chair: Christos Pantelis, co-chair: Marianne Haapea

9:30-10:30 **What underlies the onset of psychosis?**

Professor Philip McGuire (UK)

10:30-11:30 **Vitamin D, brain outcomes and non-linear exposure-risk relationships**

Professor John McGrath (Australia)

11:30-12:30 *Lunch*

12:30-13:30 **Poster session 3, Yrjö Hall** - Chair: Matti Isohanni, co-chair: Erika Jääskeläinen

**Session 6, Aurora Hall** - Chair: Jouko Miettunen, co-chair: Erika Jääskeläinen

- 13:30-14:30 **Reward prediction error learning dysfunction in psychosis: linking dopamine, learning and delusions**  
Dr Graham Murray (UK)
- 14:30-15:30 **Neuroimaging markers of illness onset in psychosis: the search for a moving target**  
Professor Christos Pantelis (Australia)
- 15:30-16:00 *Coffee*
- Session 7,** **Aurora Hall** - Chair: Graham Murray, co-chair: Antti Alaräisänen
- 16:00-17:00 **Most adult psychiatric disorders begin in childhood, but when should we treat them?**  
Professor Peter Jones (UK)
- 17:00-17:15 **Closing of the symposium, Aurora Hall**  
Adjunct Professor Jouko Miettunen and Dr Erika Jääskeläinen,  
Oulu Psychiatric Epidemiology Society