



**Conference on Epidemiological Birth Cohort Studies  
Dedicated to the memory of Professor Paula Rantakallio**

Thursday 12 – Friday 13 June, 2014  
Kastelli Research Center, Auditorium, Aapistie 1, Oulu, Finland

Organized by The Northern Finland Birth Cohort Studies (<http://www.oulu.fi/nfbc/>)  
University of Oulu, Finland (<http://www.oulu.fi/>)

Registration by Friday 30 May, 2014, [www.oulu.fi/nfbc](http://www.oulu.fi/nfbc)

## Program

### **Thursday June 12th**

8.30 – 9.00	Coffee
<b>Session I</b>	<b>Chair, Juha Veijola, University of Oulu</b>
9.00 – 9.15	Opening words <b>Kyösti Oikarinen, Dean of the Medical Faculty, University of Oulu</b>
9.15 – 9.45	A New Dawn for Longitudinal Studies <b>Marjo-Riitta Järvelin, University of Oulu, Imperial College London</b>
9.45 – 10.15	Contributions of Finnish Twin Cohort Studies to Understanding Use and Abuse of Alcohol <b>Richard J. Rose, Indiana University</b>
10.15 – 10.45	Computational medicine: a multidisciplinary and global endeavour to understand health and disease aetiology <b>Mika Ala-Korpela, University of Oulu &amp; University of Bristol</b>
10.45 – 11.15	Benefits of cohort studies for child and adolescent psychiatry <b>Irma Moilanen, University of Oulu</b>
11.15 – 12.30	Lunch
<b>Session II</b>	<b>Chair, Marjo-Riitta Järvelin, University of Oulu, Imperial College London</b>
12.30 – 13.00	Population Neuroscience of the Adolescent Brain <b>Tomas Paus, University of Toronto</b>
13.00 – 13.30	Musculoskeletal research in Northern Finland Birth Cohorts <b>Jaro Karppinen, University of Oulu</b>
13.30 – 14.00	From infancy to middle-age: a mental journey through NFBC 1966 <b>Graham Murray, University of Cambridge</b>



14.00 – 14.30	Coffee
14.30 – 15.00	Physical activity and fitness during the lifecourse <b>Tuija Tammelin, LIKES – Research Center for Sport and Health Sciences</b>
15.00 – 15.30	Prevalence and background factors of temporomandibular disorders <b>Kirsi Sipilä, University of Eastern Finland</b>
15.30 – 16.00	Preterm birth and maternal pregnancy disorders as models to understand early origins of adult health and disease <b>Eero Kajantie, National Institute for Health and Welfare</b>
18.00 -	Dinner at the restaurant Rauhala, Mannenkatu 4, Oulu

**Friday June 13th**

8.45 – 9.15	Coffee
<b>Session I</b>	<b>Chair, Minna Männikkö, University of Oulu</b>
9.15 – 9.45	Polycystic Ovary Syndrome: what have we learned from the cohort studies <b>Laure Morin-Papunen, Oulu University Hospital</b>
9.45 – 10.15	Using population isolates in disease genetics <b>Aarno Palotie, Institute for Molecular Medicine Finland</b>
10.15 – 10.45	Complex disease genetics: moving beyond GWAS to impact on population health <b>Mark Daly, Harvard Medical School</b>
10.45 – 11.15	Development of schizophrenia from a lifespan perspective within the Northern Finland 1966 Birth Cohort Study <b>Matti Isohanni, University of Oulu</b>
11.15 – 12.30	Lunch
12.30 – 13.00	Dispositional optimism in NFBC-1966, relations and antecedents <b>Ellen Ek, University of Jyväskylä</b>
13.00 – 13.30	Early adversity, epigenome and adolescent obesity <b>Zdenka Pausova, University of Toronto</b>
13.30 – 14.00	Design options in cohort studies: Sampling-based alternatives to a census of the study population <b>Esa Läärä, University of Oulu</b>
14.00 – 14.30	The Fetal Footprint <b>Wayne Cutfield, University of Auckland</b>
14.30 – 14.45	Closing words <b>Juha Veijola, University of Oulu</b>

