

# 6th Paula Rantakallio Symposium on Birth Cohorts and Longitudinal Studies



10–12 June 2026  
University of Oulu  
Finland



**UNIVERSITY  
OF OULU**



**Programme**

## Wednesday 10<sup>th</sup> June

Time	Title	Speaker
8:00	Registration	
9:00	Session 1	Chair: Marko Kantomaa
9:00	Welcome to the 6 <sup>th</sup> Paula Rantakallio Symposium	<b>Marko Kantomaa</b> Chair of the 6 <sup>th</sup> Paula Rantakallio Symposium <i>Research Unit of Population Health, University of Oulu, Finland</i>
9:10	<b>K1 – Opening lecture</b> – The genetic architecture of obesity across the life course	<b>Ruth Loos</b> <i>Novo Nordisk Foundation Center for Basic Metabolic Research (CBMR), University of Copenhagen, Denmark</i>
10:00	Coffee/tea break	
10:30	Session 2	Chairs: Sylvain Sebert and Barbara Heude
10:30	<b>O1</b> – The next phase of cohort studies? From observation to intervention to action	<b>William Siero</b> <i>Population Health, Murdoch Children’s Research Institute, Australia</i>
10:45	<b>O2</b> – The causal relationships between leisure-time physical activity and body mass index in adulthood: a triangulation study	<b>Anna Kankaanpää</b> <i>Gerontology Research Center (GEREC), Faculty of Sport and Health Sciences, University of Jyväskylä, Finland</i>
11:00	<b>O3</b> – An intersectional analysis of sex, early-life socio-economic factors, and genetic risk on adult obesity: a Northern Finland Birth Cohort 1966 study	<b>Subhechcha Bhandari</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
11:15	<b>O4</b> – Device-measured 24-h movement behaviors and metabolic profile in young adults	<b>Kristin Suorsa</b> <i>Department of Public Health, University of Turku and Turku University Hospital, Finland</i>
11:30	<b>O5</b> – Exploring biological pathways of heat exposure in pregnant women and infants in the climate change era: HIGH Horizons prospective birth cohort, Greece	<b>Zacharoula Bogogiannidou</b> <i>Laboratory of Hygiene and Epidemiology, Faculty of Medicine, University of Thessaly, Greece</i>
11:45	<b>O6</b> – Municipality level changes in overweight and obesity in pregnant women in Sweden over two decades: evidence from The Swedish Medical Birth Register	<b>Fethi Mohammed Yusuf</b> <i>Department of Epidemiology and Global Health, Umeå University, Sweden</i>
12:00	Lunch break (Restaurant Medisiina, Aapistie 5)	
13:00	Poster walks 1–3	
14:00	Session 3	Chair: Anna Pulakka
14:00	<b>K2 – Keynote lecture</b> – Birth cohort studies in Malawi, a low-and middle-income setting: opportunities and challenges.	<b>Charles Mangani</b> <i>Malaria Alert Centre, Kamuzu University of Health Sciences, Malawi</i>
15:00	Coffee/tea break	
15:30	Session 4	Chairs: Emma Raitoharju and Sonja Rajić

15:30	<b>O7</b> – FILOMENE – a new French large couple-child cohort to study the relations between the exposome and children’s health	<b>Barbara Heude</b> <i>Université Paris Cité et Université Sorbonne Paris Nord, Inserm, INRAE, Centre de Recherche en épidémiologie et Statistiques (CRESS), France</i>
15:45	<b>O8</b> – Extensive sample and data collection on environmental exposures in a new Biofantti birth cohort	<b>Jenni Lehtimäki</b> <i>Built Environment Solutions Unit, Finnish Environment Institution, Finland</i>
16:00	<b>O9</b> – Future Finland Birth Cohort: optimizing the use of Finnish register and welfare clinic data to advance research on family and child wellbeing	<b>Eeva-Leena Kataja</b> <i>Welfare Epidemiology and Monitoring Unit, Finnish Institute for Health and Welfare (THL), Finland</i>
16:15	<b>O10</b> – Physical fitness in adolescents born preterm or small for gestational age in rural Malawi	<b>Pragga Bhattacharjee</b> <i>Clinical Medicine Research Unit, University of Oulu, Finland</i>
16:30	<b>O11</b> – Supporting children’s decision-making in a large-scale birth cohort study through staff experiences in the Japan Environment and Children’s Study	<b>Ryoko Matsuyama</b> <i>Department of Computational Biology and Medical Sciences, Graduate School of Frontier Sciences, The University of Tokyo, Japan</i>
16:45	<b>O12</b> – How do birth cohort researchers beat the survey fatigue?	<b>Anne-Marie Nybo Andersen</b> <i>Section for Epidemiology, University of Copenhagen, Denmark</i>
<b>17:00</b>	<b>End of day 1</b>	

## Thursday 11<sup>th</sup> June

Time	Title	Speaker
8:00	Registration	
9:00	Session 5	Chair: Jouko Miettunen
9:00	<b>K3 – Keynote lecture</b> – Rethinking mental illness: from causal mechanisms to precision immunotherapy	<b>Golam Khandaker</b> <i>Bristol Medical School, University of Bristol, United Kingdom</i>
10:00	Coffee/tea break	
10:30	Session 6	Chairs: David Burgner and Toby Mansell
10:30	<b>O13</b> – Prenatal stress and adverse childhood experiences as risk factors for atherosclerotic cardiovascular disease – FinnBrain Birth Cohort Study	<b>Hasse Karlsson</b> <i>Department of Psychiatry and Department of Clinical Medicine, University of Turku and Turku University Hospital, Finland</i>
10:45	<b>O14</b> – Early determinants of parental burnout in mothers of the NINFEA birth cohort	<b>Maja Popovic</b> <i>Department of Medical Sciences, University of Turin, Italy</i>
11:00	<b>O15</b> – Neighbourhood socioeconomic deprivation and ADHD and ASD during childhood in Finland, a country-wide register study (1994–2016)	<b>Basho Poelman</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
11:15	<b>O16</b> – Maternal inflammation and the development of white matter microstructure: a multi-cohort study	<b>Anni Niskanen</b> <i>Research Unit of Clinical Medicine, Department of Psychiatry, University of Oulu, Finland</i>
11:30	<b>O17</b> – Socioeconomic inequalities in childhood respiratory tract infections. Data analysis of >200,000 children in 16 birth cohorts from Europe and Australia	<b>Demetris Avraam</b> <i>Department of Public Health, University of Copenhagen, Denmark</i>
11:45	<b>O18</b> – Socioeconomic position, inflammation, and cardiovascular health in childhood and adolescence: an international multi-cohort study	<b>Toby Mansell</b> <i>Department of Paediatrics, University of Melbourne, Australia</i>
12:00	Lunch break (Restaurant Medisiina, Aapistie 5)	
13:00	Poster walks 4–6	
14:00	Session 7	Chair: Johannes Kettunen
14:00	<b>K4 – Keynote lecture</b> – Frailty beyond old age – from late-life syndrome to lifecourse risk	<b>Juulia Jylhävä</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
15:00	Coffee/tea break	
15:30	Session 8	Chairs: Elina Sillanpää and Suvi Ravi
15:30	<b>O19</b> – Early-life infections and life course health in the EU Child Cohort Network	<b>Marianna Karachaliou</b> <i>The Generation R Study Group, University Medical Center, Rotterdam, Netherlands</i>

15:45	<b>O20</b> – The LIFE Child Study: a longitudinal perspective on child development and lifestyle diseases	<b>Mandy Vogel</b> <i>Hospital for Children and Adolescents, LIFE Child, Leipzig University, Germany</i>
16:00	<b>O21</b> – Exploring the exposome and unexplained variance in biological ageing – insights from a longitudinal twin study in adolescence and early adulthood	<b>Annika Opperbeck</b> <i>Faculty of Sport and Health Sciences, University of Jyväskylä, Finland</i>
16:15	<b>O22</b> – Impacts of social isolation on health and wellbeing: a mixed methods study	<b>Estelle Lowry</b> <i>School of Natural and Built Environment, Queen's University Belfast, United Kingdom</i>
16:30	<b>O23</b> – More than Images: inclusion and collective deliberation in visualising ageing	<b>Mireia Manent Blanch</b> <i>Project Management, Communications Department, WeDo   Project Intelligence Made Easy, Spain</i>
16:45	<b>O24</b> – Life course drivers of frailty: a longitudinal birth cohort study	<b>Markus Haapanen</b> <i>Research Unit of Clinical Medicine, University of Oulu, Finland</i>
<b>17:00</b>	<b>End of day 2</b>	
<b>19:00 – 22:00</b>	<b>Symposium dinner at Theatre Restaurant Aulis, Oulu Theatre</b> Street address: Kaarlenväylä 2	

## Friday 12<sup>th</sup> June

Time	Title	Speaker
8:00	<b>Registration</b>	
9:00	<b>Session 9</b>	<b>Chair:</b> Johanna Metsälä
9:00	<b>K5 – Keynote lecture</b> – The infant gut microbiome at the crossroads of environmental exposures and child health	<b>Tanya Alderete</b> <i>Department of Environmental Health and Engineering, Johns Hopkins University, United States</i>
10:00	<b>Coffee/tea break</b>	
10:30	<b>Session 10</b>	<b>Chair:</b> Ville Pimenoff
10:30	<b>K6 – Keynote lecture</b> – Intersectionality, health inequalities and unequal ageing across the life course	<b>Daniel Holman</b> <i>School of Sociological Studies, Politics and International Relations, University of Sheffield, United Kingdom</i>
11:30	<b>Short break</b>	
11:45	<b>Session 11</b>	<b>Chairs:</b> Leena Ala-Mursula and Ville Pimenoff
11:45	<b>O25</b> – Longitudinal monitoring of biotic and abiotic exposures using wearable devices among pregnant women in Finland	<b>Xinyue Zhang</b> <i>Department of Genetics, Stanford University, United States</i>
12:00	<b>O26</b> – Longitudinal mapping of environmental exposures with individual-level geographic coordinates and wearable devices among pregnant women in Finland	<b>Ville Pimenoff</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
12:15	<b>O27</b> – Linking climate reanalysis data and birth registries: a scalable approach to study heat exposure effects on perinatal health	<b>Elizaveta Fomenko</b> <i>Study Center for Perinatale Epidemiology (SPE), Belgium</i>
12:30	<b>O28</b> – Relationship between early life adversities, gestational age and their joint effect on birth of the first child	<b>Priyanka Choudhary</b> <i>Clinical Medicine Research Unit, University of Oulu, Finland</i>
12:45	<b>O29</b> – Air pollution from livestock farms and lung function decline in neighboring residents over 7 years	<b>Warner van Kersen</b> <i>Institute for Risk Assessment Sciences, Utrecht University, Netherlands</i>
13:00	<b>O30</b> – ExpoMapper: an interactive tool for generating environmental exposures from individual-level geographic coordinates	<b>Justiina Ronkainen</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
13:15	<b>Farewell and closing remarks</b>	
13:30	<b>Symposium ends</b>	
13:30	<b>Lunch</b> (Restaurant Medisiina, Aapistie 5)	

## Poster Walks

Time	Title	Speaker
<b>Wednesday 10<sup>th</sup> June</b>		
<b>13:00</b>	<b>Poster walk 1</b>	<b>Leader: Ulla Lång</b>
	<b>P1</b> – Biotic and abiotic exposure estimated from blood among pregnant women	<b>Ville Pimenoff</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
	<b>P2</b> – The prenatal exposome and childhood asthma in Finland, does climate change play a role?	<b>Warner van Kersen</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
	<b>P3</b> – Metabolites and lipids largely mediate the protective effect of breastfeeding on infant inflammation	<b>Toby Mansell</b> <i>Infection, Immunity and Global Health Theme, Murdoch Children's Research Institute, Australia</i>
	<b>P4</b> – Early-life determinants and at-birth prediction of early childhood caries in a nationwide Finnish birth cohort	<b>Pragathy Kannan</b> <i>Faculty of Medicine, Clinical and Molecular Metabolism Research Program (CAMM), University of Helsinki, Finland</i>
	<b>P5</b> – Early life small quantity lipid-based nutrient supplementation and cognitive ability at 9 years: a follow-up study in Malawi	<b>Yvonne Muthiani</b> <i>Center for Child, Adolescent and Maternal Health Research, Faculty of Medicine and Health Technology, Tampere University and Tampere University Hospital, Finland</i>
	<b>P6</b> – Gendered impact of violence against women on children's growth up to 2-years: analysis of MINIMat longitudinal cohort data from rural Bangladesh	<b>Jannatul Ferdous Antu</b> <i>Maternal and Child Health Division, icddr, Bangladesh</i>
	<b>P7</b> – Maternal and birth predictors of eating disorders in Northern Finland Birth Cohort 1986	<b>Aajna Adoor</b> <i>Research unit of Population Health, University of Oulu, Finland</i>
	<b>P8</b> – Longitudinal dynamics of epigenetic entropy in DNA methylation profiles from the Northern Finland Birth Cohort 1966	<b>Marjan Aziminezhad</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
	<b>P9</b> – Spouses of women with gestational diabetes are at increased risk of ischemic heart disease – FinnGeDi Study	<b>Tea Taskila</b> <i>Research Unit of Clinical Medicine, Medical Research Center, Oulu University Hospital, University of Oulu, Finland</i>
<b>13:00</b>	<b>Poster walk 2</b>	<b>Leader: Johanna Metsälä</b>
	<b>P10</b> – The Flemish perinatal registry: from statutory registration to advances in perinatal health research for over 40 years	<b>Elizaveta Fomenko</b> <i>Study Centre for Perinatal Epidemiology (SPE), Belgium</i>
	<b>P11</b> – Future Finland – the birth of a new nationwide birth cohort	<b>Eero Kajantie</b> <i>Welfare Epidemiology and Monitoring Unit, Finnish Institute for Health and Welfare, Finland</i>

	<b>P12</b> – Future Finland Birth Cohort – piloting recruitment approaches in routine healthcare	<b>Anna Parkkola</b> <i>Welfare Epidemiology and Monitoring Unit, Finnish Institute for Health and Welfare, Finland</i>
	<b>P13</b> – Future Finland Birth Cohort – Applying social and behavioural insights for supporting participant recruitment and communication	<b>Viivi Eskelinen</b> <i>Cultural, Behavioural, and Media Insights Centre, Finnish Institute for Health and Welfare, Finland</i>
	<b>P14</b> – Arctic Biobank – Biobanking infrastructure of the Northern Finland Birth Cohorts for lifelong health and aging research	<b>Maarit Kangas</b> <i>Infrastructure for Population Studies, Arctic Biobank, Northern Finland Birth Cohorts, University of Oulu, Finland</i>
	<b>P15</b> – Using the UK Census Longitudinal Studies to investigate long term change	<b>Estelle Lowry</b> <i>School of Natural and Built Environment, Queen's University Belfast, United Kingdom</i>
	<b>P16</b> – Fostering lifelong resilience and deep pragmatism: A transdisciplinary proposal for integrating 'meta-morality' into longitudinal birth cohort studies	<b>Atiqul Mazumder</b> <i>Department of Psychiatry, Research Unit of Clinical Medicine, University of Oulu, Finland</i>
	<b>P17</b> – Entanglements of science and art – rethinking the ways of distributing knowledge	<b>Kati Leinonen</b> <i>Independent photographic artist, Finland</i>
	<b>P18</b> – Threading age: visualising ageism through participatory data physicalisation	<b>Mireia Manent</b> <i>Project Management, Communications Department, WeDo   Project Intelligence Made Easy, Spain</i>
<b>13:00</b>	<b>Poster walk 3</b>	<b>Leader: Yuan Wang</b>
	<b>P19</b> – Heritability estimation of BMI across early life from birth to age 15: sex-specific insights from the Northern Finland Birth Cohorts 1966 and 1986	<b>Yuhua Fan</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
	<b>P20</b> – Body size and blood pressure of 9-year-old children born preterm or small for gestational age (SGA) in Malawi	<b>Eeva Virtanen</b> <i>Clinical Medicine Research Unit, University of Oulu, Finland</i>
	<b>P21</b> – Adolescent weight gain trajectories and their associations with biological aging: a genetically informed study	<b>Anni Pitkänen</b> <i>Faculty of Sport and Health Sciences, University of Jyväskylä, Finland</i>
	<b>P22</b> – Suboptimal dietary patterns are associated with accelerated biological aging in young adulthood: a study with twins	<b>Suvi Ravi</b> <i>Faculty of Sport and Health Sciences, Gerontology Research Center, University of Jyväskylä, Finland</i>
	<b>P23</b> – Associations of habitual coffee intake with testosterone and cardiometabolic markers: The Northern Finland Birth Cohort 1966 study	<b>Luca Verroest</b> <i>Research Unit of Biomedicine and Internal Medicine, Faculty of Medicine, University of Oulu, Finland</i>
	<b>P24</b> – Prospective bidirectional associations between leisure-time physical activity and adiposity across the transition from middle to old age	<b>Tiina Savikangas</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
	<b>P25</b> – Association with long-term exposure to heat or cold strain measured by UTCI and blood pressure in middle age	<b>Anna Remes</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>

	<b>P26</b> – Intersectional analysis of sex and socioeconomic position on the development of obesity in later life using the Northern Finland Birth Cohort 1966	<b>Khin Yu Yu Hlaing</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
	<b>P27</b> – Sociocultural factors of obesity by different socioeconomic positions across the life-course in high income countries: a systematic review	<b>Fahmida Sarker</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
<b>Thursday 11<sup>th</sup> June</b>		
<b>13:00</b>	<b>Poster walk 4</b>	<b>Leader: Toby Mansell</b>
	<b>P28</b> – DNA methylation in muscle tissue of adults born preterm with very low birth weight: evidence from sibling study	<b>Luliia Averianova</b> <i>Clinical Medicine Research Unit, University of Oulu, Finland</i>
	<b>P29</b> – Sleep duration moderates the cognitive ability in adults born with very low birth weight: a sibling-control actigraphy study	<b>Seyedalireza Mirilavasani</b> <i>Clinical Medicine Research Unit, University of Oulu, Finland</i>
	<b>P30</b> – Body composition in mid-adolescence in relation to preterm birth: a cohort study from rural Bangladesh	<b>Zareen Tasnim</b> <i>Clinical Medicine Research Unit, University of Oulu, Finland</i>
	<b>P31</b> – Being born preterm and having a child in young adulthood: the mediating role of mental health and educational attainment	<b>Abate Belachew</b> <i>Clinical Medicine Research Unit, University of Oulu, Finland</i>
	<b>P32</b> – Preterm birth and relationship status and parenthood in young adulthood – the role of sex and neurosensory impairments	<b>Johanna Metsälä</b> <i>Clinical Medicine Research Unit, University of Oulu, Finland</i>
	<b>P33</b> – Cumulative early-life exposure to climate extremes and childhood wheezing	<b>Giovenale Moirano</b> <i>Department of Medical Sciences, University of Turin, Italy</i>
	<b>P34</b> – Adolescent stress and health in Northern Finland: an intersectional analysis of familial and adolescent perceived social positions	<b>Eetu Haataja</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
	<b>P35</b> – Individual and joint associations of adolescent and young adult alcohol use and smoking with midlife psychological distress – a multicohort study	<b>Noora Berg</b> <i>Department of Healthcare and Social Welfare, Finnish Institute for Health and Welfare, Finland</i>
	<b>P36</b> – Pneumonia morbidity in young and working aged adults; risk factors and immunological properties in a large birth cohort	<b>Pia Holma</b> <i>Research Unit of Biomedicine and Internal Medicine, University of Oulu, Finland</i>
<b>13:00</b>	<b>Poster walk 5</b>	<b>Leader: Subhechcha Bhandari</b>
	<b>P37</b> – Psychiatric disorders in the offspring of mothers with antenatal stress and fatigue	<b>Jesse Kankaala</b> <i>Research Unit of Clinical Medicine, University of Oulu, Finland</i>
	<b>P38</b> – Is maternal antenatal fatigue and stress associated with offspring mental health outcomes?	<b>Tiina Riekkö</b> <i>Research Unit of Clinical Medicine, University of Oulu, Finland</i>

	<b>P39</b> – Gene–environment interactions in mental health trajectories of youth (Youth-GEMs)	<b>Jenni Leppänen</b> <i>Research Unit of Clinical Medicine, University of Oulu, Finland</i>
	<b>P40</b> – Internalizing and externalizing symptoms from youth to adulthood in the normal population: correlates in limbic system morphology	<b>Lassi Björnholm</b> <i>Department of Psychiatry, University of Oulu, Finland</i>
	<b>P41</b> – Parent- and teacher-rated childhood emotional and behavioral problems predicting adulthood depressive symptoms and disorders	<b>Jouko Miettunen</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
	<b>P42</b> – Do psychotic symptoms predict future psychotic disorders in adolescent psychiatry inpatients? A 17-year cohort study	<b>Valentina Kieseppä</b> <i>Research Unit of Clinical Medicine, University of Oulu, Finland</i>
	<b>P43</b> – Prognostic factors for adulthood psychosis in adolescent psychiatry services: a longitudinal total birth cohort study	<b>Ulla Lång</b> <i>Institute for Neuroscience and Cardiovascular Research, University of Edinburgh, United Kingdom</i>
	<b>P44</b> – Association between severity of depressive symptoms and related costs: a Northern Finland Birth Cohort 1966 study	<b>Fahim Tazware Himel</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
	<b>P45</b> – Social capital and depression – a 15-year bidirectional analysis	<b>Johanna Kemppainen</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
	<b>P46</b> – Environmental inequality and mental health: a geospatial analysis in the Northern Finland Birth Cohort 1966	<b>Zahidul Islam Khan</b> <i>Research Unit of Population Health, University of Oulu, Finland</i>
<b>13:00</b>	<b>Poster walk 6</b>	<b>Leader: Ville Pimenoff</b>
	<b>P47</b> – Clinical and therapeutic implications of super-enhancer–driven 3D genome regulation at the 2q3 prostate cancer risk locus	<b>Gong-Hong Wei</b> <i>Disease Networks Research Unit, University of Oulu, Finland</i>
	<b>P48</b> – The conundrum of nc886 – methylation pattern with clear association to ancestral origins with no genetic determinants?	<b>Sonja Rajic</b> <i>Molecular Epidemiology, Faculty of Medicine and Health Technology, Tampere University, Finland</i>
	<b>P49</b> – Effect of infant vitamin D supplementation on epigenome-wide DNA methylation	<b>Helena Hauta-alus</b> <i>Research Program for Clinical and Molecular Metabolism, University of Helsinki, Finland</i>
	<b>P50</b> – Clinical usefulness of genetic risk scores in the prediction of gestational diabetes	<b>Elina Keikkala</b> <i>Research Unit of Clinical Medicine, Medical Research Center, University of Oulu, Finland</i>
	<b>P51</b> – Lower blood cell mitochondrial DNA abundance associates with higher all-cause mortality and aging: a 30-year prospective epidemiological study	<b>Attila Sebe</b> <i>Research Unit of Biomedicine and Internal Medicine, University of Oulu, Finland</i>
	<b>P52</b> – Male Youth BMI is associated with epigenetic pace of aging of their descendants in maternal line in two generations in post WWII Finland	<b>Jo Ciantar</b> <i>Faculty of Medicine and Health Technology, Tampere University, Finland</i>

<b>P53</b> – Fragmented biodiversity in urban residential environment and childhood asthma and atopic dermatitis	<b>Yuan Wang</b> <i>Faculty of Medicine, University of Oulu, Finland</i>
<b>P54</b> – Genetic architecture of pain heterogeneity in endometriosis	<b>Samu Vanhala</b> <i>Infrastructure for Population Studies, Arctic Biobank, Northern Finland Birth Cohorts, University of Oulu, Finland</i>
<b>P55</b> – Implementing brain age prediction models in population-based neuroimaging cohorts	<b>Varsha Jayawardena</b> <i>Neuropsychiatric Research Group, Research Unit of Clinical Medicine, University of Oulu, Finland</i>