

# CURRICULUM VITAE

## 1. Full name

- Miettunen, Jouko Antero
- male

## 2. Nationality, contact information

- Nationality: Finnish
- Address: Center for Life Course Health Research, University of Oulu, PO Box 5000, 90014 Oulu, Finland (office in Aapistie 5A, room KT283)
- Mobile phone: +358 40 7167261
- E-mail: jouko.miettunen@oulu.fi
- homepage: www.joukomiettunen.net
- ORCID ID: [orcid.org/0000-0003-0575-2669](https://orcid.org/0000-0003-0575-2669)
- Scopus Author ID 6701423443

## 3. Education and degrees awarded

- Adjunct Professor (Docent/Reader) (psychiatric epidemiology), University of Oulu, Oulu, Finland, 1.2.2008
- Doctor of Philosophy (psychiatry), Department of Psychiatry, University of Oulu, Oulu, Finland, 22.6.2004
  - dissertation: 'Statistical methods in psychiatric research, with special reference on factor analysis'
- Master of Philosophy (epidemiology), Institute of Public Health, University of Cambridge, Cambridge, U.K., 13.12.2003
- Master of Science (statistics), Department of Mathematics, University of Oulu, Oulu, Finland, 28.5.1998

## 4. Other training, qualifications and skills

- Good skills (teacher level) in statistical programs (STATA, SPSS, Mplus, Amos) and Microsoft Office programs

## 5. Linguistic skills

- native language: Finnish; English (very good), Swedish (satisfactory)

## 6. Current positions

- Professor of Clinical Epidemiology, Center for Life Course Health Research, University of Oulu, Oulu, Finland, 1.1.2014-31.12.2018
- Academy Research Fellow (*akatemiaturkija*, #268336), Center for Life Course Health Research, University of Oulu, Oulu, Finland, 1.9.2013-31.8.2018
- Vice-dean of the University of Oulu Graduate School, University of Oulu, Oulu, Finland, 1.1.2018-31.12.2021

## 7. Previous professional appointments

- University Research Fellow (*yliopistotutkija*), Department of Psychiatry, University of Oulu, Oulu, Finland, 1.8.2009-31.8.2013
- Academy Research Fellow (*akatemiätutkija*, #120479 and #125853), Academy of Finland, Oulu, Finland, 1.8.2007 – 31.7.2008 and 31.3.2009 – 31.7.2009
- Senior Research Fellow (*vanhempi tutkija*), Department of Psychiatry, University of Oulu, Oulu, Finland, 31.3.2005 – 31.12.2008
- Research Doctor of the Academy of Finland (*tutkijatohtori*, #110143), Department of Psychiatry, University of Oulu, Oulu, Finland, 1.8.2005 – 31.7.2007
- Researcher (*tutkija*), Department of Psychiatry, University of Oulu, Oulu, Finland, 30.6.1998 – 28.2.2005
- Teacher (*opettaja*) in statistics, part time, Diaconia Polytechnic, Oulu, Finland, 14.2.-29.5.2002
- Research Associate (*tutkimusapulainen*), part time, Department of Psychiatry, University of Oulu, Oulu, Finland, 1.5.1997–30.5.1998

## 8. Major research funding and academic leadership, student supervision

- Selected grants as post-doc researcher:
  - 425.005 Euro from Academy of Finland (#268336) for Academy Research Fellow post (2013-2018)
  - 330.000 Euro from Academy of Finland (#273965) for research cost of Academy Research Fellow (2013-2016)
  - 220.000 Euro from Academy of Finland (#303696) for research cost of Academy Research Fellow (2016-2018)
  - 30.000 Euro from Finnish Cancer Foundation (2017)
  - 30.000 Euro from Northern Finland Health Care Support Foundation for post doc –research 2013
  - 100.000 US Dollars Independent Investigator award from NARSAD: The Brain and Behavior Research Fund (2010-2012)
  - 23.591 Euro from EVO funding (*erityisvaltionosuus*), Ministry of Social Affairs and Health (2012)
  - 20.000 Euro from Jalmari and Rauha Ahokas Foundation for post doc –research 2012
  - 21.150 Euro from EVO funding (*erityisvaltionosuus*), Ministry of Social Affairs and Health (2011)
  - 30.580 Euro from Academy of Finland (#125853) for Academy Research Fellow post (2009)
  - 49.620 Euro from Academy of Finland (#120479) for Academy Research Fellow post (2007-2008)
  - 11.980 Euro from Academy of Finland (#213760) for research visit to Imperial College London, U.K. (2005-2006)
- The applicant has been the chair of Oulu Psychiatric Epidemiology Society (OPES) since the foundation of the society (2007), on behalf of this organization the applicant has received five grants in total 53.500 Euro from three foundations (Finnish Medical Association, Federation of Finnish Learned Societies, Paulo Medical Foundation)
- Dissertation supervisor (Psychiatry, University of Oulu) since 2004, finished studies (12):
  - Haapea Marianne, PhD (Selection and information bias in psychiatric research) [2010] (assistant supervisor)

- Mäkinen Johanna, MScD (Methods of search and analysis of published schizophrenia research) [2010] (principal supervisor)
- Penttilä Matti, MScD (Duration of untreated psychosis - the Northern Finland 1966 Birth Cohort) [2013] (assistant supervisor)
- Juola Pauliina, MScD (Outcome in schizophrenia and its predictors - the Northern Finland 1966 Birth Cohort) [2015] (assistant supervisor)
- Keskinen Emmi, MScD (Familial risk and its associations to risk factors for psychoses - the Northern Finland 1966 Birth Cohort) [2015] (principal supervisor)
- Rissanen Ina, MScD (Nervous system medications and suicidal ideation and behaviour. The Northern Finland Birth Cohort 1966) [2015] (principal supervisor, Finnish Psychiatric Research Foundation thesis award 2015)
- Roivainen Eka, PhD (Validity in psychological measurement: an investigation of norms) [2015] (principal supervisor)
- Moilanen Jani, MScD (The use of antipsychotic medication and its association with outcomes and brain morphometry in schizophrenia – the Northern Finland Birth Cohort 1966 Study) [2016] (assistant supervisor)
- Ramsay Hugh, MScD (Familial risk and adverse cognitive outcomes in psychotic disorders) [2017] (assistant supervisor)
- Hulkko Anja, MScD (Cognition and psychiatric medication in schizophrenia) [2017] (assistant supervisor)
- Filatova Svetlana, PhD (Trends and interactions of risk factors in psychotic disorders – Northern Finland Birth cohorts studies) [2018] (principal investigator)
- Huhtaniska Sanna, MScD (Predictors for changes in brain morphology in schizophrenia) [2018] (principal investigator)
- Ongoing registered dissertations, principal supervisor (5)
  - Immonen Johanna, MSc, BMed (Onset age and outcome in schizophrenia)
  - Käkälä Juha, MSc, MD (Family history of psychosis and outcome of schizophrenia)
  - Kinnunen Lotta, MD (How parents' somatic illness affects their children's mental health)
  - Mustonen Antti, MD (Substance use as risk factor for psychoses)
  - Vladimirov, Daniel, BMed (Longitudinal study on alcohol use – Northern Finland Birth Cohort 1966)
- Ongoing registered dissertations, assistant supervisor (7)
  - Ikonen Helmi, MD (Vitamin D in schizophrenia and other psychosis – Northern Finland Birth Cohort 1966)
  - Karppanen Anna-Kaisa, MHS (Motor and socioemotional development, temperament and physical activity – Northern Finland Birth Cohort 1966)
  - Koski Tomi, MD (Temperament and work – Northern Finland Birth Cohort 1966)
  - Nedelec Rozenn, MSc (Work-related stress and obesity - the Northern Finland Birth Cohort 1966)
  - Salovaara Jaakko, MA (Temperament and education and occupation – Northern Finland Birth Cohort 1966)
  - Seppälä Annika, BMed (Treatment resistant schizophrenia – risk factors, treatment and prognosis)
  - Taka-Eilola Tiina, MD (Parental severe mental disorders and psychosis in the offspring – the Northern Finland Birth Cohort 1966 and 1986)
- Master thesis supervisor (Statistics): Merja Kyllönen, MSc (University of Oulu), Riikka Marttila, MSc (University of Jyväskylä)
- Medical advanced thesis supervisor (Medical faculty, University of Oulu) 2004- (33 finished and 11 ongoing students; most supervised theses at the medical faculty of Univ Oulu in 2014)

## 9. Major teaching duties and pedagogical competence

- University pedagogy, 25 credits, Faculty of Education, University of Oulu, Oulu, Finland, 22.5.2014
- Vice-responsible person (PhD studies responsible) of doctoral degrees, Medical Faculty, University of Oulu
- Chair and main teacher in the Oulu Psychiatric Epidemiology Society (OPES) (2007-)

- I had my demonstration lecture for the docentship (adjunct professor) in November 26th 2007 in the Medical Faculty of the University of Oulu. My topic was epidemiology of schizophrenia. The feedback of my demonstration lecture was very positive (grade: 5/5).
- Several lectures on critical appraisal of science (UOulu, UHelsinki and national conferences)
- Lectures in statistics and research planning for medical students, Medical Faculty, University of Oulu, 2010-
- Lectures on factor analyses and related issues in the National Research School in Nursing Science, Oulu, Finland, 2006
- Tutor of medical students in the tutor program at the medical faculty of the University of Oulu (2013-)
- Mentor of doctoral student in the mentor program at the University of Oulu Graduate School (2017)

## 10. Scientific awards and honours

- Independent Investigator award from NARSAD: The Brain and Behavior Research Fund, 2010 (Dr. Mortimer D. Sackler Developmental Psychobiology Research Program Investigator)
- Honorary Research Fellow, Department of Epidemiology and Public Health, Division of Epidemiology, Public Health and Primary Care, Imperial College London, U.K. (1.11.2005-30.10.2012)
- Best publication for the student for year 2014 by the Finnish Psychiatric Association (Husa et al. 2014)
- Thesis award for the student (Psychiatric Research Foundation; Ina Rissanen, 2015)

## 11. Other scientific or academic merits and activities

- Examiner for doctoral dissertations (Univ Tampere 2008, Univ Turku 2014, Univ Helsinki 2016, Finland), for docentship applications (Univ Helsinki 2015; Univ Turku 2015, Finland), and external reviewer for master thesis (Univ Cambridge, UK, 2015)
- Referee for grant applications for the European Research Council (ERC), Czech Academy of Sciences (CAS), Netherlands organization for health research and development (ZonMw), and Slovenian Research Agency (RSA)
- Member of the research team in three ongoing EU projects (m-Resist, LIFECYCLE and DynaHealth) and local PI in one ended project (MARATONE)
- Panel vice-chair in the national Publication Forum (*julkaisufoorumi*) (2018-2021)
- Founding member of the Cambridge University Finnish Society 2002-
- Member of the Finnish Society for Biostatistics 2012-
- Member of editorial board of “Psychological Medicine” (2011-), “World Journal of Psychiatry” (2011-), “World Journal of Meta-analysis” (2013-), and “Schizophrenia Research and Treatment” (2009-)
- Referee statements to 28 national and international scientific journals (2000-)
- Member of the doctoral training committee for Health and Biosciences of the University of Oulu (2014-2017)
- Member of the Scientific Committee (2012-) of the Northern Finland Birth Cohorts
- Member of the Scientific Advisory Board of the Medical Research Center Oulu (2017-)
- Member of the Executive Group of the Medical Faculty Science Day of the University of Oulu (2012 and 2013)

- President of the international conferences “Current Knowledge in Psychiatric Epidemiology”, Oulu, Finland, 2009 (123 participants from 6 countries) and joint president of the “Schizophrenia – Epidemiology and Biology”, Oulu, Finland, 2012 (147 participants from 24 countries)
- keynote speaker and member of organization committee in the Euro Global Summit and Medicare Expo on Psychiatry (Barcelona, Spain 2015)

## 12. Scientific and societal impact of research

- In total 222 scientific publications
  - 18 publications as the first and 30 as the last author
  - 184 original research articles in journals, peer reviewed, original research (A1)
  - 18 review articles in journals, peer reviewed (A2)
  - 4 chapters in research books (A3), 5 unrefereed journal articles (B1), 1 edited book (C2), 7 articles in special journals (D1), 2 master theses (G2), 1 doctoral thesis (G5)
- h-index = 33, total citations 3020, without self-citations 2719 (Web of Science, 26.2.2017)
- Five most cited articles (Web of Science, 26.2.2017)
  - Herva A, et al. Obesity and depression: Results from the longitudinal Northern Finland 1966 Birth Cohort Study. *Int J Obes* 2006; 30:520-7. (150 citations)
  - Munafò MR, et al. 5-HTTLPR Genotype and anxiety-related personality traits: a meta-analysis and new data. *Am J Med Genet B Neuropsychiatr Genet* 2009; 150B:271-81. (129 citations)
  - Koskinen J, ..., Miettunen J. Rate of cannabis use disorders in clinical samples of patients with schizophrenia: a meta-analysis. *Schizophr Bull* 2010; 36:1115-30. (87 citations)
  - Joukamaa M, Miettunen J, et al. Psychometric properties of the Finnish 20-item Toronto Alexithymia Scale. *Nord J Psychiatry* 2001; 55:123-7. (84 citations) [original paper of my doctoral thesis]
  - Moilanen K, et al. Reasons for the diagnostic discordance between clinicians and researchers in the Northern Finland 1966 Birth Cohort. *Soc Psychiatry Psychiatr Epidemiol* 2003; 38:305-10. (84 citations)
- Approximately 35 oral and 40 poster presentations in different conferences and seminars, over 380 published conference abstracts

# JOUKO MIETTUNEN - LIST OF PUBLICATIONS

## A1 Journal article-refereed, Original research

1. Tienari P, Wynne LC, Moring J, Läksy K, Nieminen P, Sorri A, Lahti I, Wahlberg K-E, Naarala M, Kurki-Suonio K, Saarento O, Koistinen P, Tarvainen T, Hakko H, Miettunen J. Finnish Adoptive Family Study: Sample selection and adoptee DSM-III-R diagnoses. *Acta Psychiatr Scand* 2000; 101:433-43. doi:10.1034/j.1600-0447.2000.101006433.x (IF = 3.857)
2. Timonen M, Miettunen J, Hakko H, Järvelin M-R, Veijola J, Kinnunen J, Räsänen P. Psychiatric admissions at different levels of the national health care services and male criminality: The Northern Finland 1966 Birth Cohort Study. *Soc Psychiatry Psychiatr Epidemiol* 2000; 35:198-201. doi:10.1007/s001270050228 (IF = 1.577)
3. Joukamaa M, Miettunen J, Kokkonen P, Koskinen M, Julkunen J, Kauhanen J, Jokelainen J, Veijola J, Läksy K, Järvelin M-R. Psychometric properties of the Finnish 20-item Toronto Alexithymia Scale. *Nord J Psychiatry* 2001; 55:123-7. doi:10.1080/08039480116694 (IF = 0.789)
4. Sauvola A, Miettunen J, Järvelin M-R, Räsänen P. An examination between single-parent family background and drunk driving in adulthood: Findings from the Northern Finland 1966 Birth Cohort. *Alcohol Clin Exp Res* 2001; 25:206-9. doi:10.1111/j.1530-0277.2001.tb02200.x (IF = 2.933)
5. Timonen M, Hakko H, Miettunen J, Koskinen O, Zitting P, Karvonen JT, Herva A, Räsänen P. Association between atopic disorders and depression: Findings from the Northern Finland 1966 Birth Cohort Study. *Am J Med Genet B Neuropsychiatr Genet* 2001; 105:216-7. doi:10.1002/ajmg.1199 (IF = 4.463)
6. Wahlberg K-E, Wynne LC, Keskkitalo P, Nieminen P, Moring J, Läksy K, Sorri A, Koistinen P, Tarvainen T, Miettunen J, Tienari P. Long-term stability of communication deviance. *J Abnorm Psychol* 2001; 110:443-8. doi:10.1037//0021-843X.110.3.443 (IF = 4.463)
7. Miettunen J, Nieminen P, Isohanni M. Statistical methodology in general psychiatric journals. *Nord J Psychiatry* 2002; 56:223-8. doi:10.1080/080394802317607219 (IF = 0.789)
8. Timonen M, Miettunen J, Hakko H, Zitting P, Veijola J, von Wendt L, Räsänen P. The association of preceding traumatic brain injury with mental disorders, alcoholism and criminality: The Northern Finland 1966 Birth Cohort study. *Psychiatry Res* 2002; 113:217-26. doi:10.1016/S0165-1781(02)00269-X (IF = 2.310)
9. Miettunen J, Nieminen P. The effect of statistical methods and study reporting characteristics on the number of citations: a study of four general psychiatric journals. *Scientometrics* 2003; 57:379-90. doi:10.1023/A:1025056718587 (IF = 1.363)
10. Moilanen K, Veijola J, Läksy K, Mäkiyö T, Miettunen J, Kantojärvi L, Kokkonen P, Karvonen J, Herva A, Joukamaa M, Järvelin M-R, Moring J, Jones P, Isohanni M. Reasons for the diagnostic discordance between clinicians and researchers in schizophrenia in the Northern Finland 1966 Birth Cohort. *Soc Psychiatry Psychiatr Epidemiol* 2003; 38:305-10. doi:10.1007/s00127-003-0638-z (IF = 1.577)
11. Timonen M, Mäkiyö T, Miettunen J, Hakko H, Zitting P, Kinnunen J, Räsänen P. Somatic morbidity and criminality: the Northern Finland 1966 Birth Cohort Study. *Forensic Sci Int* 2003; 132:68-75. doi:10.1016/S0379-0738(02)00456-5 (IF = 1.397)
12. Koskinen J, Isohanni M, Kotiranta H, Lauronen E, Koponen H, Tienari P, Miettunen J. Finnish doctoral theses on schizophrenia – Descriptive and bibliometric analysis. *Psychiatria Fennica* 2004; 35:46-67. (No IF)
13. Metsänen M, Wahlberg K-E, Saarento O, Tarvainen T, Miettunen J, Koistinen P, Läksy K, Tienari P. Early presence of thought disorder as a prospective sign of mental disorder. *Psychiatry Res* 2004; 125:193-203. doi:10.1016/j.psychres.2004.01.002 (IF = 2.310)
14. Miettunen J, Kantojärvi L, Ekelund J, Veijola J, Karvonen JT, Peltonen L, Järvelin M-R, Freimer N, Lichtermann D, Joukamaa M. A large population cohort provides normative data for investigation of temperament. *Acta Psychiatr Scand* 2004; 110:150-7. doi:10.1111/j.1600-0047.2004.00344.x (IF = 3.857)
15. Pyykkö AK, Ala-Kokko TI, Laurila JJ, Miettunen J, Finnberg M, Hentinen M. Validation of the new intensive care nursing scoring system (ICNSS). *Intensive Care Med* 2004; 30:254-9. doi:10.1007/s00134-003-2040-4 (IF = 4.406)
16. Pyykkö AK, Ala-Kokko TI, Laurila JJ, Miettunen J, Finnberg M, Hentinen M. Nursing staff resources in direct patient care: comparison of TISS and ICNSS. *Acta Anaesthesiol Scand* 2004; 48:1003-5. doi:10.1111/j.0001-5172.2004.00471.x (IF = 1.863)
17. Siira V, Wahlberg K-E, Miettunen J, Läksy K, Tienari P. Psychometric deviance measured by MMPI in adoptees at high-risk for schizophrenia and their adoptive controls. *J Pers Assess* 2004; 83:14-21. doi:10.1207/s15327752jpa8301\_02 (IF = 1.175)
18. Wahlberg K-E, Wynne LC, Hakko H, Läksy K, Moring J, Miettunen J, Tienari P. Interaction of genetic risk and adoptive parent communication deviance: Longitudinal prediction of adoptee psychiatric disorders. *Psychol Med* 2004; 34:1531-42. doi:10.1017/S0033291704002661 (IF = 3.816)
19. Hurtig T, Taanila A, Ebeling H, Miettunen J, Moilanen I. Attention and behavioural problems of Finnish adolescents may be related to family environment. *Eur Child Adolesc Psychiatry* 2005; 14:471-8. doi:10.1007/s00787-005-0492-5 (IF = 1.829)
20. Karvonen J, Veijola J, Kokkonen P, Läksy K, Miettunen J, Joukamaa M. Somatization and alexithymia in young adult Finnish population. *Gen Hosp Psychiatry* 2005; 27:244-9. doi:10.1016/j.genhosppsy.2005.04.005 (IF = 2.500)
21. Lauronen E, Koskinen J, Veijola J, Miettunen J, Jones PB, Fenton W, Isohanni M. Recovery from schizophrenic psychoses within the Northern Finland 1966 Birth Cohort. *J Clin Psychiatry* 2005; 66:375-83. (IF = 5.533)
22. Tanskanen P, Veijola JM, Piippo UK, Haapea M, Miettunen JA, Pyhtinen J, Bullmore ET, Jones PB, Isohanni MK. Hippocampus and amygdala volumes in schizophrenia and other psychoses in the Northern Finland 1966 birth cohort. *Schizophr Res* 2005; 75:283-94. doi:10.1016/j.schres.2004.09.022 (IF = 4.264)
23. Tienari P, Wynne LC, Sorri A, Lahti I, Moring J, Nieminen P, Joukamaa M, Naarala M, Seitamaa M, Wahlberg K-E, Miettunen J. Observing relationships in Finnish adoptive families. Oulu Family Rating Scale. *Nord J Psychiatry* 2005; 59:253-63. doi:10.1080/08039480500227683 (IF = 0.789)

24. Alaräsänen A, Miettunen J, Lauronen E, Räsänen P, Isohanni M. Good school performance is a risk factor for suicide in psychoses. A 35-year follow-up of The Northern Finland 1966 Birth Cohort. *Acta Psychiatr Scand* 2006; 114:357-62. doi:10.1111/j.1600-0447.2006.00800.x (IF = 3.857)
25. Herva A, Laitinen J, Miettunen J, Veijola J, Karvonen JT, Läksy K, Joukamaa M. Obesity and depression: Results from the longitudinal Northern Finland 1966 Birth Cohort Study. *Int J Obes* 2006; 30:520-7. doi:10.1038/sj.ijo.0803174 (IF = 4.055)
26. Herva A, Räsänen P, Miettunen J, Timonen M, Läksy K, Veijola J, Laitinen J, Joukamaa M. Co-occurrence of metabolic syndrome with depression and anxiety in young adults: The Northern Finland 1966 Birth Cohort Study. *Psychosom Med* 2006; 68:213-6. doi:10.1097/01.psy.0000203172.02305.ea (IF = 3.857)
27. Isohanni M, Miettunen J, Mäki P, Murray G, Ridler K, Lauronen E, Moilanen K, Alaräsänen A, Haapea M, Isohanni I, Ivleva E, Tamminga C, McGrath J, Koponen H. Risk factors for schizophrenia. Follow-up data from the Northern Finland 1966 Birth Cohort Study. *World Psychiatry* 2006; 5:168-71. (No IF)
28. Kanste O, Miettunen J, Kyngäs H. Factor structure of the Maslach Burnout Inventory among Finnish nursing staff. *Nurs Health Sci* 2006; 8:201-7. doi:10.1111/j.1442-2018.2006.00283.x (No IF)
29. Karvonen JT, Veijola J, Kantojärvi L, Miettunen J, Ekelund J, Lichtermann D, Läksy K, Joukamaa M. Temperament profiles and somatization – an epidemiological study of young adult people. *J Psychosom Res* 2006; 61:841-6. doi:10.1016/j.jpsychores.2006.06.014 (IF = 2.322)
30. Kotiranta H, Isohanni M, Kortelainen T, Koskinen J, Miettunen J. Impaktilukuun perustuvien arviointimenetelmien vertailu - Esimerkinä suomalaisen skitsofreniatutkimus (Comparison of evaluation methods based on impact factor – Finnish schizophrenia research, in Finnish). *Suom Laakaril* 2006; 61:1879-82. (No IF)
31. Miettunen J, Kantojärvi L, Veijola J, Järvelin M-R, Joukamaa M. International comparison of Cloninger's temperament dimensions. *Pers Individ Dif* 2006; 41:1515-26. doi:10.1016/j.paid.2006.06.006 (IF = 1.423)
32. Miettunen J, Lauronen E, Veijola J, Koponen H, Saarento O, Isohanni M. Patterns of psychiatric hospitalizations in schizophrenic psychoses within the Northern Finland 1966 Birth Cohort. *Nord J Psychiatry* 2006; 60:286-93. doi:10.1080/08039480600790168 (IF = 0.789)
33. Murray GK, Jones PB, Moilanen K, Veijola J, Miettunen J, Cannon TD, Isohanni M. Infant motor development and adult cognitive functions in schizophrenia. *Schizophr Res* 2006; 81:65-74. doi:10.1016/j.schres.2005.08.016 (IF = 4.264)
34. Murray GK, Veijola J, Moilanen K, Miettunen J, Glahn DC, Cannon TD, Jones PB, Isohanni M. Infant motor development is associated with adult cognitive categorisation in a longitudinal birth cohort study. *J Child Psychol Psychiatry* 2006; 47:25-9. doi:10.1111/j.1469-7610.2005.01450.x (IF = 4.404)
35. Penninkilampi-Kerola V, Miettunen J, Ebeling H. A comparative assessment of the factor structures and psychometric properties of the GHQ-12 and GHQ-20 based on data from a Finnish population based sample. *Scand J Psychol* 2006; 47:431-40. doi:10.1111/j.1467-9450.2006.00551.x (IF = 0.607)
36. Ridler K, Veijola JM, Tanskanen P, Haapea M, Miettunen J, Pyhtinen J, Suckling J, Murray GK, Jones PB, Isohanni MK, Bullmore ET. Fronto-cerebellar systems are associated with infant motor and adult executive functions in healthy adults but not in schizophrenia. *Proc Natl Acad Sci U S A* 2006; 103:15651-6. (IF = 9.643)
37. Siira V, Wahlberg K-E, Miettunen J, Tienari P, Läksy K. Differentiation of adoptees at high versus low genetic risk for schizophrenia by adjusted MMPI indices. *Eur Psychiatry* 2006; 21:245-50. doi:10.1016/j.eurpsy.2006.01.007 (IF = 1.463)
38. Wynne LC, Tienari P, Nieminen P, Sorri A, Lahti I, Moring J, Naarala M, Läksy K, Wahlberg K-E, Miettunen J. I. Genotype-environment interaction in the schizophrenia spectrum: genetic liability and global family ratings in the Finnish Adoption Study. *Fam Process* 2006; 45:419-34. doi:10.1111/j.1545-5300.2006.00180.x (IF = 0.935)
39. Haapea M, Miettunen J, Veijola J, Lauronen E, Tanskanen P, Isohanni M. Non-participation may bias the results of a psychiatric survey. An analysis from the survey including magnetic resonance imaging within the Northern Finland 1966 Birth Cohort. *Soc Psychiatry Psychiatr Epidemiol* 2007; 42:403-9. doi:10.1007/s00127-007-0178-z (IF = 1.944)
40. Hurtig T, Ebeling H, Taanila A, Miettunen J, Smalley S, McGough J, Loo S, Järvelin M-R, Moilanen I. ADHD and comorbid disorders in relation to family environment and symptom severity. *Eur Child Adolesc Psychiatry* 2007; 16:362-369. doi:10.1007/s00787-007-0607-2 (IF = 1.992)
41. Hurtig T, Ebeling H, Taanila A, Miettunen J, Smalley SL, McGough JJ, Loo SK, Järvelin M-R, Moilanen IK. ADHD symptoms and subtypes: changes from childhood to adulthood. *J Am Acad Child Adolesc Psychiatry* 2007; 46:1605-1613. doi:10.1097/chi.0b013e318157517a (IF = 4.655)
42. Joukamaa M, Taanila A, Miettunen J, Karvonen JT, Koskinen M, Veijola J. Epidemiology of alexithymia among adolescents. *J Psychosom Res* 2007; 63: 373-376. doi:10.1016/j.jpsychores.2007.01.018 (IF = 1.859)
43. Kanste O, Miettunen J, Kyngäs H. Psychometric properties of the Multifactor Leadership Questionnaire among nursing staff. *J Adv Nurs* 2007; 57:201-31. doi:10.1111/j.1365-2648.2006.04100.x (IF = 1.442)
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## **A2 Review article, Literature review, Systematic review**

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210. Koskinen J, Miettunen J, Tienari P, Lauronen E, Koponen H, Alaräisänen A, Isohanni M. Research on Schizophrenia in Finland – A review. *Psychiatria Fennica* 2004; 35:9-30.
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225. Molins C, Roldán A, Corripio I, Isohanni M, Miettunen J, Seppälä J, Koponen H, Moilanen J, Jääskeläinen E, m-RESIST Group. Response to antipsychotic drugs in treatment-resistant schizophrenia: Conclusions based on systematic review. *Schizophr Res* 2016; 178:64-67. doi:10.1016/j.schres.2016.09.016 (IF = 3.923, JUFO = 1)
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### A3 Book section, Chapters in research books

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229. Nieminen P, Miettunen J, Koponen H, Isohanni M. Avances históricos en la metodología estadística y su contribución al desarrollo de la psicofarmacología (Advances in statistical methodology and its significance in the psychopharmacology development, in Spanish). In: Historia de la Psicofarmacología (Eds. Muñoz FL, Alamo C). Editorial Médica Panamericana, 461-475, 2005. (No IF, book chapter)
230. Miettunen J, Suvisaari J, Haukka J, Isohanni M. Use of register data for psychiatric epidemiology in the Nordic countries. In: Textbook in Psychiatric Epidemiology, 3rd edition, Eds. Tsuang M, Tohen M, Jones P, pp. 117-31. Wiley-Blackwell, 2011. (No IF, book chapter)
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### B1 Unrefereed journal articles

232. Alaräisänen A, Miettunen J, Isohanni M, Lauronen E, Räsänen P. Letter to the editor. Reply (letter). Acta Psychiatr Scand 2007; 115:335. doi:10.1111/j.1600-0447.2006.00986.x
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236. Miettunen J. Miten suomalaiset voivat psyykkisesti? (How Finnish people are doing mentally? In Finnish, editorial). Suom Laakaril 2015; 70:1715.
237. Conlin A, Miettunen J. Personality traits and portfolio tilts towards value and size (August 14, 2017). Available at SSRN: <https://ssrn.com/abstract=3018383>.
238. Isohanni M, Miettunen J, Jääskeläinen E, Moilanen J, Hulkko A, Huhtaniska S. Under-utilized opportunities to optimize medication management in long-term treatment of schizophrenia (comment). World Psychiatry, accepted. doi:10.1002/wps.20523 (IF = 26.561, JUFO = 1)

### C2 Book (editor)

239. Haapea M, Miettunen J, Jääskeläinen E, Alaräisänen A, Nordström T, Penttilä M (eds.). XXIV Paulo International Medical Symposium. Schizophrenia - Epidemiology and Biology. 18.-20.6.2012, Oulu, Finland. Book of abstracts. ISBN 978-951-42-9852-3. Multiprint, Oulu, Finland, 2012.

### D1 Articles in special journal

240. Isohanni M, Miettunen J, Koponen H. Mikä ohjaa lääkärin kliinistä toimintaa ja päätöksentekoa (Tools for guiding a physicians' clinical decision making, in Finnish). Suom Laakaril 2004; 59:1415-7.
241. Isohanni M, Koskinen J, Lauronen E, Alaräisänen A, Karhu M, Miettunen J, Murray G. Effekten av långtidsbehandling av schizofrena psykoser (Effectiveness of long-term treatment of schizophrenic psychoses, in Swedish). Fin Lakaresallsk Handl 2005; 165:39-42.
242. Isohanni M, Kotiranta H, Miettunen J, Nieminen P, Tienari P. Vertaisarviointi – käyttökelpoinen laadun parantaja ja ylläpitäjä tieteellisessä tutkimuksessa (Peer review – useful improver and maintainer of quality in scientific research, in Finnish). Duodecim 2006; 122:913-7.
243. Heikkinen J, Isohanni M, Miettunen J. Lääketieteen kirjallisuustietokannat ja tiedonhaku (Searching for information in medical databases, in Finnish). Suom Laakaril 2007; 22:2165-70.
244. Mäkinen J, Miettunen J, Isohanni M, Koponen H. Skitsofrenian negatiiviset oireet (Negative symptoms in schizophrenia, in Finnish). Duodecim 2007; 123:911-6.
245. Jääskeläinen E, Karhu M, Alaräisänen A, Isohanni M, Miettunen J. Skitsofrenian ennuste Suomessa (Outcome of schizophrenia in Finland, in Finnish). Suom Laakaril 2010; 20: 1807-14.
246. Jääskeläinen E, Miettunen J. Psykiatriset arviointiasteikot kliinisessä työssä (Psychiatric rating scales in clinical work, in Finnish). Duodecim 2011; 127:1719-25.
247. Jääskeläinen E, Isohanni M, Seppälä J, Seppälä A, Miettunen J, Koponen H. Hoitoresistentin skitsofrenia hoitomahdollisuudet (Treatment options in treatment resistant schizophrenia, in Finnish). Duodecim, in press. (No IF, JUFO = 1)

### G2 Master theses

248. Miettunen J. Reliabiliteettikertoimet ja niiden käyttö psykiatrisessa tutkimuksessa (Reliability coefficients and their use in psychiatric research, in Finnish). Master of Science -thesis. Matemaattisten tieteiden laitos, Oulun yliopisto, Oulu, Finland, 1998.
249. Miettunen J. Environmental epidemiology of psychoses in Nottingham – social deprivation and incidence of psychoses in 1992-94 and 1997-99. Master of Philosophy -thesis. Institute of Public Health, University of Cambridge, Cambridge, UK, 2003.



### **G5 Doctoral theses based on original articles**

250. Miettunen J. Statistical methods in psychiatric research, with special reference on factor analysis. Dissertation. Acta Universitatis Ouluensis, D788. Oulu University Press, Oulu, Finland, 2004.