

Curriculum Vitae

Personal
information

Maria Paile Hyvarinen

Work
experience

1. Employer: Finnish Medicines Agency
2.
 - Start date: 052018
 - End date: ongoing
 - Position: Senior medical officer
 - Activities: Clinical assessor. Assessment of efficacy, safety and immunology in the area of pain and anesthesiology, systemic hormonal treatments, biological agents for treatment of autoimmune diseases, biosimilars, herbal medicinal products. Member of HMPC since 10/2020
 - Country: Finland
3. Employer: City of Helsinki, Aurora Psychiatric Hospital
4.
 - Start date: 102017
 - End date: 052018
 - Position: specializing physician (Psychiatry)
 - Activities: treating physician
 - Country: Finland
5. Employer: The Hospital District of Helsinki and Uusimaa (HUS), Department of clinical pharmacology
6.
 - Start date: 032017
 - End date: 092017
 - Position: Postdoctoral researcher
 - Activities: research in pharmacokinetic interactions
 - Country: Finland
7. Employer: The Hospital District of Helsinki and Uusimaa (HUS), Pain clinic
8.
 - Start date: 012017
 - End date: 072017

- Position: specializing physician (Clinical pharmacology)
- Activities: treating physician
- Country: Finland

9. Employer: The Hospital District of Helsinki and Uusimaa (HUS), Department of clinical pharmacology

- 10.
- Start date: 092013
 - End date: 122016
 - Position: specializing physician (Clinical pharmacology)
 - Activities: research in pharmacokinetic interactions, consulting services, teaching
 - Country: Finland

11. Employer: Terveystieteiden tutkimuskeskus

- 12.
- Start date: 012016
 - End date: 042016
 - Position: Physician at geriatric hospital ward (Kivelän sairaalan arviointi- ja kuntoutuksasto)
 - Activities: treating physician
 - Country: Finland

7. 2009 to 2013 Recurrent part-time and full-time assignments as general practitioner at Lääkärikeskusyhdytys and Mehiläinen

8. 2012 Family doctor/general practitioner at several nursing homes

9. Employer: City of Helsinki, Malmi health centre

- 10.
- Start date: 102010
 - End date: 122011
 - Position: general practitioner
 - Activities: treating physician
 - Country: Finland

11. 2005-2011 Doctoral student at the National Institute for Health and Welfare

12. 2002-2010 Recurrent periodical assignments at the City of Helsinki and City of Porvoo as Hospital physician in the emergency department, internal medicine.

Education and training

1. Subject: Specialist in clinical pharmacology and pharmacotherapy

- 2.
- Start date: 2013
 - End date: 2017

- Qualification: Specialist in clinical pharmacology and pharmacotherapy: evidence based medicine, therapeutic drug monitoring, drug-drug interactions, pharmacokinetics, pharmacogenomics, psychopharmacology, pain management
- Organisation: University of Helsinki
- Country: Finland

3. Subject: PhD in medicine, Doctoral thesis

4.
 - Start date: 2005
 - End date: 2013
 - Qualification: PhD in medicine
 - Organisation: University of Helsinki
 - Country: Finland

5. Subject: MD

6.
 - Start date: 1998
 - End date: 2005
 - Qualification: Medical Doctor
 - Organisation: University of Helsinki
 - Country: Finland

Additional information

Publications

Publications:

1. Paile_Hyvärinen, M., & Niemi, M. (2015). Voiko lääkehoitojen hyötyjä lisätä ja haittoja vähen_tää farmakogeneettisen tiedon avulla? Sic! Lääketietoa Fimeasta, (2), 34.
http://sic.fimea.fi/2_2015/voiko_laakehoitojen_hyotyja_lisata_ja_haittoja_vahentaa
2. Paile_Hyvärinen, M., Niemi, M., Isohanni, M., Olkkola, K., & Backman, J. (2014). Kodeinin sudenkuopat ja uudet vasta_aiheet . Suomen Lääkärilehti, 69(38), 2385 _ 2388. http://www.fimnet.fi/cgi_cug/brs/artikkeli.cgi?docn=000041739
3. Paile_Hyvarinen, M., Kajantie, E., Raikonen, K., Henriksson, M., Leskinen, J. T., Laaksonen, I., . . . Eriksson, J. G. (2009). Intellectual ability in early adulthood and type 2 diabetes in later life. Acta Diabetologica, 46(3), 249_252.
doi:10.1007/s00592_009_0102_y [doi]
4. Paile_Hyvarinen, M., Raikonen, K., Forsen, T., Kajantie, E., Yliharsila, H., Salonen, M. K., . . . Eriksson, J. G. (2007). Depression and its association with diabetes, cardiovascular disease, and birth weight. Annals of Medicine, 39(8), 634_640. doi:781790477 [pii]
5. Paile_Hyvarinen, M., Raikonen, K., Kajantie, E., Darby, D., Yliharsila, H., Salonen, M. K., . . . Eriksson, J. G. (2009). Impact of glucose metabolism and birth

size on cognitive performance in elderly subjects. *Diabetes Research and Clinical Practice*, 83(3), 379_386. doi:10.1016/j.diabres.2008.12.010 [doi]

6. Paile-Hyvarinen, M., Wahlbeck, K., & Eriksson, J. G. (2003). Quality of life and metabolic status in mildly depressed women with type 2 diabetes treated with paroxetine: A single-blind randomised placebo controlled trial. *BMC Family Practice*, 4, 7. doi:10.1186/1471_2296_4_7 [doi]
7. Paile-Hyvarinen, M., Wahlbeck, K., & Eriksson, J. G. (2007). Quality of life and metabolic status in mildly depressed patients with type 2 diabetes treated with paroxetine: A double-blind randomised placebo controlled 6-month trial. *BMC Family Practice*, 8, 34. doi:1471_2296_8_34 [pii]
8. Paile-Hyvärinen, M. (2011_03_25). Depression and cognition in type 2 diabetes from a life course perspective. Helsingin yliopisto. Doctoral thesis: http://urn.fi/URN:ISBN:978_952_245_434_8
9. Lehtisalo M, Taskinen S, Tarkiainen EK, Neuvonen M, Viinamäki J, Paile-Hyvärinen M, Lilius TO, Tapaninen T, Backman JT, Tornio A, Niemi M. A comprehensive pharmacogenomic study indicates roles for SLCO1B1, ABCG2 and SLCO2B1 in rosuvastatin pharmacokinetics. *Br J Clin Pharmacol*. 2023
10. Mykkänen AJH, Taskinen S, Neuvonen M, Paile-Hyvärinen M, Tarkiainen EK, Lilius T, Tapaninen T, Backman JT, Tornio A, Niemi M. Genomewide Association Study of Simvastatin Pharmacokinetics. *Clin Pharmacol Ther*. 2022
11. Hirvensalo P, Tornio A, Tapaninen T, Paile-Hyvärinen M, Neuvonen M, Backman JT, Niemi M. Pharmacogenomics of celiprolol - evidence for a role of P-glycoprotein and organic anion transporting polypeptide 1A2 in celiprolol pharmacokinetics. *Clin Transl Sci*. 2022
12. Hirvensalo P, Tornio A, Launiainen T, Paile-Hyvärinen M, Tapaninen T, Neuvonen M, Backman JT, Niemi M. UGT1A3 and Sex Are Major Determinants of Telmisartan Pharmacokinetics-A Comprehensive Pharmacogenomic Study. *Clin Pharmacol Ther*. 2020
13. Hirvensalo,P.; Tornio,A.; Neuvonen,M.; Kiander,W.; Kidron,H.; Paile-Hyvarinen,M.; Tapaninen,T.; Backman,J.T.; Niemi,M. Enantiospecific Pharmacogenomics of Fluvastatin. *Clin.Pharmacol.Ther.*, 2019
14. Holmberg,M.T.; Tornio,A.; Paile-Hyvarinen,M.; Tarkiainen,E.K.; Neuvonen,M.; Neuvonen,P.J.; Backman,J.T.; Niemi,M. CYP3A4*22 Impairs the Elimination of Ticagrelor, But Has No Significant Effect on the Bioactivation of Clopidogrel or Prasugrel. *Clin.Pharmacol.Ther.*, 2019, 105, 2, 448_457
15. Neuvonen,M.; Tarkiainen,E.K.; Tornio,A.; Hirvensalo,P.; Tapaninen,T.; Paile-Hyvarinen,M.; Ikonen,M.K.; Holmberg,M.T.; Karja,V.; Mannisto,V.T.; Neuvonen,P.J.; Pihlajamäki,J.; Backman,J.T.; Niemi,M. Effects of Genetic Variants on Carboxylesterase 1 Gene Expression, and Clopidogrel Pharmacokinetics and Antiplatelet Effects. *Basic Clin.Pharmacol.Toxicol.*, 2018, 122, 3, 341_345,
16. Hirvensalo, P., Tornio, A., Neuvonen, M., Tapaninen, T., Paile-Hyvarinen, M., Karja, V., . . . Niemi, M. (2017). Comprehensive pharmacogenomic study reveals an important role of UGT1A3 in montelukast pharmacokinetics. *Clinical Pharmacology and Therapeutics*, doi:10.1002/cpt.891 [doi]

17. Kajantie, E., Raikkonen, K., Henriksson, M., Forsen, T., Heinonen, K., Pesonen, A. K., . . . Eriksson, J. G. (2010). Childhood socioeconomic status modifies the association between intellectual abilities at age 20 and mortality in later life. *Journal of Epidemiology and Community Health*, 64(11), 963_969. doi:10.1136/jech.2009.086967 [doi]
18. Salonen, M. K., Kajantie, E., Osmond, C., Forsen, T., Yliharsila, H., Paile_Hyvarinen, M., . . . Eriksson, J. G. (2009a). Childhood growth and future risk of the metabolic syndrome in normal_weight men and women. *Diabetes & Metabolism*, 35(2), 143_150. doi:10.1016/j.diabet.2008.10.004 [doi]
19. Salonen, M. K., Kajantie, E., Osmond, C., Forsen, T., Yliharsila, H., Paile_Hyvarinen, M., . . . Eriksson, J. G. (2009b). Role of childhood growth on the risk of metabolic syndrome in obese men and women. *Diabetes & Metabolism*, 35(2), 94_100. doi:10.1016/j.diabet.2008.08.008 [doi]
20. Salonen, M. K., Kajantie, E., Osmond, C., Forsen, T., Yliharsila, H., Paile_Hyvarinen, M., . . . Eriksson, J. G. (2009c). Role of socioeconomic indicators on development of obesity from a life course perspective. *Journal of Environmental and Public Health*, 2009, 625168. doi:10.1155/2009/625168 [doi]
21. Salonen, M. K., Kajantie, E., Osmond, C., Forsen, T., Yliharsila, H., Paile_Hyvarinen, M., . . . Eriksson, J. G. (2011a). Developmental origins of physical fitness: The helsinki birth cohort study. *PloS One*, 6(7), e22302. doi:10.1371/journal.pone.0022302 [doi]
22. Salonen, M. K., Kajantie, E., Osmond, C., Forsen, T., Yliharsila, H., Paile_Hyvarinen, M., . . . Eriksson, J. G. (2011b). Prenatal and childhood growth and leisure time physical activity in adult life. *European Journal of Public Health*, 21(6), 719_724. doi:10.1093/eurpub/ckq176 [doi]
23. Strang_Karlsson, S., Andersson, S., Paile_Hyvarinen, M., Darby, D., Hovi, P., Raikkonen, K., . . . Kajantie, E. (2010). Slower reaction times and impaired learning in young adults with birth weight Pediatrics, 125(1), e74_82. doi:10.1542/peds.2009_1297 [doi]

Projects

Memberships

Member of HMPC since 10/2020

Other Relevant Information

Teaching experience:

Lecturer at University of Helsinki, Department of clinical pharmacology and pharmacotherapy 2014 to present on : rational use of medicines, evidence based medicine, therapeutic drug monitoring, psychopharmacology, herbal medicinal products.

Scientific research:

2017 Postdoctoral researcher at The Hospital District of Helsinki and Uusimaa (HUS), Department of clinical pharmacology. (Pharmacokinetic interaction studies)

2005-2011 Doctoral student at the National Institute for Health and Welfare. Doctoral thesis: http://urn.fi/URN:ISBN:978_952_245_434_8 Depression and cognition in type 2 diabetes from a life course perspective. Helsingin yliopisto.

2000-2005 Researcher at the University of Helsinki, departments of Psychiatry and

General Practice Supervised by Prof. Johan Eriksson and Prof. Kristitian Wahlbeck

1999-2000 Researcher at the University of Helsinki, Department of Physiology
Supervised by Prof. Olli Jänne

1998-99 Researcher at the University of Helsinki, Department of Pathology Supervised
by Prof. Leif Andersson

Commissions of trust:

Board member of the Helsinki University Hospital Ethics Committee, 2018-2019.

Board member and medical commentator of "Lääkeinfo" drug information column;
Suomen Lääkärilehti (Finnish Medical Journal), September 2014 to present. Chair of the
board since 2019.

Language skills:

Swedish, excellent (first native)

Finnish, excellent

English, excellent

Russian, fluent oral (second native)

French, basic