

## Miriam A Mosing, PhD

Ekhagsvägen 5, 11418 Stockholm, Sweden | 142 Charles Str. Melbourne 3067 Australia

[Miriam.Mosing@ki.se](mailto:Miriam.Mosing@ki.se) | [Miriam.Mosing@unimelb.edu.au](mailto:Miriam.Mosing@unimelb.edu.au)

### CURRENT EMPLOYMENT

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- Jun 2020 - present **Associate Professor**  
Dept. Medical Epidemiology and Biostatistics & Dept. Neuroscience, Karolinska Institutet, Stockholm, Sweden
- Feb 2020 – present Develop Research Momentum **Senior Research Fellow**, Melbourne School of Psychology, Melbourne, Australia

### PREVIOUS EMPLOYMENT

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- Oct 2016-Jun 2020 **Assistant Professor**  
Dept. Medical Epidemiology and Biostatistics & Dept. Neuroscience, Karolinska Institutet, Stockholm, Sweden
- Jan 2015-Sep 2016 **Postdoctoral Researcher**  
Dept. Medical Epidemiology and Biostatistics & Dept. Neuroscience (split post), Karolinska Institutet, Stockholm, Sweden
- Jan 2012-Jan 2015 **Postdoctoral Researcher**  
Neuroscience Department, Karolinska Institutet, Stockholm, Sweden
- January 2011 **Visiting/Invited Scientist**  
Epidemiology Department, University of Southern Denmark, Odense  
Host: Prof. Kaare Christensen
- March 2009 **Visiting/Invited Scientist**  
Dept. Medical Epidemiology & Biostatistics, Karolinska Institutet, Stockholm,  
Host: Prof. Nancy Pedersen
- Spring 2007 **Research Internship (MSc) & Research Assistant**  
Cognitive Psychophysiology Laboratory (CPL), UQ, Brisbane  
Topic: Effects of Age and mild Traumatic Brain Injury on cognitive performance

### EDUCATION

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- 2008 - 2011 **PhD in Behavior Genetics**  
University of Queensland, School of Psychology, Brisbane, Australia  
Thesis Title: Genetic influences on quality of life throughout the life span and in the aged.
- 2006 - 2007 **MSc (Cum Laude) Neuroscience**  
Maastricht University, Maastricht, The Netherlands
- 2003 - 2006 **BSc (with Academic Excellence) Bio-Psychology**  
Maastricht University, Maastricht, The Netherlands
- 2006 **BSc (Vice-Chancellor's List of Academic Excellence) Psychology Coursework**  
One semester - Study Abroad Program  
Bond University, Gold Coast, Australia

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### SCIENTIFIC PUBLICATIONS IN PEER REVIEWED JOURNALS

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#### CURRENTLY UNDER PEER REVIEW

Niarchou, Gustavson, Sathirapongsasuti, Anglada-Tort, Eising, Bell, McArthur, Straub, 23andMe Research Team, McAuley, Capra, Ullén, Creanza, **Mosing**, Hinds, Davis, Jacoby & Gordon. (**under** review, Nature Human Behaviour). Unravelling the genetic architecture of musical rhythm: a large-scale genome-wide association study of beat synchronization. bioRxiv 836197. 2021 Preprint doi: <https://doi.org/10.1101/836197>

Zhan, Y, **Mosing, MA**, Pedersen, NL, Wirdefeldt, K, Chen, R, Fang, F. (under review). Association between Large Size at Birth and Incidence of Parkinson's Disease. *Movement disorders*.

#### PUBLISHED OR IN PRESS

Wesseldijk LW, Reyna L. Gordon, **Mosing MA\***, Ullén F\* (2021). Music, rhythm and language – a twin study of genetic and environmental associations. *Psychology of Aesthetics, Creativity & Arts*.  
*\*shared senior authorship*

Wesseldijk, LW, **Mosing, MA\***, Ullén, F\* (2021). Why is an early start of training related to musical skills in adulthood? A genetically informative study. *Psychological Science* 32 (1), pp-3-13.  
*\*shared senior authorship*

Tomata, Y., Li, X., Karlsson, I. K., **Mosing, M. A.**, Pedersen, N. L., & Hägg, S. (2020). Joint impact of common risk factors on incident dementia: A cohort study of the Swedish Twin Registry. *J Intern Med*, 288(2), 234-247. doi:10.1111/joim.13071

Wesseldijk, LW, Ullén, F, **\* Mosing, MA\*** (2020). Does listening to music increase your musical skills? *Personality and Individual Differences* 161.  
*\*shared senior authorship*

Lehto, K, Hägg, S, Lu, D., Karlsson, R, Pedersen, NL, **Mosing, MA** (2020). Childhood adoption and mental health in adulthood: The role of gene-environment correlations and interactions in the UK Biobank. *Biological Psychiatry* 87(8), 708-716.

Pedersen, NL, Gatz, M, Finch, BK, Finkel, D, Butler, DA, Dahl Aslan, A, Franz, CE, Kaprio, J, Lapham, S, McGue, M, **Mosing, MA**, Neiderheiser, J, Nygaard, M, Panizzon, M, Prescott, CA, Reynolds, CA, Sachdev, P, Whitfield, KE. (2019). IGEMS: The consortium on Interplay of Genes and Environment across Multiple Studies – An Update. *Twin Research and Human Genetics*.

**Mosing, MA**, Hambrick, DZ, Ullén, F (2019). Predicting musical aptitude and achievement: Practice, teaching, and intelligence. *Journal of Expertise*.

Wesseldijk, LW, Ullén, F\*, **Mosing, MA\*** (2019). The effects of playing music on mental health outcomes. *Scientific reports*.  
*\*shared senior authorship*

Abdellaoui, A, Sanchez-Roige, S, Sealock, J, Treur, JL, Dennis, J, Fontanillas, P, Elson, S, The 23andme Research Team, Nivard, M, Ip, HF, van der Zee, M, Baselmans, B, Hottenga, JJ, Willemsen, G, **Mosing, MA**, Yi, L, Pedersen, NL, Amin, N, van Duijn, CM, Szilagyi, I, Tiemeier, H, Neumann, A, Verweij, K, Cacioppo, S, Cacioppo, JT, Davis, LK, Palmer, A, Boomsma, DI, (2019). Phenome-wide investigation of health outcomes associated with genetic predisposition to loneliness. *Human Molecular Genetics* 28 (22); pp.5853-65.

Danielsdottir, HB, Jylhävä, J, Hägg, S, Colodro Conde, L, Martin, NG, Pedersen, NL, **Mosing, MA**, Lehto, K. (2019). Neuroticism as a predictor of frailty in old age: a genetically informative approach. *Psychosomatic Medicine*. 81(9): 799-807. doi: 10.1097/PSY.0000000000000742v

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### SCIENTIFIC PUBLICATIONS (continued)

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Wesseldijk, LW, **Mosing, MA\***, Ullén, F\* (2019). Gene-environment interaction in expertise: the importance of childhood environment for musical achievement. *Developmental Psychology*.

*\*shared senior authorship*

**Mosing, MA**, Lundholm, C, Cnattingius, S, Gatz, M, Pedersen, NL (2018). Associations between birth characteristics and age-related cognitive impairment and dementia: A registry based cohort study. *PLOS Medicine* 15(7). <https://doi.org/10.1371/journal.pmed.1002609>

**Mosing, MA**, Ullén, F. (2018). Genetic influences on musical specialization: A twin study on choice of instrument and music genre. *Annals of the New York Academy of Sciences*.doi:10.1111/nyas.13626.

**Mosing, MA**, Butkovic, A, Ullén F. (2018). Can flow experiences be protective of work-related depressive symptoms and burnout? A genetically informative approach. *Journal of Affective Disorders* 226, pp. 6-11.

Madison, G, **Mosing, MA**, Verweij, KJH, Pedersen, NL, Ullén, F. (2016). Common genetic influences on intelligence and auditory simple reaction time in a large Swedish sample. *Intelligence* 59, pp. 157-62.

Weiss A, Baselmans BM, Hofer E, Yang J, Okbay A, Lind PA, Miller MB, Nolte IM, Zhao W, Hagenaars SP, Hottenga JJ, Matteson LK, Snieder H, Faul JD, Hartman CA, Boyle PA, Tiemeier H, **Mosing MA**, Pattie A, Davies G, Liewald DC, et al. (2016). Personality polygenes, positive affect, and life satisfaction. *Twin Research and Human Genetics* 19(5), pp. 407-17.

Okbay, A, Baselmans, BML, ..., **Mosing, MA**, ..., Bartels, M, Cesarini, D. (2016). Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. *Nature Genetics* 48, pp. 624-633. doi: 10.1038/ng.3552.

**Mosing, MA**, Verweij, KJH, Madison, G, Ullén, F (2016). The genetic architecture of correlations between perceptual timing, motor timing, and intelligence. *Intelligence* 57, pp. 33-44.

**Mosing, MA**, Verweij, KJH, Abé, C, de Manzano, Ö, Ullén, F. (2016). On the relationship between domain-specific creative achievement and sexual orientation in Swedish Twins. *Archives of Sexual Behavior* 45(7), pp. 1799-806.

Verweij, KJH, **Mosing, MA**, Ullén, F, Madison, G. (2016). Individual differences in personality masculinity-femininity: Examining the effects of genes, environment, and prenatal hormone transfer. *Twin Research and Human Genetics* 19(2), pp.87-96.

**Mosing, MA**, Madison, G, Pedersen, NL, Ullén, F. (2016). Investigating cognitive transfer within the framework of music practice: Genetic pleiotropy rather than causality. *Developmental Science* 19 (3), pp. 504-12.

**Mosing, MA**, Cnattingius, S, Gatz, M, Neiderhiser, JM, Pedersen, NL (2015). Associations between fetal growth and self-perceived health throughout adulthood: A co-twin control study. *Behavior Genetics* 46 (3), pp. 457-66.

Ullén, F, Hambrick, DZ, **Mosing, MA**. (2015). Rethinking expertise: A multifactorial Gene-Environment interaction model of expert performance. *Psychological Bulletin* 142(4), 427-46.

**Mosing, MA\***, Verweij, K J\*, Madison, G., Pedersen, N L, Zietsch, B P, & Ullén, F. (2015). Did sexual selection shape human music? Testing predictions from the sexual selection hypothesis of music evolution using a large genetically informative sample of over 10,000 twins. *Evolution and Human Behavior* 36 (5), pp. 359-366. *\* Joint first authors*

Theorell, T, Lennartsson, A, Madison, G, **Mosing, MA**, Ullén, F. (2015). Predictors of continued playing or singing – from childhood and adolescence to adult years. *Acta Paediatrica* 104(3), pp. 274-84.

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### SCIENTIFIC PUBLICATIONS (continued)

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- Mosing, MA**, Pedersen, NL, Madison, G, & Ullén, F. (2014). Genetic pleiotropy explains associations between musical auditory discrimination and intelligence. *PLoS One* 9(11). doi:10.1371/journal.pone.0113874
- Ullén, F., **Mosing, MA**, Madison, G. (2015). Associations between motor timing, musical practice, and intelligence in a large sample of Swedish twins. *Annals of the New York Academy of Sciences* (1337), pp. 125-29. doi: 10.1111/nyas.12630
- Butkovic, A, Ullén, F, & **Mosing, MA** (2015). Personality related traits as predictors of music practice: Underlying environmental and genetic influences. *Personality and Individual Differences* 74, pp. 133-8. doi: 10.1016/j.paid.2014.10.006
- Mosing, MA**, Madison, G, Pedersen, NL, Kuja-Halkola, R, Ullén, F. (2014). Practice does not make perfect: No causal effect of musical practice on musical ability. *Psychological Science* 25(9), pp. 1795-803. doi:10.1177/0956797614541990
- Sprangers MA, Thong MS, Bartels M, Barsevick A, Ordoñana J, Shi Q, Wang XS, Klepstad P, Wierenga EA, Singh JA, Sloan JA; GeneQol Consortium. (2014). Biological pathways, candidate genes, and molecular markers associated with quality-of-life domains: an update. *Qual Life Res* 23(7). doi: 10.1007/s11136-014-0656-1.
- Theorell, T, Lennartsson, A, **Mosing, MA**, Ullén, F (2014). Musical activity and emotional competence— a twin study. *Frontiers in Psychology* 5. doi: 10.3389/fpsyg.2014.00774
- Ullén, F, **Mosing, MA**, Holm, L, Eriksson, H, Madison, G (2014). Psychometric properties and heritability of a new online test for musicality, the Swedish Musical Discrimination Test. *Personality and Individual Differences* 63, 87-93.
- Ordoñana, JR, Bartels, M, Boomsma, DI, Cella, D, **Mosing, M**, Oliveira, JR, Patrick, DL, Veenhoven, R, Wagner, GG, Sprangers, MAG, The GENEQOL Consortium (2013). Biological pathways and genetic mechanisms involved in social functioning. *Quality of Life Research* 22(6), pp. 1189-200.
- Mosing, MA**, Pedersen, NL, Cesarini, D, Johannesson, M, Magnusson, PKE, Nakamura, J, Madison, G, Ullén, F (2012). Genetic and environmental influences on the relationship between flow proneness, locus of control and behavioral inhibition. *PLOS ONE*, 7 (11), pp. 1-8.
- Mosing, MA**, Magnusson, PKE, Pedersen, NL, Nakamura, J, Madison, G, Ullén, F (2012). Heritability of proneness for psychological flow experiences. *Personality and Individual Differences* 5, pp. 699-704.
- Mosing, MA**, Mellanby, J, Martin, NG, Wright, MJ (2012). Genetic and environmental influences on analogical and categorical verbal and spatial reasoning in 12-year old twins. *Behavior Genetics* 42(5), 722-31.
- Lee, T, **Mosing, MA**, Henry, JD, Trollor, JN, Ames, A, Martin, NG, Wright, MJ, Sachdev, PS, OATS Team (2012). Genetic influences on four measures of executive functions and their covariation with general cognitive ability: The older Australian twins study. *Behavior Genetics* 42(4), 528-38.
- Mosing, MA**, Medland, SE, McRae, A, Landers, G, Wright, MJ, Martin, NG (2012). Genetic influences on life-span and its relationship to personality: A 16 year follow-up study of a sample of ageing twins. *Psychosomatic Medicine* 74 (16), pp. 16-22.
- Lee, T, **Mosing, MA**, Trollor, JN, Henry, JD, Lammel, A, Ames, A, Martin, NG, Wright, MJ, Sachdev, PS (2012). Genetic influences on five measures of processing speed and their covariation with general cognitive ability in the elderly: The older Australian twins study. *Behavior Genetics* 42, pp. 96-106.
- Barsevick, A, Frost, M, Zwinderman, A, Halyard, M, **GENEQOL Consortium** (2010). I'm so tired: biological and genetic mechanisms of cancer-related fatigue. *Quality of Life Research* 19(10), pp 1419-1427.

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### SCIENTIFIC PUBLICATIONS (continued)

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Sprangers, MAG, Sloan, JA, Barsevick, A, Dueck, AC, Raat, H, Shi, Q, **GENEQOL Consortium** (2010). Scientific imperatives, clinical implications, and theoretical underpinnings for the investigation of the relationship between genetic variables and patient-reported quality-of-life outcomes. *Quality of Life Research* 19(10), pp. 1395-1403.

**Mosing, MA**, Verweij, KJH, Medland, SE, Painter, J, Gordon, SD, Heath, AC, Madden, PA, Montgomery, GW, Martin, NG (2010). A genome-wide association study of self-rated health. *Twin Research and Human Genetics* 13(4), pp. 398-403.

**Mosing, MA**, Pedersen, NL, Martin, NG, & Wright, MJ (2010). Sex differences in the genetic architecture of optimism and health and their inter-relation: A study of Australian and Swedish twins. *Twin Research and Human Genetics* 13(4), pp. 322-329.

Sprangers, MG, Bartels, M, Veenhoven, R, Baas, F, Boomsma, DI, Martin, NG, **Mosing, MA**, Shinozaki, G, Swaab, D, & the GENEQOL consortium. (2010). Which patient will feel down, which will be happy? The need to study the genetic disposition of emotional states. *Quality of Life Research* 19(10), pp. 1429-1437.

**Mosing MA**, Gordon SD, Medland SE, Statham DJ, Nelson EC, Heath AC, Martin NG, & Wray NR (2009). Genetic and environmental influences on the co-morbidity between depression, panic disorder, agoraphobia, and social phobia: A twin study. *Depression and Anxiety* 26(11), pp. 1004-1011.

Sprangers, MAG., Sloan, JA, Veenhoven, R, Cleeland, CS, Halyard, MY, Abertnethy, AP, Baas, F, Barsevick, AM, Bartels, M, Boomsma, DI, ..., **Mosing, M**, et al. (2009). The establishment of the GENEQOL consortium to investigate the genetic disposition of patient-reported Quality-of-Life outcomes. *Twin Research and Human Genetics* 12(3), pp. 301–311.

**Mosing, M.**, Zietsch, B., Shekar, S., Wright, M., & Martin, N. (2009). Genetic and environmental influences on optimism and its relationship to mental and self-rated health: a study of aging twins. *Behavior Genetics* 30(6), pp. 597-604.

### BOOK CHAPTERS

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Mosing, MA, Ullén F (2021). Genetics and musical expertise. In Thompson, W. & Olsen, K. (Eds.). (2021). *The Science and Psychology of Music: From Beethoven at the Office to Beyoncé at the Gym*. Retrieved from <http://publisher.abc-clio.com/9781440857720>.

Ullén, F, de Manzano, Ö, **Mosing, MA**. (2019). Neural mechanisms of expertise. In Ward, P, Schraagen, JM, Gore, J, Roth, EM (Eds.). *The Oxford Handbook of Expertise*, Oxford University Press, Oxford. DOI: 10.1093/oxfordhb/9780198795872.013.6

Grasby, K, Verweij, KJ, **Mosing MA**, Zietsch, BP, Medland, SE (2018). Estimating heritability from twin studies. In R. Elston (Ed.), *Statistical Human Genetics*: Humana Press, USA.

**Mosing, MA**, Peretz, I, Ullén, F. (2017). Genetic influences on musical expertise. In Hambrick, DZ, Campitelli, G, Macnamara, BN (Eds.), *The science of expertise: Behavioral, Neural, and Genetic Approaches to Complex Skill*: Routledge Psychology Press, NY.

Ullén, F, **Mosing, MA**, Hambrick, DZ. (2017). The Multi-factorial Gene-environment Interaction Model (MGIM) of Expert Performance. In Hambrick, DZ, Campitelli, G, Macnamara, BN (Eds.), *The science of expertise: Behavioral, Neural, and Genetic Approaches to Complex Skill*: Routledge Psychology Press, NY.

Thompson, WF, **Mosing, MA**, Ullén, F. (2017). Musical expertise: Genetics, experience, and training. In Ashley, R & Timmers, R (Eds.), *Routledge Companion to Music Cognition*: Routledge, NY.

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### BOOK CHAPTERS (continued)

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Hambrick, DZ, Macnamara, BN, Campitelli, G., Ullén, F, **Mosing, MA**. (2016). Beyond born versus made: A new look at expertise. In Ross, BH. (Ed.), *The Psychology of learning and motivation* (Vol. 64, pp. 1-55). Elsevier Academic Press.

**Mosing, MA**, Ullén, F. (2016). Genetic influences on musical giftedness, talent and practice. In McPherson, G.E. (Ed.), *Musical prodigies: Interpretations from psychology, music education, musicology and ethnomusicology*: Oxford University Press, NY.

Blokland, G, **Mosing, MA**, Verweij, KJ, Medland, SE (2013). Twin Studies and Behavior Genetics. In C. Zimmermann (Ed.), *Oxford Handbook of Quantitative Methods, Vol. 2: Statistical Analysis*: Oxford University Press, NY.

Verweij, KJ\*, **Mosing MA\***, Zietsch, BP, Medland, SE (2012). Estimating heritability from twin studies. In R. Elston (Ed.), *Statistical Human Genetics*: Humana Press, USA. **\* Joint first authors**

**Mosing, MA**, Wright, MJ, & Martin, NG (2011). Genetic Influences on optimism and its relationship to mental health. In P.R. Brandt (Ed.), *The psychology of optimism*: Nova Science Publishers, Inc, NY.

### FUNDING AND AWARDS

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2020 - 2021	<b>Melbourne Centre for Data Science Seed Funding</b> – 20,000 AUD for ‘The Victorian Twin Cohort Study’, Co-investigator.
2020 – 2015	<b>Develop Research Momentum (DRM) Fellowship</b> from the University of Melbourne - 1,100,000 AUD of salary and research funding.
2018-2022	<b>Marcus och Amalia Wallenbergs Foundation</b> – 3,500,000 SEK for ‘ <i>Healthy learning: Causal mechanisms and gene-environment interplay in positive health effects of active engagement in culture</i> ’. Co-investigator. <b>MAW 2018.0017</b>
2018	<b>Karolinska Institutet Fellowship</b> – 89,400 SEK for ‘ <i>Interplay between genes and environment in Quality of Life</i> ’ over two years. Principal Investigator.
2018-2022	<b>National Institute of Aging (NIA at NIH) research project grant</b> – 2,858,810 USD for ‘ <i>SES health gradients in late life: testing models of gene-environment interplay in an international twin consortium</i> ’. Principal Investigator of the subcontract for Sweden <b>1R01AG059329-01A1</b> .
2018	<b>Östermans foundation</b> – 150,000 SEK towards ‘Genetic and environmental interplay in traits related to quality of life’. Principal Investigator.
2016 - 2018	<b>Karolinska Institutet Fellowship</b> – 49,800 SEK for geriatric epidemiology. Principal Investigator.
2013	<b>Karolinska Institutet Fellowship</b> – 51,400 SEK towards cognitive learning research project for two years. Principal Investigator.
2012	<b>AAR Postdoctoral Fellowship in Dementia</b> – 50,000/year for two years (Award not used due to move to Karolinska Institutet). Principal Investigator.
2008 - 2011	<b>International Research Tuition Award (IRTA)</b> ; Covering tuition fees for international PhD students – about 100,000 AUD. Principal Investigator.
2009 - 2011	<b>Queensland Institute of Medical Research Top-Up Award</b> , 20,000 AUD. Principal Investigator.
2008 - 2011	<b>ANZ Trustees PhD Scholarship</b> in Medical Research, Queensland; salary for 2.5 years (Jan 2009 – June 2011) – about 65,000 AUD. Principal Investigator.

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### POP-SCIENCE PUBLICATIONS

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**Mosing, MA** and Pedersen, NL (2018). Can a baby's birth size tell us something about the late life risk for dementia and cognitive impairment? *Science Trends* <https://sciencetrends.com/can-a-babys-birth-size-tell-us-something-about-the-late-life-risk-for-dementia-and-cognitive-impairment/>

Podcast on learning and creativity with the Economist (2017) <https://www.stitcher.com/podcast/the-economist-all-audio/e/52580790>

Hambrick, Z, Ullén, F, & **Mosing, MA** (2016). Is innate talent a myth? *Scientific American* <http://www.scientificamerican.com/article/is-innate-talent-a-myth/>

### TEACHING and SUPERVISION EXPERIENCE

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- 2021 **Main supervisor of two honours students** - Emma Gaston and Simone Dixon: Effects of cultural and social-activities on mental health and all-cause mortality.
- 2020-present **Co-supervisor of PhD student** at the University of Melbourne: Jane Bairnsfather.
- 2019-present **Main-supervisor of Postdoc** Dr. Malin Ericsson
- 2018-present **Main-supervisor of Postdoc** Laura Wesseldijk working on 'Gene-Environment interplay in expertise'.
- 2018 **Co-supervisor of Postdoc** Kelli Lehto working on 'Gene-environment interplay in the association between stressful life-experiences and mental health'.
- 2018 **Main supervisor** of research project for medical student Victor Dahlström (Semester 8). *The relationship between loneliness, social isolation and mortality in two large, independent and genetically informative cohorts of older twins.*
- 2018 **Co-supervisor** for Masters thesis in Public Health Sciences Hilda Björk Daníelsdóttir (Semester 10). *Personality as a predictor of frailty in old age: contribution of shared genetic factors?*
- 2018-2019 **Group leader** -- seminars for undergraduate medical students, Karolinska Institutet.
- 2017 **Main supervisor** of research project for medical student Rober DeMejere (Semester 8). *Associations between loneliness, subjective and objective health in the aged.*
- 2016 **Lecturer** for the LIFE seminar "Developmental Theory and Methodology of the Lifespan" at Max Planck Institute for Human Development, Berlin, Germany. Title: *Gene-Environment Interplay in human behaviour.*
- 2013-2015 Neuroscience course for Medical students and Biomedicine students (3<sup>rd</sup> and 4<sup>th</sup> semester) – tutor groups, seminars, oral exams and supervision of lab exercises
- 2013 Supervision of an exchange summer student with the International Federation of Medical Students' Associations (IFMSA) – 6 weeks
- 2009-2011 Supervision and mentoring a PhD student - teaching the twin methodology and helping with genetic analyses and writing of scientific papers resulting in two manuscripts (Lee et al. 2012).

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### ADDITIONAL TRAINING AND TEACHING ACCREDITATION

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**Mental Health First Aid Training for Supervisory staff**, University of Melbourne, March 2020.

**Introduction to Doctoral Supervision**, Karolinska Institutet, March 2018.

**Teaching and learning in higher education**, Karolinska Institutet, Spring 2017.

**Open Networked Learning (how to design a MOOC)**, Karolinska Institutet, Autumn 2016.

**Introduction to Teaching at Karolinska Institutet**, April 2013.

**SPM8 for Basic and Clinical Investigators**, March 2012, Baltimore, Maryland, USA.

**International Workshop on Statistical Genetics and Methodology of Twin and Family Studies** (basic and advanced course), March 2008 and 2009. Boulder, Colorado, USA.

**4<sup>th</sup> Course in Statistical Genetic Analysis of Complex Phenotypes**, June 2008, Bertinoro, Italy.

### MEMBER OF EDITORIAL BOARD (current and previous)

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Journal of Expertise

Journal of Experimental Psychology: General.

### JOURNAL REFEREE

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International Journal of Epidemiology

Molecular Psychiatry

Twin Research and Human Genetics

Journal of the American Geriatrics Society

Quality of Life Research

Archives of General Psychiatry (JAMA)

PLOS ONE

European Child and Adolescent Psychiatry

Behavior Genetics Journal

Journal of Experimental Psychology

Psychosomatic Medicine

Psychology and Aging

Scientific Reports

Journal of Psychiatric Research

Frontiers Psychiatry

Journal of Abnormal Psychology

### PARENTAL LEAVE

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18 months in total

### EXTRACURRICULAR ACTIVITIES

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Member of the Ethics committee at University of Melbourne (2020 – present)

Representative of the Karolinska Institutet at the Stockholm Brain and Science Festival

Working together with the Science House (Vetenskapenshus) in Stockholm to create an interactive Neuroscience program for High school students (2015-2018)

Volunteer for the QIMR Social Club (2010-2011)

Member of the Postdoc Association Karolinska Institute (2013-2015)

Member of the Equality network steering group Karolinska Institute (2015-2016)

### PERSONAL DETAILS

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Birth Place: Vienna, Austria

Date of Birth: 04.09.1982

Citizenship: Austrian and German

### LANGUAGE PROFICIENCY

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Language knowledge:	German:	Native language
	English:	Fluently
	Dutch:	Fluently
	Spanish & Swedish:	Basic

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### REFEREES

---

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