

Academic Portfolio

Jan Antfolk
Ph.D., M.A., Docent, For. Psych., Lic. Psych.,

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Education and Degrees

In 2014, I received my Ph.D. (Ps.D.) in psychology from Åbo Akademi University (ÅAU). My thesis on the evolutionary roots of individual regulation of incest aversion presented four articles published in international peer-reviewed journals, one unpublished manuscript, as well as a 60-page summary that also introduced a novel theory. It was awarded the highest grade (*Laudatur cum laude*) by my opponent, Prof. David Haig (Organismic and Evolutionary Biology, Harvard University) and the evaluation committee. In 2018, I received the title of Adjunct Professor (Docent) in Evolutionary Psychology from the University of Turku, Finland.

I have two master's degrees, one in philosophy (2008) and one in psychology (2012). The topic of my thesis in philosophy was on the limitations of applying evolutionary theory in behavioral and social science. The topic of my thesis in psychology was the development of attention-based instruments for diagnosing pedophilic sexual interest in forensic contexts.

My other education and training, qualifications and skills include a specialization degree in forensic psychology (2017), license to work as a clinical psychologist (2015), six months' work experience as an intern in a forensic child psychiatry unit at the Turku University Hospital, where I conducted and evaluated forensic interviews with children in child sexual abuse allegations (2012), a course in meta-analytical procedures, as well as three PhD courses in forensic psychology.

My native language is Swedish. Other language skills include English (Excellent), Portuguese (Excellent), Finnish (Good), Japanese (Good), and German (Basic).

I have excellent programming skills in the statistical software *R* and have used *SPSS* and *CMA* extensively.

Work Experience

I have been working at ÅAU since 2008. During this time, I have held several different positions. Since 1.4.2019 I am an associate professor (Tenure Track) in applied psychology.

Previous work experiences include:

- Post-doctoral researcher in psychology funded by a personal fellowship from the Academy of Finland (No: 298513; 1.9.2016 – 31.3.2019)
- Post-doctoral researcher in psychology (1.1.2016 – 31.8.2016)
- University researcher in psychology (1.1.2015 – 31.12.2015)
- Post-doctoral researcher in psychology in a research project on parent-child incest funded by the Academy of Finland (No. 260298; 1.5. 2014 – 31.12. 2015)
- PhD student in a research project on parent-child incest (Academy of Finland; No. 260298; 1.5. 2014 – 31.4. 2015)

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- Researcher in psychology in a project on incest avoidance funded by a personal three-year grant from the Finnish Cultural Foundation (1.1.2012 – 31.12.2012; only one of these years was used due to other employment)
- Internship in forensic psychology, Forensic Child Psychiatry Unit, Turku University Hospital (1.1. 2012 – 1.6. 2012)
- Researcher in psychology in the MiKADO project on child sexual abuse funded by the German Family Ministry (1.1.2010 – 31.12.2011)
- Researcher in philosophy in a research project on evolutionary explanations of human behavior funded by the KONE Foundation (1.1. 2009 – 31.12 2011)
- Research assistant in psychology in a project developing diagnostic instruments for pedophilia funded by the Academy of Finland (No. 121232; 1.1.2008 – 31.12.2010)

Research and Academic Activity

In evolutionary psychology my main focus is on understanding the evolutionary roots of conflict and cooperation within the family. This research endeavor also includes child development and behavior that relates to the competition for parental resources. In one line of studies I have used novel quasi-experimental approaches to show that the intensity of incest aversion closely follows predictions from inclusive-fitness theory, and that this is true even in cases where the self is not involved (i.e., opposition to *other* family members engaging in incest). I have published 6 articles and 6 book chapters on this topic. These studies have been met with scholarly interest both from evolutionary scientists and forensic sexologists. For example, the latest edition of Michael Seto's seminal book on pedophilia (cited more than 500 times) includes a chapter on incest that makes 5 direct references to my work. The theory of incest regulation and its breakdown that I have developed with my colleagues has also been tested by other research groups. For [example](#), Lespiau and Kaminski conducted a conceptual replication of one of my studies and showed that inclusive-fitness costs explain not only emotional reactions, but also moral attitudes to incest. Although I have continued to investigate incest aversion together with my Ph.D. student Paula Kresanov, I also have extended this line of research to include other types of within-family conflict and cooperation. This endeavor tests Robert Trivers' and David Haig's theory on genetic conflict within the human family. As tests of this theory, I am currently conducting two studies on sibling rivalry over parental investment during the first years of life and two studies on resource allocation between paternal and maternal half-siblings.

I am also interested in anti-immigrant attitudes and how they relate to intra-sexual competition, especially in males. I have proposed and tested the idea that the perceived increase in competition for mates that is the consequence of sex-unbalanced immigration can explain the hostile, highly sexualized immigrant attitudes displayed by local men. I have published one study on this topic and am currently setting up more studies with my Ph.D. student Minja Westerlund.

My research in evolutionary psychology has also led to a number of applied studies in the field of forensic psychology. In these studies, I have mainly study risk factors for child sexual abuse and how forensic investigations of child sexual abuse can be improved. This work continues a long line of research at the Department of Psychology at ÅAU. The research group includes Dr. Julia Korkman (ÅAU, Finland) and Prof. Pekka Santtila (New York University, Shanghai, China). Together with my Ph.D. student Alessandro Tadei, we explore the use of background information in child sexual abuse investigations. Recently, we conducted the first study to estimate the prevalence of false allegations of child sexual abuse. In this line of research, I make use of predictions derived from evolutionary theory about the circumstances that might put children at increased risk of sexual abuse.

I gladly collaborate outside my own areas. My knowledge about research designs and statistical analyses has allowed me to fruitfully collaborate with Prof. Matti Laine's (Psychology, ÅAU) research group in cognitive psychology. Together with members of this research group, I have published two well-received meta-analyses in high-tier psychology journals on the effects of cognitive training and the bilingual advantage, respectively. I am also working together with Dean

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Prof. Mikael Lindfelt (Theology, ÅAU) in a project that aims to understand the various motives behind vaccine hesitancy.

International Collaboration

My research on conflict and cooperation within the human family is an international collaborative effort. It currently includes Prof. David Haig (Organismic and Evolutionary Biology, Harvard University, US), who has originated much of the theory that is being tested, and his former PhD student Dr. Jennifer Kotler (Department of Psychology, Harvard University, US). Both are experts on genomic conflict theory. This project also includes Prof. Debra Lieberman (Department of Psychology, University of Miami, US) and Dr. Michael Seto (Director of Forensic Rehabilitation Research, Royal Ottawa Health Care Group, Canada), who both are experts on intra-familial sexual abuse. Locally, I collaborate with Prof. Hasse Karlsson (Department of Psychiatry, University of Turku) and Associate Prof. Linnea Karlsson (Department of Child Psychiatry, University of Turku), who are in charge of the extensive FinnBrain cohort study that continuously follows 3 000 children and their family members from the time of pregnancy. This cohort study allows for a unique opportunity to study psychological, behavioral, and biological (e.g., DNA, placenta and breast milk samples) aspects of within-family conflict.

My research group in forensic psychology collaborates continuously with national end-users of our research, such as forensic psychiatry units at the university hospitals in Finland, the Finnish police force, as well as attorneys and judges. Our research collaborations includes Prof. Pekka Santtila, and my former Ph.D. students Dr. Francesco Pompèda (University of Gloucestershire, Celtenham, UK) and Dr. Angelo Zappalà (Università Pontificia Salesiana, Turin, Italy) as well as Prof. Renate Volbert (Psychologische Hochschule, Berlin, Germany), Associate Prof. Kristjan Kask (Tallinn University, Tallinn, Estonia), Prof. James Lampinen (University of Arkansas, Fayetteville, US) and the Japanese Police Force.

In 2016, I had a post-doc visit with Prof. David Haig at the Department of Organismic and Evolutionary Biology at Harvard University, US. We worked together on several topics, including human inbreeding avoidance and mother-offspring conflict. During this visit I also frequently partook in associate Prof. Max Krasnow's (Department of Psychology, Harvard University, US) lab activities, planning studies in evolutionary psychology. Currently we are collaborating on a cross-cultural study on mother's infant-directed behavior.

In 2017, I visited the FinnBrain project (Turku Brain and Mind Center, University of Turku) for 12 months as a Post-Doctoral Researcher.

In 2018, I was Visiting Researcher at New York University, Shanghai (Shanghai, China), where I worked together with Prof. Pekka Santtila for 2.5 months. We planned and conducted various studies in evolutionary and forensic psychology. During this visit I also collaborated with Assistant Prof. Xuan Li on a study on children's social cognition of their parents in lesbian parented families.

I am also a member of the study selection committee for the Psychological Science Accelerator, a multi-laboratory network that, at the time of writing, includes more than 350 research labs from 56 different countries. My central role in this network gives me an excellent possibility to establish international collaborations.

Grants

I have received more than 450,000€ in research grants as a principal investigator and more than 3,000,000€ in grants as a co-investigator or as a member of the core grant writing group. I have also received smaller personal grants from the Åbo Akademi Endowment, Svensk-Österbottniska Samfundet, and Rector for ÅAU, totaling more than €5,000 euros.

Years	Funding Agent	Grant No.	Topic	Sum (€)
<u>As Principal Investigator</u>				

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2019 -	CG Sundell's Foundation	-	Mother-Offspring Conflict	75,000
2019 -	Svenska Kulturfonden	-	Social Outreach in Forensic Psychology	30,000
2016 - 2019	Academy of Finland	298513	Genomic Conflict and Asymmetric Kinship	294,058
2012 - 2014	Finnish Cultural Foundation	0011006	Parent-Offspring Incest Avoidance*	84,000
<i>As Co-investigator or member of the Core Grant Writing Group</i>				
2019 - 2020	University Medical Research Fund ¹	-	Incestuous Sexual Behavior ^a	33,000
2018 - 2021	Academy of Finland	316726	Vaccination Attitudes ^b	360,000
2011 - 2014	Academy of Finland	260298	Parent-Child Incest Avoidance ^c	450,000
2010 - 2015	German Family Ministry	-	Child Sexual Abuse and its Prevention (MiKADO) ^d	2,374,007

Note: ¹ = University Medical Research Fund at Royal's Institute of Mental Health Research, Canada; ^a Principal Investigator (PI) = Dr. Michael Seto; ^b PI = Mikael Lindfelt, ^c PI = Pekka Santtila, ^d PI = Michael Osterheider. * Due to other employment only a third of the grant was actually used.

Publications (See attached document for a full publication list)

I have made altogether 93 public contributions to scientific knowledge. This number includes peer-reviewed journal articles, conference presentations, book chapters, and books. Of the contributions, 50 are articles in international peer-reviewed scientific journals. According to Google Scholar, my contributions have been cited a total of 633 times resulting in a current *h*-index of 13. Of my peer-reviewed publications, one has been published in *Psychological Bulletin*, a top-tier journal with a current impact factor above 16. Since the start of 2017, I have published 34 articles. I am first, second, or last author on 29 of these. I have had 11 manuscripts accepted or published in 2019 so far. I have also submitted 8 other manuscripts that are currently under evaluation. I have also presented posters or given oral presentations at 24 international conferences or workshops with forensic or evolutionary foci.

Expert Assignments

I am an Associate Editor for both *Frontiers in Psychology* and *Nordic Psychology*. I have conducted more than 50 ad-hoc reviews for leading journals, including *Scientific Reports*, *Proceedings of the Royal Society B*, *Evolution and Human Behavior*, *Archives of Sexual Behavior*, and *Clinical Psychological Review*.

I have evaluated one doctoral thesis (Dr. Jaakko Junikka, Biological and Environmental Science, Jyväskylä University) and been a member of the evaluation committee for two doctoral defenses (Dr. Carina Saarela, Psychology, ÅAU and Dr. Åsa Slotte, Philosophy, ÅAU). I have also graded nine master's theses in psychology at ÅAU. I have designed questions to seven entrance examinations for the psychology program at ÅAU.

I am one of five members of the Study Selection Committee for the research network Psychological Science Accelerator, currently including approximately 500 research labs from 60 countries. This network enables large-scale cross-cultural data collection psychological research. The Study Selection Committee evaluates and selects proposals according to importance and feasibility.

I was a member of the organizing committee for the 2018 conference of European Association of Psychology and Law that was organized in Turku, Finland in June 2018.

Awards

In 2014, I was awarded the prize (€5,000) for early academic merits by the Alumni Organization for ÅAU.

Teaching and Supervision (See attached teaching statement for more details)

As a teacher I aim to motivate students, model intellectual curiosity, and provide students with ample and constructive feedback. I frequently use evidence-based constructivist teaching methods (e.g., Flipped Classroom and Problem-based Learning). I use both collegial and student feedback to continuously improve my teaching methods.

I received the best possible grade in a teaching test at ÅAU in 2017. The board, which consisted of pedagogical experts and professors, commended my ability to connect the material to clinical contexts and how I activate students and encourage self-reflection. I also passed a teaching test at the

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University of Turku in 2018 as part of the application process for the title of Adjunct Professor in Evolutionary Psychology.

I am the Director of the Post-graduate School in Psychology and Logopedics at ÅAU.

Pedagogic training

I have in total 15 ECTS in university pedagogics. The courses I have taken include didactic theory (2 x 5 ECTS), and applied pedagogics (5 ECTS). As a part of these courses, my lectures has often been visited by academic colleagues.

Teaching Experience

I have planned and taught 12 different university-level courses totaling more than 250 ECTSs. The courses I have taught have generally received highly commendable feedback from students. For instance, after my changes to the course Research Methods in Psychology which previously had consistently received low ratings (2–2.5), students have graded it with 4–4.5 on a scale from 1 (very poor) to 5 (very good).

Course Name	Where	ETCs	Times	Total ETCs	Last Time	Student Feedback
Emotions	ÅAU	2	5	10	2018	4.3/5
	ÅAU	3	2	6	2014	4.3/5
	ÅAU/CLL	5	1	5	2018	-
Biological Psychology	ÅAU	5	3	15	2018	4.1/5
Evolutionary Psychology	ÅAU	3	1	3	2009	-
Research Methods in Psychology	ÅAU	5	6	30	2015	4.4/5
Data Collection and Analysis	ÅAU	10	1	10	2015	-
Forensic Psychological Assessment II	ÅAU	5	1	5	2015	3.7/5
Bachelor Thesis Seminars	ÅAU	15	1	15	2015	NA
Personality, Web	ÅAU	5	2	10	2017	-
Introduction to Psychology	ÅAU/CLL	10	10	100	2016	4.8/5
Research and Theory in Psychology	ÅAU/CLL	10	2	20	2013	NA
Research and Theory in Psychology, Web	ÅAU/CLL	10	2	20	2018	100%*
Film & Psychology	ÅAU/CLL	5	1	5	2014	NA
Ethics and Standards in Psychology	ÅAU	5	2	10	2018	NA

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Note: CLL = Center of Lifelong Learning (Open university at ÅAU) * % of students stating they achieved learning objectives.

I have also given guest lectures in the courses Biological Basis of Behavior, Introduction to Behavioral Sciences, and Sexology at ÅAU, Evolutionary Theory in the Social Sciences at Helsinki University, as well as at the Capstone Seminar course at NYU, Shanghai. In relation to the aforementioned activities, I have supervised more than 100 students in their research projects on highly varied topics as part of their training in research methodology or bachelor/capstone projects.

During the last years, I have also held three different weekly research seminars for my research groups and for students writing their master's theses in evolutionary psychology, forensic psychology, or meta-analysis. Together with my Ph.D. student Thomas Nyman, I have planned and supervised a monthly seminar in Current Psychological Research directed at students, staff, and alumni. In addition, I have given lectures on intra-familial sexual abuse to Forensic Child Psychiatric Units in Helsinki and Turku, and seminars for specialist attorneys.

I have also acted as an expert teacher in forensic psychology at the International Expert Program in Investigative and Legal Psychology (IEPILP) at the United Nations Interregional Crime and Justice Research Institute (UNICRI; Turin, Italy). I am currently the Scientific Director of this master's program. As scientific director, I am in charge of planning the schedule and the contents of the course. I also teach part of the course and supervise students in working with their thesis.

Supervision

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In total, my experience includes the supervision or co-supervision of 9 Ph.D. students. Three of these students have already received their degree, following a successful defense of their thesis. I expect that three of my current Ph.D. students will defend their thesis within 1 year.

Name	Topic	My Role	Completion
Dr. Angelo Zappalà	Attention-based measures of deviant sexuality	a	2016
Dr. Francesco Pompedda	Child investigative interviewing	c, d	2018
Dr. Patrizia Pezzoli	Genetic vulnerability to interpersonal victimization	c	2019
Alessandro Tadei	Diagnostic use of background information in CSA investigations	a	2019*
Thomas Nyman	Light and distance thresholds in eye-witness identifications	c	2019*
Wail Rehan	Consequences of child sexual abuse victimization	c, d	2019*
Paula Kresanov	Evolutionary understanding of parent-child incest	a	
Helena Lindqvist	Paternal-maternal conflict over parental investment	b	
Linda Karlsson	Cognitive bias in vaccine-hesitant parents	c	

^a Primary supervisor, ^b De facto primary supervisor, ^c Secondary supervisor, ^d Substitute for Pekka Santtila as primary supervisor (1.1.2015 – 31.12.2015), * Estimated time for completion. Contact: pjern@abo.fi

I have also supervised 40 (29 completed) master theses.

Name	Topic	Year	Grade
Completed Supervision			
Sofia Knutar	The role of co-residence in parent-child incest aversion	2011	Eximia
Mira Karlsson	The role of relatedness in incest aversion	2012	Eximia
Tove Hästbacka	A visual search task as a measure of deviant sexuality	2012	Magna
Helena Lindqvist	Children's kin recognition of parents	2012	Eximia
Elizabeth Nordenswan	Sexual assault in teenagers	2013	Magna
Aini Laine	Meta-analysis of CSA characteristics and psychosexual sequelae	2013	Laudatur
Daniel Ventus	Meta-analysis of CSA characteristics and self-harm	2014	Laudatur
Janica Järvenpää	Meta-analysis of CSA characteristics and social dysfunctions	2014	Eximia
Annika Söderlund	Meta-analysis of CSA characteristics and general psychopathology	2015	Laudatur
Christopher Harju	Opposition to inbreeding in close relatives	2015	Cum Laude
Linn Holmgård	Body dissatisfaction in gay and straight women and men	2015	Magna
Malin Rönnholm	Meta-analysis on child interviewing	2015	Laudatur
Thomas Nyman	Time perception	2015	Eximia
Johanna Söderlund	Parental investment in own and other's children	2016	Magna
Jeanette Kuparinen	Altruistic investment in fictive kin	2016	Magna
Emma Meurman	Using checklists in investigations of CSA allegations	2016	Magna
Johanna Kjellman	Meta-analysis on the factor structure of cognitive control tasks	2017	Eximia
Mia Öblom	Discrimination in the housing market	2017	Eximia
Tuulia Malen*	Cognitive bias in evaluations of familicide	2017	Eximia
Agneta Sjölund	Parental investment and mate-value	2017	Eximia
Heidi Martelin	Children's cognitions of parents in lesbian families	2017	Magna
Sara Rantamäki	Counter-investigative tactics in investigative interviewing	2018	Eximia
Lina Johansson	Intra-sexual competition and anti-immigration attitudes	2018	Magna
Rosa Donner*	Understanding of the general-to-individual issue in legal professionals	2018	-
Gabrielle Lindholm	Resource division between young siblings	2018	3/5
Karin Iivarinen	Reactions to unfairness in toddlers	2018	4/5
Anna Albrecht	Risk factors of parent-child incest	2019	4/5
Andrea Holm	Reactions to unfairness in preschoolers	2019	4/5
Lisette Sällström	Attention-based measures of violent radicalization	2019	4/5
Ongoing supervision			
Felix von Renteln	Resource division in asymmetric relatives		
Catharina Walldén	Intra-sexual competition and anti-immigration attitudes		
My Sundén	Breastfeeding and nightwaking in infants		
Alexei Belskij	Parental investment and empathy and psychopathy in children		
Emily von Julin	Neurocognitive development and eye-witness testimony in children		
Jenny Skrivfars	Question types in asylum interviews		
Veronica Sui	Reliability of asylum decisions		
Emilia Öhman	Children's own impressions of child sexual abuse investigations		
Emmie Marklund			
Irene Nylund			

Apart from this I have supervised five research assistants (Aini Laine, Janica Järvenpää, Anna Szala,

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and Heidi Martelin, Catharina Walldén) and co-supervised four research assistants (Anna Albrecht, Christopher Harju, Daniel Ventus, and Sara Rantamäki) during 2012 – 2016.

Administration and Leadership

Both within and outside ÅAU, I am active in several different boards (see below). This has allowed me given me a lot of valuable insight into the university infrastructure, administrative processes, and evaluate effective leadership from many different viewpoints. As a leader I encourage bold initiatives and I work for procedural solutions that allow researchers at all levels to focus on the core aspects of their work. I have also financially managed two large research projects.

Leadership Experience, Administration and Economy

- I substituted Prof. Pekka Santtila as the financially responsible person for a three-year research project funded by the Academy of Finland application to the Academy of Finland (no. 260298; PI: Pekka Santtila; €450.000) during 1.1.2015 – 31.12.2015.
- I am also in charge of my own project funded by the Academy of Finland (no. 298513) during 1.9.2016 – 31.8.2019.

Board Memberships

- Member of the Young Academy Finland, 2017 – ongoing.
- Member of the Finnish Academy of Science and Letters' Academy Club for Young Scientists, 2016 – 2017.
- Elected member (twice) of the Collegiate Board (the University Senate) at ÅAU, 2015 – ongoing.
- Board member of The Finnish Union of University Researchers and Teachers (ÅAU local branch), 2016 – 2018.
- Research Integrity Advisor at ÅAU, 2017 – ongoing.
- Member of the executive group for the national Finnish doctoral training network Dopsy 2018 – ongoing.
- Member of the board of information security at ÅAU, 2015 – ongoing.
- Vice member in the University Council for Research and Research Education at ÅAU, 2016 – ongoing.
- Vice member of the Equality Committee at ÅAU, 2018 – ongoing.
- Member of the Faculty Board at the Faculty Board at the Faculty of Arts, Theology and Psychology at ÅAU, 2019-2021. I have also served as a vice member in the same board, 2015-2017, and 2017 – 2019.

Merits in Science Communication and Expert Assignments in the Media

Regarding science communication, I see it as very important that academics disseminate research in media. My research has been discussed in more than 200 traditional news outlets in more than 40 countries, including Time Magazine (US), Le Monde (FRA), Die Welt (GER), Guardian (UK), Veja (BRA), Aftonbladet (SE), and Helsingin Sanomat (SF). It has also been broadly discussed in various forms of social media, with more than 1000 mentions of my scientific articles or interviews. Out of all research published in ÅAU during 2014, my research received the most international media attention according to Meltwater statistics. According to Altmetric, one of my studies published in 2017 has received most media attention of all studies ever published in the journal *Evolutionary Psychology*. Whenever possible, I make myself available for requests from journalists, discussing even challenging topics.

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