

1. Research qualifications

Degrees

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| 31 May 2022 | Title of Docent in Population Genetics, University of Helsinki |
| 11 June 2013 | Doctor of Philosophy (Medical Genetics), University of Helsinki, Finland |
| 26 October 2000 | Master of Science (Genetics), University of Turku, Finland |

Current position

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| 10/2016 – 02/2024 | Senior postdoc and coordinator of population genetics projects, SUGRIGE / SUMRAGEN research groups of Prof. Päivi Onkamo, Univ. Turku / Univ. Helsinki, Finland (currently 50%) |
| 11/2022 – 02/2024 | Postdoctoral researcher, KINURA project (Evolution of kinship in Uralic speaking populations) of Dr. Terhi Honkola, University of Helsinki (50%) |
| 01/2017 – 12/2023 | Visiting postdoc, Max Planck Institute for the Science of Human History / Max Planck Institute for Evolutionary Anthropology, Jena/Leipzig, Germany |

Previous work experience

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| 08/2013 – 09/2016 | Database coordinator and part-time postdoctoral researcher, Canine Genomics Group of Prof. Hannes Lohi, Univ. Helsinki, Finland |
| 08/2006 – 06/2013 | Doctoral student, Multifactorial Diseases Res. Group of Prof. Juha Kere, Univ. Helsinki |
| 11/2004 – 07/2006 | Career break: family leave, 21 months |
| 10/2000 – 10/2004 | Assistant Geneticist and doctoral student, Finnish Genome Center, Helsinki, Finland |
| 06/1996 – 06/2000 | Res. assistant and master's student, Univ. Iceland (10 mo.) and Univ. Turku (11 mo.) |

Research funding and grants (selection)

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| 2020 | Postdoctoral project grant, Ella and Georg Ehrnrooth Foundation, 31 000 € |
| 2018, 2016 | Application co-author in two project grants from Jane and Aatos Erkko Foundation, in total 1147 000 €, PI Päivi Onkamo |
| 2017 | Postdoctoral project grant, Jenny and Antti Wihuri Foundation, 28 000 € |
| 2017 | Postdoctoral project grant, Ella and Georg Ehrnrooth Foundation, 14 000 € |
| 2016, 2015 | Application co-author in two project grants from Kone Foundation, in total 200 000 €, PI Päivi Onkamo |
| 2014 | Postdoctoral project grant, Jenny and Antti Wihuri Foundation, 28 000 € |

2. Teaching and supervision experience

Research supervision

- ongoing Co-supervision of one PhD student; membership in two doctoral thesis committees
- 2014 – 2023 Co-supervision of two PhD students; principal supervision of one MSc and two BSc theses, co-supervision of one MSc thesis; examination of one MSc thesis

Pedagogical training and demonstrated pedagogical expertise

- 2022 – 2023 Additional courses in university pedagogy, University of Turku; ongoing, 9/15 credit units completed
- 2022 Demonstration of teaching skills for the title of Docent, University of Helsinki
- 2020 – 2021 Introductory studies in university pedagogy, University of Turku, 10 credit units
- 2020 Demonstration of teaching skills, University of Turku; graded excellent

Teaching experience (selection) (more details at www.iki.fi/elina.salmela/cv/)

- 2022 – 2023 Lecturer (10 hours) in the course "Ihmisen genetiikan harjoitukset" [Practical exercises in human genetics], University of Turku, Faculty of Science and Engineering, May 2022 & May 2023
- 2022 Lecturer (3 hours) in the course "Interdisciplinary human past and quantitative Uralistics", University of Turku, Faculty of Humanities, November 2022
- 2021 – 2022 Lecturer (6 hours) in the course "Population Genetics", University of Turku, Faculty of Science and Engineering, February 2021 & February 2022
- 2020 – 2022 Lecturer (18 hours) in the course "Ihmisen genetiikka" [Human genetics], University of Turku, Faculty of Science and Engineering, November 2020, November 2021 & November 2023
- 2017 – 2019 Lecturer (23 hours) in the course "Gene Mapping", University of Helsinki, Faculty of Biological and Environmental Sciences, spring 2017 & spring 2019
- 2018 Lecturer (3 hours) in the course "Human Evolution and Cultural Change in Multidisciplinary Context", University of Turku, Faculty of Science and Engineering, December 2018
- 2016 – 2018 Lecturer (43 hours of contact teaching + course material preparation from the scratch) in the course "Tieteellisen laskennan perustaidot" [Basic skills in academic computing], University of Helsinki, Faculty of Biological and Environmental Sciences, autumn 2016, autumn 2017, spring & autumn 2018

3. Public engagement and interaction within the academic community

Dissemination of research results (more details at www.iki.fi/elina.salmela/cv/)

- 2010 – 2022 25 academic talks in international conferences, workshops and seminars including CIFU XIII (2022) and ISBA8 (2018)
- 2008 – 2023 8 poster presentations at international conferences
- 2008 – 2023 9 non-peer-reviewed scientific publications, including 5 at *Kalmistopiiri.fi*
- 2001 – 2023 34 peer-reviewed scientific publications (see below)

Co-organizing workshops, seminars and symposiums

- 2022 1-day symposium "The interdisciplinary past of the Uralic linguistic area" at CIFU XIII in Vienna, Austria
- 2019 3-day workshop "Contacts and Dispersal in the Uralic area" in Seili, Finland
- 2019 1-day symposium "Tracing evolution through time using ancient DNA" at ESEB2019 in Turku, Finland
- 2018 2-day seminar "Human Evolution and Cultural Change" in Turku, Finland
- 2016 5-day workshop "Archeogenetics in the Archipelago" in Seili, Finland

Other key academic merits

- 2023 Two awards for the article Moilanen et al. (2022) *A Woman with a Sword? – Weapon Grave at Suontaka Vesitorninmäki, Finland*, of which I am the last author: Elias Tillandz Prize for the best scientific article published in 2022 in Turku, and the Prize for Outstanding Article of the year 2022 from the Faculty of Biological and Environmental Sciences, University of Helsinki
- 2021 Expert consulting for the new permanent exhibition in National Museum of Finland, "Otherland"
- 2021 Expert statement to the Saami Parliament of Finland concerning the reburial of Saami bones from the Anatomical collection from the University of Helsinki
- 2015 – 2016 Member of the Academy Club for Young Scientists, Finnish Academy of Science and Letters

Popularisation of science (more details at www.iki.fi/elina.salmela/cv/)

- 2019 – 2022 3 publications for lay audience, including *Science Journal for Kids and Teens* (2022)
- 2016 – 2022 30+ blog posts at my science blog *Akateeminen ilonpilaaja* at www.iki.fi/elsa/blogi
- 2011 – 2023 21 presentations for lay audience, including 6 visits to secondary schools
- 2008 – 2023 24 interviews in the media, including in *Helsingin Sanomat*, *Tiede* and *The Economist*

4. Peer-reviewed publications

Overview (see full list at www.iki.fi/elsa/publications)

- 2001 – 2022 34 peer-reviewed publications in total – including eight with first or shared-first authorships – and 2 academic theses; Hirsch index 16 (Web of Science, 05/2023).

Selected publications (ten publications most relevant for the current application)

[The codes in square brackets refer to the classification of publications by the Finnish Ministry of Education, Science and Culture: A1 = peer-reviewed journal article; A2 = peer-reviewed review article in a journal; A3 = peer-reviewed book chapter]

- 2023 [A1] Peltola S, Majander K, Makarov N, Dobrovolskaya M, Nordqvist K, **Salmela E**, Onkamo P. Genetic admixture and language shift in the medieval Volga-Oka interfluve. *Current Biology* 2023, 33: 174–182.e10.
- 2023 [A2] **Salmela E**. Mistä suomalaisten perimä on peräisin? [Where do Finns' genomes originate from?] Invited review for *Duodecim*, in press.

- 2023 [A3] Moilanen U, **Salmela E**, Honkola T. Families on the Move? The case of Iron Age Proto-Finnic speakers. In: *Moving Northwards*. Lahelma A, Lavento M, Mannermaa K, Holmqvist E, Ahola M, Nordqvist K. (eds.) In press.
- 2022 [A1] Moilanen U, Kirkinen T, Saari NJ, Rohrlach AB, Krause J, Onkamo P, **Salmela E**. A Woman with a Sword? – Weapon Grave at Suontaka Vesitorninmäki, Finland. *European Journal of Archaeology* 2022, 25: 42-60.
- 2020 [A3] Lindstedt JS, **Salmela E**. Migrations and language shifts as components of the Slavic spread. In: *New Perspectives on the Early Slavs and the Rise of Slavic – Contact and Migrations*. Klír T, Boček V, Jansens N (eds.), pp. 275-299. *Empirie und Theorie der Sprachwissenschaft*, Universitätsverlag Winter, Heidelberg 2020, 351 p. ISBN 978-3-8253-7751-9 (electronic), 978-3-8253-4707-9 (hardcover).
- 2019 [A1] Översti S*, Majander K*, **Salmela E**, Salo K, Arppe L, Belskiy S, Etu-Sihvola H, Laakso V, Mikkola E, Pfrengle S, Putkonen M, Taavitsainen JP, Vuoristo K, Wessman A, Sajantila A, Oinonen M, Haak W, Schuenemann V, Krause J, Palo J, Onkamo P. Human mitochondrial DNA lineages in Iron-Age Fennoscandia suggest incipient admixture and eastern introduction of farming-related maternal ancestry. *Scientific Reports* 2019, 9: 16883. [* = equal contribution]
- 2018 [A1] Lamnidis TC*, Majander K*, Jeong C, **Salmela E**, Wessman A, Moiseyev V, Khartanovich V, Balanovsky O, Ongyerth M, Weihmann A, Sajantila A, Kelso J, Pääbo S, Onkamo P, Haak W, Krause J, Schiffels S. Ancient Fennoscandian genomes reveal origin and spread of Siberian ancestry in Europe. *Nature Communications* 2018, 9: 5018. [* = equal contribution]
- 2011 [A1] **Salmela E**, Lappalainen T, Liu J, Sistonen P, Andersen PM, Schreiber S, Savontaus ML, Czene K, Lahermo P, Hall P, Kere J. Swedish population substructure revealed by genome-wide single nucleotide polymorphism data. *PLoS One* 2011, 6: e16747.
- 2008 [A1] **Salmela E***, Lappalainen T*, Fransson I, Andersen PM, Dahlman-Wright K, Fiebig A, Sistonen P, Savontaus ML, Schreiber S, Kere J, Lahermo P. Genome-wide analysis of single nucleotide polymorphisms uncovers population structure in Northern Europe. *PLoS One* 2008, 3: e3519. [* = equal contribution]
- in revision [A3] Vesakoski O, **Salmela E**, Piezonka H. Uralic speaker area. Invited contribution for *Oxford Handbook of Archaeology and Language*. Robbeets M, Hudson M (eds.). Manuscript in revision.

More CV details available at www.iki.fi/elina.salmela/cv