

Alexandra Dahlberg

alexandra.dahlberg@helsinki.fi | alexandradahlberg.com | LinkedIn | ORCID | Google Scholar | GitHub

Physician-researcher with an MD, MSc in Finance and an ongoing MSc in Technology, working at the intersection of digital health systems, clinical AI, and NLP. Active researcher in LLM applications in multilingual clinical environments, with peer-reviewed publications and ongoing registry-based work in primary care.

EDUCATION

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|---|--|
| University of Helsinki
<i>PhD in Medicine (Doctoral Programme in Clinical Research)</i> | Helsinki, Finland
2025-present |
| <ul style="list-style-type: none">• Large language models in multilingual clinical environments (GenAID project, GAINS consortium).• Supervisors: Assoc. Prof. Ville Vartiainen, Assoc. Prof. Enni Sanmark, Assoc. Prof. Olli Tapiola.• Defence in December 2026. | |
| Aalto University
<i>MSc in Technology</i> | Espoo, Finland
2025-present |
| <ul style="list-style-type: none">• Major: Life Science Technologies. Coursework in AI, machine learning, deep learning and stochastic methods. | |
| Hanken School of Economics
<i>MSc in Economics and Business Administration</i> | Helsinki, Finland
2021-2025 |
| <ul style="list-style-type: none">• Major: Finance. Minor: Management and Organization. | |
| University of Bergen
<i>Medical Doctor (MD)</i> | Bergen, Norway
2018-2024 |
| <ul style="list-style-type: none">• Exchange at Karolinska Institutet. | |

WORK EXPERIENCE

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| Mehiläinen
<i>Research Physician</i> | Helsinki, Finland
2024-present |
| <ul style="list-style-type: none">• Mehiläinen, founded in 1909, provides healthcare and social care in Finland, Sweden, Germany, Lithuania, Estonia, Romania and Serbia (as Meliva outside Finland), and digital health software through its subsidiary BeeHealthy.• Research Physician in Public Health Services since October 2026, working across several teams.• Previously Development Doctor (2024-2025) and Research Physician (2025) in data-driven clinical development.• Integrating AI and analytics into clinical processes while keeping part-time clinical work. | |
| Finnish Medical Association
<i>eHealth Advisory Committee member</i> | Helsinki, Finland
2026-present |
| University of Helsinki
<i>Researcher (Tutkijalääkäri)</i> | Helsinki, Finland
2025-present |
| <ul style="list-style-type: none">• Part-time research post in the GenAID group, alongside the PhD. | |
| Harjun terveys (part of Mehiläinen)
<i>General Practitioner</i> | Lahti, Finland
2026 |
| <ul style="list-style-type: none">• Nine months as a GP, a mandatory part of Finnish specialist training. | |

Meilahti Emergency Department
Emergency Physician

Helsinki, Finland
2023-2025

Viiskulma Health Center, HUS Clinical Genetics, Laakso Hospital
Deputy GP, Junior House Officer, Deputy Doctor in Training

Helsinki, Finland
2022-2023

- Built a bank of 50+ documentation templates that improved documentation and onboarding at Viiskulma.

PUBLICATIONS

Simons G, von Fersen M, **Dahlberg A**, Vartiainen V, Summanen P, Harju M (2026). Predictors of visual acuity, intraocular pressure and pain in neovascular glaucoma. *Acta Ophthalmologica*. doi.org/10.1111/aos.70248

Dahlberg A, Tapiola O, Luisto R, Puranen T, Sanmark E, Vartiainen V (2026). Clinical note comparison and data retrieval via embedding vectors: model selection, metrics, and convergence. *International Journal of Medical Informatics*. doi.org/10.1016/j.ijmedinf.2026.106563

Dahlberg A, Käenniemi T, Winther-Jensen T, Tapiola O, Luisto R, Puranen T, Gordon M, Sanmark E, Vartiainen V (2026). Measuring the quality of AI-generated clinical notes: a systematic review and experimental benchmark of evaluation methods. *Artificial Intelligence in Medicine*. doi.org/10.1016/j.artmed.2026.103421

Dahlberg A, Jukarainen S, Kaartinen T, Orre P (2025). Cost minimization analysis of digital-first healthcare pathways in primary care. *npj Digital Medicine*. doi.org/10.1038/s41746-025-01937-z

Dahlberg A, et al. (2025). Coverage, utilisation and users of a chat-based digital primary care clinic in publicly funded healthcare: a registry-based observational study in Finland. *medRxiv*. doi.org/10.1101/2025.11.06.25339651

Dahlberg A, Jukarainen S, Kaartinen T, Orre P (2025). Digivastaaotto säästää kustannuksia perusterveydenhuollossa. *Lääketieteellinen Aikakauskirja Duodecim 141(21)*. www.duodecimlehti.fi/duo18968

Dahlberg A (2025). Comparative cost analysis of digital and traditional healthcare pathways. *MSc thesis, Hanken School of Economics*. hdl.handle.net/10138/593568

Dahlberg A (2024). The heritability of autoimmune diseases: lessons from studies of type 1 diabetes mellitus, celiac disease, and Addison's disease. *MD thesis, University of Bergen*.

AWARDS AND RECOGNITIONS

Scientific Trailblazer, Terveysalan vaikuttajat, Finnish Medical Society Duodecim (2025).

SKILLS AND INTERESTS

Languages: Full professional proficiency in Swedish, Finnish, English and Norwegian.

Technical skills: Python, R, Machine learning.

Interests: Former member of the Youth National Sailing Team of Finland. Sailing and downhill skiing.