

# Curriculum vitae (brief)

## Personal details

Given name: [Karl](#) Emritz  
Family name: Kilbo Edlund  
Date of birth: 22 Jan 1996  
Residential address: Teatergatan 15, 4 tr. (lgh 1301)  
411 35 Göteborg  
Sweden  
Telephone number: +46 76-931 54 58  
E-mail addresses: [karl.kilbo.edlund@gu.se](mailto:karl.kilbo.edlund@gu.se) (work), [karlemritz@gmail.com](mailto:karlemritz@gmail.com) (private)  
Professional social media: [LinkedIn](#), [X](#), [ResearchGate](#), [Google Scholar](#)

## Education

PhD programme in medical science, Sahlgrenska Academy, University of Gothenburg 2021–May 2025  
Medical programme, Sahlgrenska Academy, University of Gothenburg 2014–2022  
Gap years for full-time student union assignments 2018–2019; 2020–2021  
Exchange semester, Albert-Ludwigs-Universität Freiburg, Germany 2018  
Degree project stay at Faculty of Public Health and Health Systems, University of Pretoria, South Africa 2020

## Vocational experience

Internship physician with integrated research time (“forskar-AT-läkare”), Sahlgrenska University Hospital, Gothenburg 2023–Nov 2025  
Assistant nurse, Tre stiftelser Vegahusen, Gothenburg 2016–2017

## Publications, peer-reviewed

- Murzabekov M., Persson Å., Asker C., [Kilbo Edlund K.](#), Eriksson C., Jernberg T., Molnár P., Oudin A., Pyko A., Lindvall J., Löhmus M., Persson Waye K., Nilsson Sommar J., Stockfelt L., Spanne M., Svartengren M., Ögren M., Pershagen G., Ljungman P. “Road-traffic noise exposure and coronary atherosclerosis in the Swedish CARDioPulmonary bioImage Study (SCAPIS)” *Environmental Epidemiology* **2024** 8:e344 ([doi.org/10.1097/EE9.0000000000000344](https://doi.org/10.1097/EE9.0000000000000344)).
- [Kilbo Edlund K.](#), Xu Y., Andersson E.M., Christensson A., Dehlin M., Forsblad-d’Elia H., Harari F., Ljunggren S., Molnár P., Oudin A., Svartengren M., Ljungman P., Stockfelt L. “Long-term ambient air pollution exposure and renal function and biomarkers of renal disease” *Environmental Health* **2024** 23, 67 ([doi.org/10.1186/s12940-024-01108-9](https://doi.org/10.1186/s12940-024-01108-9)).
- [Kilbo Edlund K.](#), Andersson E.M., Asker C., Barregard L., Bergström G., Eneroth K., Jernberg T., Ljunggren S., Molnár P., Sommar J.N., Oudin A., Pershagen G., Persson Å., Pyko A., Spanne M., Tondel M., Ögren M., Ljungman P., Stockfelt L. “Long-term ambient air pollution and coronary atherosclerosis: Results from the Swedish SCAPIS study” *Atherosclerosis* **2024** May 8:117576 ([doi.org/10.1016/j.atherosclerosis.2024.117576](https://doi.org/10.1016/j.atherosclerosis.2024.117576)).
- [Kilbo Edlund K.](#), Andersson E.M., Andersson M., Barregard L., Christensson A., Johannesson S., Harari F., Murgia N., Torén K., Stockfelt L. “Occupational particle exposure and chronic kidney disease: a cohort study in Swedish construction workers” *Occup Environ Med.* **2024** Jun 3;81(5):238-243, ([doi.org/10.1136/oemed-2023-109371](https://doi.org/10.1136/oemed-2023-109371)).
- [Kilbo Edlund K.](#), Kisiel M., Asker C., Segersson D., Bennet C., Spanne M., Gustafsson S., Lindvall J., Eneroth K., Tondel M., Ljungman P., Stockfelt L., Pershagen G., Molnár P. “High-resolution dispersion modelling of PM2.5, PM10, NOx and NO2 exposure in metropolitan areas in Sweden 2000-2018 - large health gains due to decreased population exposure” *Air Quality, Atmosphere and Health*, **2024**, ([doi.org/10.1007/s11869-024-01535-0](https://doi.org/10.1007/s11869-024-01535-0)).
- [Kilbo Edlund K.](#), Molnár P., Andersson E.M., Ögren M., Segersson D., Fagman E., Fagerberg B., Barregard L., Bergström G., Sallsten G., Stockfelt L. “Long-term exposure to air pollution, coronary artery calcification, and carotid artery plaques in the population-based Swedish SCAPIS Gothenburg cohort” *Environmental Research*, **2022**, 214, 113926 ([doi.org/10.1016/j.envres.2022.113926](https://doi.org/10.1016/j.envres.2022.113926)).

- Kilbo Edlund K, Killman F. [shared first authorship], Molnár P., Boman J., Stockfelt L., Wichmann J. “Health Risk Assessment of PM<sub>2.5</sub> and PM<sub>2.5</sub>-Bound Trace Elements in Thohoyandou, South Africa” *Int J Environ Res Public Health* **2021**, 18, 1359 ([doi.org/10.3390/ijerph18031359](https://doi.org/10.3390/ijerph18031359)).

### Conference presentations

- “Long-term ambient air pollution exposure and renal function and biomarkers of renal injury in the population based Swedish SCAPIS cohort”, ISEE Young conference **2024**, Rennes, France (oral presentation, in-person)
- “Occupational particle exposure is associated with chronic kidney disease onset during working age - a cohort study in Swedish construction workers”, 34th International Congress on Occupational Health (ICOH) **2024**, Marrakech, Marrocco (oral presentation, in-person)
- “Long-term exposure to air pollution and coronary atherosclerosis, calcification, and non-calcified plaques – results from the Swedish SCAPIS study”, 35th International Society of Environmental Epidemiology (ISEE) conference **2023**, Kaohsiung, Taiwan (oral presentation, in-person)
- “Long-term ambient air pollution and renal function and atherosclerosis in middle-aged Gothenburg residents”, GAC biennial conference **2022**, Gothenburg, Sweden (oral presentation, in-person)
- “Renal function and long-term ambient air pollution at low exposure levels”, 34th International Society of Environmental Epidemiology (ISEE) conference **2022**, Athens, Greece (oral presentation, digital)

### Teaching

- University of Gothenburg, Medical programme (11 semesters): “Community Medicine” (LÄA091), 1.5-day module in epidemiology, including 9 hours of lectures, an assignment, and written exam questions
- University of Gothenburg, Medical programme (12 semesters): “Clinical practice and theory 2” (LPG006), 1-day module in epidemiology, including 4 hours of lectures, a seminar, an assignment, and written exam questions

### Supervision

- Co-supervision of 1 medical student in degree project (advanced level)

### Pedagogical training

University of Gothenburg, “Teaching and Learning in Higher Education 1: Basic Course”, 5 ECTS (ongoing, finished May 2025)

- Introduction to Teaching and Learning in Higher Education, 60 hours
- Legal Module, 15 hours
- The Seminar as a Form of Teaching, 40 hours
- The Good Lecture, 40 hours

### Positions of trust (selection)

General board member, European Council of Doctoral Candidates and Junior Researchers (Eurodoc)	2024–
(Doctoral) student member, Expert group on ethics, the Association of Swedish Higher Education Institutions (SUHF)	2024–
University Board member, University of Gothenburg	2022–
Co-coordinator, Working Group on Doctoral Training, the European Council of Doctoral Candidates and Junior Researchers (Eurodoc)	2022–2024
Vice chairperson (2022–2023) and committee member (2023–2024), Swedish National Union of Students’s Doctoral Committee (SFS-DK)	2022–2024
(Doctoral) student member, Expert group for quality assurance, the Association of Swedish Higher Education Institutions (SUHF)	2021–2023

### Language competencies

Swedish	C2/Native language
English	C2
German	C1

### Digital competencies

R	Very good
MATLAB	Good
SAS	Good
Python	Basic
STATA	Basic