

Publications- the Environmental Pollutant Laboratory UNN

Peer reviewed publications:

- Fosse, G.Ø., Huber, S., Grimnes, G., Leon, D.A., Brox, J., Jorde, R., Bjørke-Monsen, A.L., Eggen, A.L., Averina, M., "Associations of per- and polyfluoroalkyl substances (PFAS) with key metabolic cardiovascular disease risk factors. The Tromsø Study" *Environmental Research* 2026, 303, Part 1, 124705, <https://doi.org/10.1016/j.envres.2026.124705>
- Wang, J., Averina, M., Huber, S., Grimnes, G., Fosse, G.Ø., Bjørnerem, Å., Evensen, E.K., Johansson, J., Joakimsen, R.M. "Serum per- and polyfluoroalkyl substances (PFAS) and bone mineral density in Norwegian adolescents: sex-specific associations and mixture effects", *Environment International* 2026, 210, 110235, DOI: [10.1016/j.envint.2026.110235](https://doi.org/10.1016/j.envint.2026.110235)
- Ranjitkar, S., Hysing, M., Chandyo, R.K., Strand, T.A., Averina, M., Ulak, M., Bakken, K.S., Huber, S., Kvestad, I., «Prenatal maternal selenium plasma concentration and motor development in early infancy», *British Journal of Nutrition* 2026, 135(11):1211-1218, DOI: [10.1017/S0007114526106485](https://doi.org/10.1017/S0007114526106485)
- Strand, T.A., Averina, M., Bakken, K.S., Basnet, S., Böttcher, Y., Huber, S., Hysing, M., Kvestad, I., Lüders, T., McCann, A., Pokhrel, D., Ranjitkar, S., Sharma, A.K., Shrestha, M., Ulak, M., Chandyo, R.K. «Early life exposures, neurodevelopment, and health outcomes – a study protocol for a birth cohort study in Nepal.», *JMIR Research Protocols* 2026, 15:e78593, doi: [10.2196/78593](https://doi.org/10.2196/78593)
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- Teigen, K.A., Höper, A.C., Huber, S., Hegseth, M-N. «Heavy metal blood concentrations in smelters and chimney sweepers in Norway», *Annals of Work Exposure and Health* 2026, Vol 70:1, <https://doi.org/10.1093/annweh/wxaf089>
- Vogt, E., Sørby, S., Huber, S., Averina, A., Øksnes, M., Bjørke-Monsen, A.L. «Serum concentrations of per- and polyfluoroalkyl substances in women with premature ovarian insufficiency: a cross-sectional case–control study» *Environmental Endocrinology* 2025, Vol 1:2, <https://doi.org/10.1093/enendo/wkaf002>
- Oyeyemi, S-O., Averina, A., Huber, S., Charles, D., Furberg, A.S., Yigzaw, K.Y., Wilsgaard, T., Nielsen, C.S., Grimnes, G. "Per- and polyfluoroalkyl substances and associated proteomic biomarker patterns of immuno-suppression and cell-proliferation in an adolescent population from Northern Norway: The Fit Futures Study" *Environmental Research* 2025, Vol 282, 122096, <https://doi.org/10.1016/j.envres.2025.122096>
- Berg, V., Charles, D., Huber, S., Nøst, T.H., Sandanger, T., Averina, M., Bergdahl, I., Nilsen, M., Wilsgaard, T., Rylander, C. "Multiple repeated pre- and post- diagnostic measurements of perfluoroalkyl

- substances in type 2 diabetes mellitus cases compared to controls: The Tromsø Study (1986-2016)», Scientific Reports 2025, 15, 22026, <https://doi.org/10.1038/s41598-025-05422-1>*
- Ranjitkar, S., Kvestad, I., Chandyo, R.K., Strand, T.A., Bakken, K.S., Ulak, M., Huber, S., Averina, M., Shrestha M., Hysing, M. *“The association between prenatal maternal Selenium concentration and neurodevelopment in early childhood, results from a mother-child cohort study”, Journal of Nutrition 2025, Vol 155:6, <https://doi.org/10.1016/j.tjnut.2025.04.005>*
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- Mwapasa, M., Xu, S., Chakhame, B.M., Maluwa, Rollin, H., A., Choko, A., Huber, S., Odland, J.Ø. *“Concentrations of potentially toxic metals and trace elements in pregnant women and association with birth outcomes: A cross-sectional study in Malawi”, POLS Global Public Health 2024, Volume 4:11. <https://doi.org/10.1371/journal.pgph.0003521>*
- Averina M., Huber S., Bjørke-Monsen A.L., Eggesbø, M., Sabaredzovic A., Bolann B.J. *«Alarmingly high levels of environmental pollutants in Norwegian children» Tidsskrift for den norske legeforening 2024, Volum 144, Hefte 12 DOI: [10.4045/tidsskr.24.0423](https://doi.org/10.4045/tidsskr.24.0423)*
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- Bjørke-Monsen, A.-L., Huber, S., Averina, M., Brox, J., Bolann, B.J. «Tran inneholder også miljøgifter» *Tidsskrift for Den norske legeforening* 2021; doi: 10.4045/tidsskr.20.1037
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 doi:10.4045/tidsskr.17.0521
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Reports:

- Mol, H., van Alst, R., Guigues, N., Vorkamp, K., Kukucka, P., Kutka, P., Lalere, B., Lautentie, M., Bichon, E., Schaeffers, F., Duca, R., Anagnostopoulos, C., Bandow, N., Cheyns, C., De Cremer, K., Dehaut, A., Lopez, M.E., Fredriksen, H., Ghestem, J-P., Herzke, D., Huber, S., P., Costa, C.T., Costa, S., Huber, S., Karanikolopoulos, G., Kasiotis, K., Sakhi, A.K., Lambert, M., Warth, B., Wellmitz, J., Zardin, Z. «*Guidance document QA/QC chemical analysis*», Partnership for the Assessment of Risks from Chemicals, Deliverable, D9.4-1 Annex-1, WP 9 – T3, 11.07.2025, https://www.eu-parc.eu/sites/default/files/2025-11/PARC_D9.4-1.zip
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Master thesis:

- Ole Fjose and Håkon Bjørge Nilsen Gårseth «*Mercury exposure in pregnant women in Bhaktapur, Nepal and health outcomes in infants*», Master thesis in Medicine (MED-3950), UiT The Arctic University of Norway 2025; supervisors Maria Averina, Tor A. Strand and Sandra Huber
- Kine Pinstrup «*Per- and Polyfluoroalkyl Substances (PFAS) and the Immune System – The link between persistent forever chemicals and altered immune function*», Master thesis in Medicine (MED-3950), UiT The Arctic University of Norway 2025; supervisors Maria Averina and Oyeyemi, S-O.
- Tetyana Voloshyna «*A study on the interactions between perfluorosulfonic acids and P-glycoprotein in the Caco-2 cell line model*», Master thesis in Biomedicine (MBI-3911), UiT The Arctic University of Norway 2021; supervisors Erik Dietrichs, Aina Westrheim Ravna, Ole-Martin Fuskevåg and Sandra Huber
- Sofie Vibe «*A systematic review of association between organic environmental pollutants and testicular cancer*», Master thesis in Medicine (MED-3950), UiT The Arctic University of Norway 2020; supervisors Maria Averina and Sandra Huber
- Jorunn Berntzen «*Er det en kausal sammenheng mellom fedme og diabetes type 2 og miljøgifter?*» Master thesis in Medicine (MED-3950), UiT The Arctic University of Norway 2018; supervisors Maria Averina and Mikhail Sovershæv