

Curriculum Vitae

Personal information **Paulina Werner Nosrati**

Work experience

1. Employer: Swedish Medical Products Agency

- Start date: 2025-08
- End date: Present
- Position: Assessor
- Activities: Clinical Assessor in the fields of Dermatology and gynecology
- Country: Sweden

2. Employer: Karolinska Institutet, Institute of Environmental Medicine

- Start date: 2019-10
- End date: 2024-08
- Position: Doctoral student
- Activities: Focused on underlying mechanisms of contact dermatitis, identification of diagnostic biomarkers, and skin allergen uptake through clinical material and advanced in vitro models.
- Country: Sweden

Education and training

1. Subject: Karolinska Institutet

- Start date: 2019-10
- End date: 2024-05
- Qualification: PhD Medical Science
- Organisation: Karolinska Institutet, Institute of Environmental Medicine
- Thesis title: "Exploring allergic and irritant contact dermatitis; biomarkers, mechanisms and allergen uptake"
- Country: Sweden

2. Subject: Karolinska Institutet

- Start date: 2017-08
- End date: 2019-06
- Organisation: Karolinska Institutet
- Qualification: M.Sc. in Toxicology
- Country: Sweden

3. Subject: Karolinska Institutet

- Start date: 2014-08
- End date: 2017-06
- Organisation: Karolinska Institutet
- Qualification: B.Sc. in Biomedicine
- Country: Sweden

Additional information

Publications

- Fortino V*, Wisgrill L*, **Werner P**, Suomela S, Linder N, Jalonen E, Suomalainen A, Marwah V, Kero M, Pesonen M, Lundin J, Lauerma A, Aalto-Korte K, Greco D, Alenius H, Fyhrquist N. Machine-learning-driven biomarker discovery for the discrimination between allergic and irritant contact dermatitis. *Proc Natl Acad Sci U S A*. 2020 Dec 29;117(52):33474-33485. doi: 10.1073/pnas.2009192117. Epub 2020 Dec 14. PMID: 33318199; PMCID: PMC7776829.
- Wisgrill L, **Werner P**, Jalonen E, Berger A, Lauerma A, Alenius H, Fyhrquist N. Integrative transcriptome analysis deciphers mechanisms of nickel contact dermatitis. *Allergy*. 2021 Mar;76(3):804-815. doi: 10.1111/all.14519. Epub 2020 Aug 12. PMID: 32706929; PMCID: PMC7984291.
- **Werner P**, Wisgrill L, Riskumäki M, Jalonen E, Vendelin J, Suomela S, Lauerma A, Alenius H, Fyhrquist N. Identification of novel miRNA-mRNA regulatory networks in contact dermatitis by integrated microarray analysis. *Allergy*. 2021 Apr;76(4):1257-1261. doi: 10.1111/all.14578. Epub 2020 Sep 20. PMID: 32882078; PMCID: PMC8246963.
- Midander K*, **Werner P***, Isaksson M, Wisgrill L, Lidén C, Fyhrquist N, Julander A. Cobalt nanoparticles cause allergic contact dermatitis in humans. *Br J Dermatol*. 2022 Oct 28;ljac043. doi: 10.1093/bjd/ljac043. Epub ahead of print. PMID: 36637098.
- Riskumäki M, Tessa I, Ottman N, Suomalainen A, **Werner P**, Karisola P, Lauerma A, Ruokolainen L, Karkman A, Wisgrill L, Sinkko H, Lehtimäki J, Alenius H, Fyhrquist N. Interplay between skin microbiota and immunity in atopic individuals. *Allergy*. 2021 Apr;76(4):1280-1284. doi: 10.1111/all.14744. Epub 2021 Feb 18. PMID: 33480030.
- Wisgrill, L., **Werner, P.**, Fortino, V., Fyhrquist, N. (2021). AIM in Allergy. In: Lidströmer, N., Ashrafian, H. (eds) *Artificial Intelligence in Medicine*. Springer, Cham. https://doi.org/10.1007/978-3-030-58080-3_90-1

- Lauerma A, **Werner P**, Wisgrill L, Fyhrquist N. New Key Players in Irritant Contact Dermatitis: Residential Skin Cells and Neutrophils Drive Inflammation. J Invest Dermatol. 2022 Mar;142(3 Pt A):509-512. doi: 10.1016/j.jid.2021.09.002. Epub 2021 Nov 5. PMID: 34749986.
- Fyhrquist N, **Werner P**, Alenius H. Host-microbiome interaction in atopic and allergic diseases. Current Opinion in Toxicology. 2023 Jul; 35(100420): <https://doi.org/10.1016/j.cotox.2023.100420>
- Braun G*, Schaier M*, **Werner P**, Theiner S, Zanghellini J, Wisgrill L, Fyhrquist N, Koellensperger G. MeXpose-A Modular Imaging Pipeline for the Quantitative Assessment of Cellular Metal Bioaccumulation. JACS Au. 2024 May 28;4(6):2197-2210. doi: 10.1021/jacsau.4c00154. PMID: 38938797; PMCID: PMC11200229.

Projects

Memberships

Other Relevant Information