Daniel Schmitz

Curriculum Vitæ

Väktargatan 56E
754 22 Uppsala
Sweden
✆ *+46 70 047 06 04*
✉ *daniel.schmitz@igp.uu.se*

Education

since 2019   **PhD student**, *Department of Immunology, Genetics and Pathology*, Research Group Åsa Johansson.

2017 – 2019   **M.Sc. Bioinformatics**, *Ludwig-Maximilians-Universität and Technical University of Munich*, Grade: 1.5.
Scale: 1.0 (best) – 4.0 (worst)

2013 – 2017   **B.Sc. Bioinformatics**, *Ludwig-Maximilians-Universität and Technical University of Munich*, Grade: 1.6.

2005 – 2013   **Abitur**, *Friedrich-Schiller-Gymnasium Königs Wusterhausen*, Grade: 1.0.

Practical Experience

Vocational

2014 – 2019   **Software Developer/Student Employee**, *Center for Human Genetics and Laboratory Diagnostics*, Planegg.
I assisted in performing genetic analyses in a diagnostic setting focusing on rare diseases and neurodevelopmental disorders and developed software improving their outcomes and lowering their costs.

Voluntary

2022 – 2023   **Chairperson**, *RFSL Uppsala*.

since 2021   **Secretary**, *Medicinska Doktorandrådet*, PhD student council at the Medical Faculty.

2021 – 2022   **Treasurer**, *Medicinska Doktorandrådet*.

Publications

2022   Johansson, Å., Schmitz, D., Höglund, J., Hadizadeh, F., Karlsson, T. & Ek, W. E. Investigating the Effect of Estradiol Levels on the Risk of Breast, Endometrial, and Ovarian Cancer. *Journal of the Endocrine Society* **6,** bvac100. ISSN: 2472-1972. https://doi.org/10.1210/jendso/bvac100 (2022) (Aug. 1, 2022)

2021   Schmitz, D., Ek, W. E., Berggren, E., Höglund, J., Karlsson, T. & Johansson, Å. Genome-wide Association Study of Estradiol Levels and the Causal Effect of Estradiol on Bone Mineral Density. *The Journal of Clinical Endocrinology & Metabolism* **106,** e4471–e4486 (July 2021)

2021   Kierczak, M., Rafati, N., Höglund, J., Gourlé, H., Lo Faro, V., Schmitz, D., Ek, W. E., Gyllensten, U., Enroth, S., Ekman, D., Nystedt, B., Karlsson, T. & Johansson, Å. Contribution of rare whole-genome sequencing variants to plasma protein levels and the missing heritability. *Nat Commun* **13.** Number: 1 Publisher: Nature Publishing Group, 2532. ISSN: 2041-1723. `https://www.nature.com/articles/s41467-022-30208-8` (2022) (May 9, 2022)

2020   Karlsson, T., Schmitz, D., Ek, W. E., Rask-Andersen, M. & Johansson, Å. *Visceral adiposity and its impact on type 2 diabetes development – The rise-and-fall of a causal effect* Presentation at EMGM. Lausanne, Switzerland, 2020

2018   Bounda Ndinga, E., Eck, S. H., Brumm, R., Schmuck, M., Schmitz, D., Rost, I. & Klein, H. G. *MIDAS GPMS: A flexible gene panel management system* Poster at ESHG. Milan, 2018

2015   Brumm, R., Eck, S. H., Ebert, B., Vogl, I., Schmitz, D., Küçük, S., Rath, S., Hasselbacher, V., Sofeso, C., Busse, B., Chahrokh-Zadeh, S., Marschall, C., Mayer, K., Rost, I. & Klein, H. G. *A software tool for data Integration in a diagnostic laboratory* Poster at Genome Informatics. Cold Spring Harbor, NY, 2015

Grants

2023   **Rudbergs, A och M**, *SEK 79 441*.

2022   **Bergmark Travel**, *SEK 34 605*.

2021   **Anna Maria Lundin Resestipendium**, *SEK 38 680*.

2020   **Sederholms, utrikes**, *SEK 19 000*.

Awards

2018   **Member of best.in.tum**.
Promotion program for the top 2% of students at the TUM Department of Informatics

Programming & Data Analysis Skills

Basic   Rust

Intermediate   Perl, UNIX shell

Advanced   Java, R, Python, SQL, Microsoft Excel, LaTeX

Languages

German   Mothertongue   **English**   Fluent

Swedish   Advanced   **Portuguese**   Basic