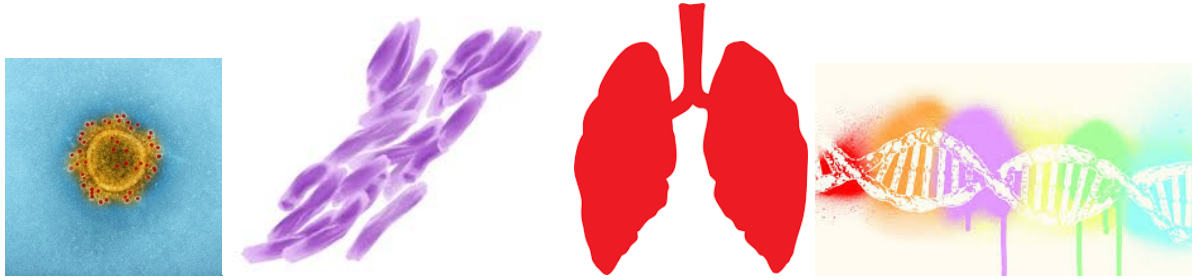


# *We are announcing a post doc position!*



*Are you interested in infectious disease, immunity and epigenetics?*

If so, you may be interested in knowing that we now have a position open in my group from September 2020 on, at Linköping University, Sweden.

In general, our studies analyze DNA methylomes from samples obtained from individuals exposed to infectious disease such as TB and Covid-19. The studies are anticipated to increase the understanding on how the identified changes relate to the immune defense.

The available position includes work with large datasets from DNA methylomes and transcriptomes, in future also metabolomes, which requests deep experience in bioinformatics, multi-layer omics, machine learning and/or systems biology. We have highly automatized lab protocols, but training and experience in wet lab techniques is an advantage. Since we are at a stage of summarizing already performed studies, skills in scientific writing and interpretation and generation of figures from omics data are also requested.

The candidate we are looking for should therefore have documented experience in bioinformatic analyses, know how to compile bioinformatic results in to informative graphs, is skilled in scientific writing (write-up of bioinformatic data) and in the best case also with some experience in wet lab work. The planned duration of the available post doc position is 2 years plus 1-2 years of possible extension. Career-developing steps such as participation in courses, networks, conferences and own post doc funding applications are strongly promoted for employees aiming at an independent career.

The group currently consists of three PhD students, two post docs and myself as a group leader.

Maria Lerm, PhD, Professor in Medical Microbiology

For more information, please contact me at [maria.lerm@liu.se](mailto:maria.lerm@liu.se)

The group web page: <https://liu.se/en/employee/marle69>

Selected publications:

1. [Identification of DNA methylation patterns predisposing for an efficient response to BCG vaccination in healthy BCG-naïve subjects.](#) Das J, Verma D, Gustafsson M, Lerm M. Epigenetics. 2019 Jun;14(6):589-601. doi: 10.1080/15592294.2019.1603963. Epub 2019 Apr 22. PMID: 31010371 **Free PMC article.**
2. [Anti-mycobacterial activity correlates with altered DNA methylation pattern in immune cells from BCG-vaccinated subjects.](#) Verma D, Parasa VR, Raffetseder J, Martis M, Mehta RB, Netea M, Lerm M. Sci Rep. 2017 Sep 26;7(1):12305. doi: 10.1038/s41598-017-12110-2. PMID: 28951586 **Free PMC article.**

