



NORDIC EMBL
PARTNERSHIP FOR
MOLECULAR MEDICINE



Post-doctoral position in Immunology/Cancer Biology at the Cava lab

We offer 1 postdoctoral position for an Immunologist or Cancer Biologist at the Department of Molecular Biology at Umeå University, Sweden. The opening is temporary with a competitive salary for two years but can be extended and it is available immediately or as agreed.



Umeå University provides creative environments for learning and work. More than 4,400 employees and 34,000 students have already chosen Umeå University. We welcome your application!

The Department of Molecular Biology has about 200 employees. The department's main tasks involve research, graduate education, and undergraduate education as well as interactions with the community. For more information, see: www.molbiol.umu.se

Project: The Cava lab, situated at the Laboratory of Molecular Infection Medicine Sweden (MIMS) and the Department of Molecular Biology (Umeå University), is a dynamic research environment focused on exploring bacterial cell wall biology and genetics. Our research spans the intersection of basic and clinical investigations.

Our findings have revealed that numerous bacteria modify the chemistry of their cell walls, leading to significant impacts on both innate and adaptive immune responses in the intestine. In this project, our objective is to delve into the biological significance of cell wall chemical remodelling within the context of metabolic interactions between the microbiota and the host. Specifically, we aim to understand how these interactions may contribute to the development of chronic inflammatory disorders of the intestine.

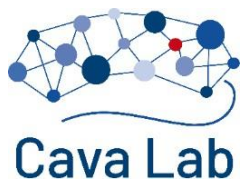
Selected recent publications of the Cava lab:

1. *Nature Communications* 2024. Feb; 13;15(1):1343.
2. *Nature Microbiology* 2023. Jun; 8, 1549–1560.
3. *Nature*. 2023 Jan;613(7945):721-728.
4. *Nature Communications*. 2022 Dec 24;13(1):79275.
5. *Nature Microbiology*. 2018 Dec; 3(12):1346-1353.

Learn more about us here: <https://thecavalab.com/>

Qualifications

Candidate must hold a university degree in Molecular Biology, Cancer Biology, Immunology or Microbiology equivalent to a European University PhD at the time of recruitment. You should be highly motivated, have very good communication skills and the ability to interact in a team. You must have a good working knowledge of standard molecular biology, microbiology, and immunology techniques. It will be particularly qualifying to have demonstrated expertise in characterizing pattern recognition receptors and their signaling pathways. You need to be skilled in both oral and written communication in English.



Application

A complete application (MS Word or PDF) should be submitted electronically in English to Felipe Cava (felipe.cava@umu.se) including: (i) a cover letter summarizing your qualifications and motives for applying, (ii) a curriculum vitae, and (iii) the names and contacts of three references.

For more information, please contact Dr. Cava: felipe.cava@umu.se or Dr. Bueno: emilio.bueno@umu.se
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