

## **2 postdoc positions in molecular biology/ cellular microbiology (Ernst lab)**

The newly established Ernst lab at the University of Cologne is looking to hire two postdocs to study the intersection of host metabolism and cell autonomous immunity in persistent bacterial infections.

These are 3-year, third party-funded positions with an envisioned start date of September 2024. The ideal candidates will have just finished a PhD thesis in molecular biology, microbiology or related field and will have gained significant experience in at least one of the methods mentioned below. Candidates will be highly motivated to apply and further expand their expertise. A permit to work in Germany/ the EU is required for both positions.

The first position will focus on genetic perturbations (CRISPR, CRISPRi, siRNA) and will study their impact on infection, pharmacological treatment, metabolomics and single cell transcriptomics. The second position will focus on a detailed characterization of the pathogen containing vacuole via confocal immunofluorescence microscopy, which will include the generation of bacterial reporters, and metabolomic studies.

Please send an email, with your CV attached, for more information and to apply for the positions.

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