



## Exciting Postdoctoral Opportunity in HIV Immunology Research

**Position:** Postdoctoral Fellow

**Location:** Molecular Virology, Linköping University, Sweden

**Duration:** 2 years (with potential extension for 2 more years)

We are looking for a **highly motivated and passionate** Postdoctoral Fellow to join our cutting-edge research team at Linköping University, Sweden. Our lab, led by Professor Marie Larsson, focuses on **HIV immunology**, particularly the intricate interactions between HIV-1 and dendritic cells (DCs) and their role in T cell activation and the events of primary HIV infection of mucosal tissues.

### The lab's research Focuses on:

- Unraveling the mechanisms of **primary HIV infection in mucosal tissues**, including identifying key receptors and cells involved in early infection of the cervical and rectal mucosa.
- Utilizing **in vitro lymph node models** to explore how HIV presence during DC-T cell priming impacts T cell functionality.
- Investigating the **immunomodulatory effects** of free and complement-opsonized HIV on DCs and how these interactions influence their ability to activate T cells.
- **Innovative techniques** such as scRNA seq, proteomics, spectral flow cytometry, primary cell and tissue culture, cell signaling, tissue bioinformatics will be employed to drive discoveries.

### Desired Skills & Experience:

- **PhD** in Virology, Immunology, Molecular Biology, or related fields.
- Experience working with **Dendritic Cells (DCs)**, immunology, HIV, or other viruses will be prioritized.
- Proficiency in techniques such as **cell isolation, bioinformatics, PCR, and tissue culture**.
- Strong **communication and writing skills**.

### Why Join Us?

- Collaborate in an outstanding research environment at the **Mucosa Infection and Inflammation Centre (MIIC)**.
- Be part of a prestigious university, Linköping University, one of Sweden's leading institutions, located just 2 hours from Stockholm.

If you're eager to contribute to impactful research on the frontline of HIV studies, we want to hear from you!

**Apply now** to join a team dedicated to advancing the understanding of HIV's impact on the immune system. Application deadline August 10<sup>th</sup>.

For further details and to apply, please contact:

Marie Larsson

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