

The **Leibniz Institute of Virology (LIV)** is an independent research institution for basic biomedical research. As a foundation under civil law and member of the Leibniz Association, the Institute occupies a leading position both nationally and internationally.

The **Research Department Virus Immunology**, headed by Prof. Marcus Altfeld, investigates antiviral immune responses, with a special focus on innate immune responses. Our group uses a wide range of experimental methods, including multiparameter flow cytometry, single cell gene expression analysis and in vitro culture systems, including 3D human organoid systems, to investigate the mechanisms underlying immune-mediated control of viral infections in humans. We are particularly interested in the mechanisms that mediate sex-specific differences in immunity against viruses (DFG RU 5068), with a focus on antiviral NK cell responses and Type I IFN responses. The project will involve experimental laboratory work, including the use of human organoids systems for viral infections and co-cultures of 3D organoids with immune cells, and studies assessing the impact of steroid hormones and X-chromosomal genes on immune responses in females and males.

We are looking for a highly motivated, ambitious and team-oriented candidate for a

Postdoc position (f/m/x)

Immunological mechanisms underlying sex differences in antiviral immunity

Your tasks:

- Conduct and shape a research project on the topic of sex differences in antiviral immunity
- Work as independent researcher with accountability towards the research project
- Integrate into the research team and provide support for junior members/students
- Present research findings at national and international level
- Develop future research projects and draft manuscripts

Your profile:

- Solid expertise in human immunology or cell biology and experimental laboratory work
- Strong commitment, team spirit, very good communication and organizational skills, and ability to work in an independent and flexible manner
- PhD degree in the Life Sciences
- Very good English language skills (oral and written)

What we offer:

- Working as part of a highly motivated team in a state-of-the art, international research environment with excellent core facilities
- Remuneration according to EG 13 TV-AVH (Hamburg Employment Law Association Collective Agreement) (comparable to TVöD - Civil Service Collective Agreement), including company pension scheme, 30 days of annual vacation
- Further training opportunities, incl. subsidized English and German courses at the institute
- Health protection offers at the Institute (in cooperation with voio GmbH)
- Flexible, family-friendly working hours
- HVV Deutschlandticket subsidy
- Canteen use subsidy

The position is initially limited for 2 years with starting date 2nd quartile of 2025.

The LIV is certified with the Total Equality distinction, and promotes work-life balance and professional equality between employees of all sex and genders. Severely disabled persons will be given preferential consideration if their suitability, qualifications, and professional performance are otherwise equal.

Your application should include a **letter of motivation, CV, short description of previous research projects and technical expertise, names and contact details of two referees and your certificates**. We look forward to receiving your application in English language until the 15th April 2025. Until the position is filled, applications received at a later date may be considered.

Would you like to shape the future with us? Then we look forward to receiving your application!



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