



The Laboratory of Allergology and Immunology within the Department of Pediatric Pneumology, Allergology Neonatology headed by Prof. Dr. Gesine Hansen offers a

Postdoctoral position

By integrating multi-omics data the project aims to dissect fundamental principles that govern the course and outcome of RSV infection of infants. We aim to identify and understand modifiers of disease severity and to define a matrix of genetic and/or quantitative biomarkers predicting disease severity towards development of novel diagnostic procedures.

The analysis will be performed in vitro as well as in murine models and with biosamples of a clinical cohort of young children with severe RSV infection. The project is performed in collaboration with the group of Prof. Thomas Pietschmann, Institute of Experimental Virology, TwinCore.

- We are part of the Excellence Cluster RESIST, the German Center for Lung Research (DZL) and other national and international networks.
- We provide an international, interdisciplinary, exciting and stimulating scientific environment at Hannover Medical School, Helmholtz Center for Infectious Diseases, TwinCore, Fraunhofer Institute.
- We use a wide range of molecular methodologies including but not limited to deep phenotyping of cells by FACS analysis, chipcymetry, single cell sequencing, transcriptomics, cytokine measurements and well established murine models.
- We offer a state-of the-art equipment in molecular biology and modern laboratories on the campus directly next to the clinic.

We are looking for an individual with experience in molecularbiology, immunology and ideally virology as well that likes to work in a highly motivated interdisciplinary team and that aims to analyze scientific questions that are highly relevant for patients with severe infection. Expertise in murine models would be particularly welcome.

The post is initially funded until 31.08.2022.

Please send your application by referencing to job offer containing CV, motivation letter (up to one page), and two references to:

Hannover Medical School, Department of Pediatric Pneumology, Allergology and Neonatology, Prof.
Gesine Hansen, Carl-Neuberg-Str. 1, 30625 Hannover, Germany or by e-mail:

hansen.office@mh-hannover.de

For further information related to the position, please contact:

Prof. Dr. Gesine Hansen, Telephone: +49 511 532 9138 or by Email: hansen.gesine@mh-hannover.de