

Postdoc position RECAST

Target group: PhD scientists

Subject: Immunology / Cell Biology

In the BMBF-funded RECAST project, Prof. Birgit Sawitzki from the Institute of Medical Immunology at the Charité-Universitätsmedizin Berlin researches in collaboration with scientists from the Clinic for Pediatrics with Pneumology, Immunology and Intensive Care Medicine, the Medical Clinic with a focus on infectiology and pulmonology and the Institute of Virology describe the cellular and molecular mechanisms that trigger protective immune responses in children against SARS-CoV-2 and thus explain their resilience to severe COVID-19 courses. Initial studies indicate age-dependent differences in the reactions of the innate and adaptive immune systems. These differences will be examined in more detail in RECAST. For this purpose, samples from infected and non-infected people of various ages have already been collected for exploratory investigations at the transcript and protein level.

Methods:

- Use of established CyTOF antibody panels & measurement of the collected blood samples
- Establishment of new antibody panels for measurements on the Spectral Analyzer (Cytek Aurora)
- Evaluation of the data in collaboration with the clinicians and bioinformaticians mentioned above

Prerequisite:

Completed doctorate in the field of immunology or cell biology; Knowledge of the establishment, execution and evaluation of cytometric analyzes, FloJo, GraphPad Prism

Start date: as soon as possible

Estimated duration: initially limited to December 31, 2021, further financing is planned

Payment: E13

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Please send your application documents as a PDF document (no more than 10 MB) to:

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