



Kira Schichel

eMail address:

kira.schichel@hhu.de

Nationality:

German

Phd student at:

Institute of Pharmaceutical Biology and Biotechnology

Main supervisor:

Prof. Dr. Kalscheuer

Project title:

Rational boosting of trained immunity by engineered *Mycobacterium bovis* BCG for heterologous vaccination

Research focus:

Mycobacterium bovis BCG is the current live vaccine used for prophylaxis against tuberculosis (TB), though it has not shown high effectiveness against pulmonary TB in adults. This project will focus on generating genetically modified *M. bovis* BCG strains and will investigate whether an infection of macrophage-like cells will lead to an augmented trained immunity phenotype and therefore result in an increased immune response upon secondary stimulation.

Personal interests & motto:

Trust the process!

Advantages of being a MOI V fellow:

As a MOI V fellow, we get the opportunity to exchange ideas, knowledge and experiences with other young as well as experienced researchers and to acquire deep knowledge about immunology and infectious biology beyond our own research topic.

MOI V fellow since:

04/2024

