

Sino-German Virtual Institute for Viral Immunology SGVIVI

中德病毒感染与免疫研究网

Dr. Torben Knuschke

Torben Knuschke completed his B.Sc. and M.Sc. studies in medical biology in Essen, Germany. Afterwards he received his Ph.D. in Immunology from the University of Duisburg-Essen, Germany. He did his postdoctoral training at the University Hospital in Essen and went to the Ragon Institute of MGH, MIT and Harvard in Boston, MA, USA. Since 2017 he is a junior group leader within the DFG Research Training Group 1949.

His research is focused on the modulation of innate and adaptive immune responses against viral infections. In particular he is interested in the mechanisms that induce T cell dysfunction and enhance innate immune activation. He established a nanoparticle system for its use in immunotherapy against chronic retroviral infection and developed methods to specifically target dendritic cells to improve acquired immune responses. He also investigates antibody based immunotherapies for the therapeutic treatment of influenza virus infection.