

Internship position: development of measles-specific antibody functionality assays (antibody-dependent cellular cytotoxicity, antibody-dependent cellular phagocytosis and antibody-dependent complement deposition)

Measles is a highly contagious infectious disease with a high morbidity and mortality, especially in endemic countries. Infants are most at risk when they are infected, facing an increased risk of measles-related complications such as bronchopneumonia or the frequently fatal subacute sclerosing panencephalitis.

Vaccination with live-attenuated measles virus vaccines is safe and effective, but the age at which the first measles vaccination is administered influences the measles-specific immune response later in life. Our project is to provide a better insight into the immunological priming and long-term immune memory by live-attenuated measles vaccination in relation to age of first immunization.

We are looking for a master student (starting in October 2024) that will join us by developing measles-specific antibody functionality assays (antibody-dependent cellular cytotoxicity, antibody-dependent cellular phagocytosis and antibody-dependent complement deposition).

Interested? Please send your CV and motivation to maaike.van.der.staak@rivm.nl