

PhD Student Position

Met Receptor Tyrosine Kinase in Antigen Presenting Dendritic Cells

RWTH Aachen University Medical School

The Institute is seeking a student with a Master/Diploma degree to fill an open PhD student position on **Met receptor tyrosine kinase in development and function of antigen presenting dendritic cells**.

The position is offered for 2 years with the option for extension and opens the opportunity to pursue a doctoral degree. The salary is based on the German public service salary scale TV-L E13.

Dendritic cells (DCs) are critically involved in inflammatory diseases e.g. in the skin (psoriasis, eczema or contact dermatitis). In our previous studies, we have identified an essential function of the HGF receptor/Met-signaling pathway in DCs for their emigration from skin. In this DFG funded project the impact of the Met receptor tyrosine kinase pathway in DCs on the regulation of cell motility, migration and immune response will be examined in more detail.

The successful candidate will apply state-of-the-art and advanced cellular and molecular methods (flow cytometry, Western blotting, chromatin immune precipitation (ChIP), qPCR, microarray analysis) and microscopic imaging techniques (confocal, two-photon, TIRF) using knockout and transgenic mouse models and cell culture systems.

From a successful candidate we expect:

- a Master degree in biology, biochemistry, biomedicine or biotechnology or related life sciences
- a high level of English language proficiency (verbally and written)
- knowledge in the field of immunology and particularly in DC biology and/or experience within the range of methods are a plus
- in addition to high motivation and the capability to work independent while being a team player we expect outstanding commitment and determination to succeed in science

We particularly welcome and encourage applications from women, disabled people and ethnic minority groups, recognizing they are underrepresented across RWTH Aachen University. The principles of fair and open competition apply and appointments will be made on merit.

Applications including cover letter, CV, academic transcripts and list of potential referees should be sent as a PDF-file via e-mail to Thomas Hieronymus, PhD, Group Leader, e-mail: thieronymus@ukaachen.de.

We are looking forward to your application!