POSTDOCTORAL RESEARCHER IN INFLAMMATION AND CANCER IMMUNOLOGY

Utrecht University (The Netherlands)

We are seeking a highly motivated Postdoctoral Researcher with a strong background in molecular biology, inflammation, and cancer immunology, to join our team.

Our "Molecular Targeted Therapies" group is mainly focused on rendering current therapies more selective. In particular, we have been developing a new approach for photodynamic therapy (PDT), making it more selective to cancer cells by using nanobodies. Although applied in some hospitals, PDT still is underutilized in the clinic, mainly because of the limited selectivity of the treatment, which employs hydrophobic photosensitizers that can interact with all cell types. Nanobodies are the smallest naturally-derived antibody fragments derived from heavy chain antibodies that exist in animals from the camelidae family, and we have demonstrated nanobody-targeted PDT can indeed kill cancer cells locally and selectively.

PDT has been described to induce an acute inflammation, which can trigger an antitumor immune response, thus we are seeking a postdoctoral researcher to investigate the responses triggered by nanobody-targeted PDT. **The ideal candidate:** holds a Ph.D. in tumor biology or immunology, with a strong publication record. The candidate should be experienced in molecular biology, measurement of immune responses, primary cell cultures, and in vivo mouse models. **The main tasks will include:** collecting and analysing data from in vitro and in vivo studies; supervising PhD and master students; collaborating with other researchers in Rotterdam and Leiden. As the candidate will integrate a multidisciplinary team, excellent communication and organization skills are required.

The position is currently available for the period October 2018 – September 2019, with the possibility to extend it. Applications including i) a research statement, ii) a CV and iii) a cover letter including names of at least two referees, can be sent via **email to** s.oliveira@uu.nl **until the 30th of August 2018.**

About the University of Utrecht:

A better future for everyone. This ambition motivates our scientists in executing their leading research and inspiring teaching. At Utrecht University, the various disciplines collaborate intensively towards major societal themes. Our focus is on Dynamics of Youth, Institutions for Open Societies, Life Sciences and Sustainability. The city of Utrecht is one of the oldest cities in the Netherlands, with a charming old center and an internationally oriented culture that is strongly influenced by its century-old university. Utrecht city has been consistently ranked as one of the most livable cities in the Netherlands.

Faculty: Faculty of Science

The Faculty of Science consists of six departments: Biology, Pharmaceutical Sciences, Information and Computing Sciences, Physics and Astronomy, Chemistry and Mathematics. The Faculty is home to 5600 students and nearly 1500 staff and is internationally renowned for the quality of its research. The Faculty's academic programmes reflect developments in today's society. Read the overall impression 2016 of the Faculty of Science.

Conditions of employment:

The gross salary is between € 3.175,00 and max. € 4.166,00 per month. This is supplemented with a holiday bonus of 8% and an end-of-year bonus of 8,3% per year. In addition we offer: a pension scheme, a partially paid parental leave, flexible employment conditions. Conditions are based on the Collective Labour Agreement Dutch Universities. The research group will provide the candidate with necessary support on all aspects of the project. More information is available on the website:
http://www.uu.nl/EN/informationfor/jobseekers/Working-for-Utrecht-University/terms-of-employment/Pages/default.aspx