#### **Bioinformatician (1 FTE)**

We offer a full-time position for the duration of one year, starting beginning of 2021, for a Bioinformatician, to strengthen the Computational Immunology Core of the Center for Translational Immunology (CTI) at UMC Utrecht. We are looking for a candidate with experience in bioinformatics at least at a Master’s level, with strong programming and communication skills, who can form a bridge between bioinformaticians and non-bioinformatic researchers within the CTI.

## **Department information**

The Center for Translational Immunology (CTI) concentrates top expertise on immunology in one center and is responsible for all research on immunological diseases at the University Medical Center Utrecht. The CTI conducts multidisciplinary translational immunological research, with the aim to improve the diagnostics and treatment of patients. Within the CTI, the Computational Immunology Core (CIC) provides bioinformatic, statistical and computational support for clinical and fundamental studies. The CIC connects bioinformaticians/mathematicians working in the different research groups of the CTI, and develops standardized pipelines for quality control and data analysis. Because of the increasing demand for bioinformatic skills in the biomedical field, the CIC also provides training in biomedical data science, including dedicated courses that are available to CTI members.

## **The position**

The overall aim of this position is to make bioinformatic approaches for the analysis of immunological “big data” more accessible for non-bioinformatic CTI members. The CIC has been developing numerous pipelines for the analysis and interpretation of immunological data, including Luminex and Olink data, as well as high-dimensional flow cytometry data. The analysis of such data currently relies on a limited number of bioinformaticians. The primary task of the candidate will be i) to translate these newly developed bioinformatic pipelines in a user-friendly way (by developing R-shiny apps), and ii) to train CTI members how to use these pipelines.

## **Job requirements**

The candidate should have a Master degree in Bioinformatics or Biostatistics, experience with big data analyses, excellent programming skills (especially R), and very good communication skills. Knowledge of R shiny would be appreciated. Knowledge of -or at least an interest in- immunology is desirable.

## **How to apply**

We aim to start this vacancy as soon as possible, at the start of 2021.

Please send your CV, along with a cover letter outlining your motivation and specific qualifications for this position, including contact information for at least one reference to j.borghans@umcutrecht.nl, no later than December 15, 2020.