Senior Scientist, Bioinformatics

Company Overview

MRM Health NV is a biopharmaceutical company focused on the discovery and development of innovative therapeutics based on the human microbiome. The company is based in a Center of Expertise for microbiome research and development in the biotech cluster in Ghent, Belgium, and has a strategic partnership with the VIB, with top research groups in both microbiome analysis and ecology and in host biology and disease research. MRM Health combines a number of proprietary innovative technologies as its discovery engine. This includes direct access to the most advanced simulator of the human gut, the Simulator of the Human Intestinal Microbial Ecosystem (SHIME®), allowing to model the complete intestine and its microbiome in the lab, in both health and disease. MRM Health has set up a diversified pipeline, with MH002, a drug candidate for Inflammatory Bowel Disease (IBD), as its most advanced program. The latter was successfully tested in phase 2a studies in both Ulcerative Colitis and Pouchitis and is in preparation for phase 2b and phase 3 development. We are dedicated to improving human health through innovative solutions and cutting-edge technology.

The Company is strategically supported by strong local and international investors, including Ackermans & van Haaren, Biocodex, Athos, SFPIM, DuPont, Qbic II, BNP Paribas Fortis Private Equity and VIB.

Position description

MRM Health is looking for a **Senior Scientist in Bioinformatics** to join and reinforce its Bio-IT Team in Ghent, Belgium, to support pre-clinical research and help translate this research into novel and differentiating products and, ultimately, breakthrough microbial strategies for the treatment of conditions associated to impaired intestinal health and immune mediated diseases.

Are you passionate about Bioinformatics and do you have hands-on experience in the field of the microbiome as well as mammalian and microbial omics? You will have the opportunity to become a key team member in MRM Health's Bio-IT team, boosting its discovery- and product improvement support capacity.

Main tasks and responsibilities:

- Multi-omics cohort, pre-clinical model and live biotherapeutic product analysis
- Collection and management of omics datasets, including public datasets. Analyse the datasets using relevant methods from bioinformatic perspective and biology perspective. Provide clear output reports and discuss the data within a multi-disciplinary team
- Evolutive maintenance of strain genome assembly, annotation and other bioinformatics pipelines
- Provide input in the to be used methodology and pipeline as well as support the development of relevant pipelines for In silico functional predictions of genomes and metagenomes, and analysis of host – microbiome interactions
- Sharing of results and predictions through R Shiny applications

- Contribute to scientific communication and provide input for IP protection
- Active survey of the bioinformatics state-of-the art, proposal and in-sourcing of new algorithms

Required Qualifications/Professional Experience

- PhD in bioinformatics and at least 5 years of professional- or post-doc experience
- Proven microbiome analysis and microbial genomics track record; experience with metabolomics, transcriptomics, epigenomics analysis and variant calling is a plus
- Solid Python programming, shell scripting and Git skills
- Expert knowledge of R; experience with Tidyverse and Shiny is a plus
- Experience with cloud computing & data management
- Ability to work in a multi-disciplinary team and a project-based matrix organisation
- Ability to present complex analyses and results concisely
- Team or trainee management experience is a plus
- Good organizational skills
- Good communication skills, flexibility and resilience, positive approach, forward-thinking, problem-solving skills. Willing and capable to go the extra mile if needed.
- Able to manage multiple and varied tasks and prioritize workload with attention to detail

We offer you the opportunity to grow and develop your competences and career in a rapidly evolving and dynamic environment. Your job title, level and salary will correspond to your education level, work experience, and skills.