

Bioinformatician

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Company: VIB

Location: Leuven

Category: computer-and-mathematical

Position summary Applications are invited to join an exciting research program within the VIB Center for Cancer Biology (<https://ccb.sites.vib.be/en>) led by the two directors D Lambrechts and JC Marine. The research will explore the molecular mechanisms of intra-tumour heterogeneity to provide insights into cell fate decisions, malignant stem cell renewal, treatment response, and resistance in cancer. The position will involve the analysis of single-cell RNA-seq and spatial Omics (including multiplex proteomics and transcriptomics data) through the application of best-practice bioinformatics workflows. The position will require a highly motivated bioinformatician or computational biologist to provide support for a variety of projects in Cancer biology. The role requires competency in programming languages such as Python and/or R and will involve working on a high-performance computing cluster. The individual will collaborate very closely with other bioinformaticians, and cancer cell and molecular biologists to work on joint initiatives. The position will be initially for a fixed term of 12 months with the opportunity to extend. Remuneration will be commensurate with qualifications and experience.

Profile Essential

Requirements Masters in Bioinformatics, Computational Biology, Statistics, Computer Science, Genetics or equivalent, but a PhD degree is certainly a plus Detailed knowledge in Python and/or R Solid grasp of statistics Excellent organizational and time management skills Flexibility and ability to develop new skills Ability to work both independently and as a member of a team High-quality written and oral communication skills Use of high-performance computing clusters

Desirable Requirements Experience in the analysis of single-cell RNA-Seq Experience in the analysis of spatial

transcriptomics/proteomics data is a strong asset Development of ShinyAppsExperience with data management of large-scale datasets Knowledge of cancer biologyWe offerDuration: full-time contract of one year with the possibility for extensions.(Early) access to state-of-the-art technologies.A stimulating (international, multidisciplinary) research environment where quality, professionalism, and team spirit are encouraged.The ability to work on scientifically exceptional and high-impact, state-of-the-art projects.Possibility of hybrid workingThe opportunity to be part of a young and dynamic team and to provide a meaningful contribution to genetic and oncological research.The University of Leuven is one of the most innovative universities in Europe. Leuven is located 20 min. from Brussels, in the center of EuropeHow to apply?Motivated candidates are asked to apply online.Applicants to this role should provide a cover letter outlining relative key skills and experience to assist us with our assessment.For further information about this opportunity, please contact Jeroen Declercq, jeroen.declercq@kuleuven.be

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