

Bioinformatician

Cancer Ecosystems and Metastasis Laboratory (CEMLab)

Position

The **Cancer Ecosystems and Metastasis Laboratory (CEMLab)** at the **Université Libre de Bruxelles (ULB)**, led by **Panagiotis (Takis) Karras**, is seeking for a skilled bioinformatician with experience in single-cell multi-omics. The candidate will focus on projects to better characterize the drivers of cancer metastasis, profile the inter- and intra-tumor heterogeneity and plasticity combining mouse models and clinical samples. Applicants should demonstrate expertise in programming languages (Python and/or R) as well as experience working with high-performance computing clusters. The successful applicant will join the **ULB Faculty of Medicine** and the **Institute Jules Bordet** within the campus.

About CEMLab

CEMLab investigates the cellular and molecular mechanisms driving the metastatic cascade and explores how the tumor ecosystem evolves in primary and metastatic organs. Our goal is to develop a comprehensive understanding of the molecular mechanisms and cell-cell interactions that favor metastasis and promote tumor outgrowth in distant organs.

Profile

We are seeking for motivated candidates having the following requirements:

- PhD in Bioinformatics, Computational Biology, or a related field.
Candidates without a PhD but with **demonstrated expertise in bioinformatics will also be considered.*
- Experience with high-throughput omics technologies such as gene expression transcriptomics, proteomics, epigenomics etc.
- Proficiency in Python and/or R.
- Ability to acquire and process data from sequencing facilities or public resources, work with HPCs, run, adapt existing pipelines.
- Work independently and collaboratively within a team.
- Collaborate with wet lab scientists to refine and integrate datasets.
- Strong written and oral communication skills.
- Experience with high-performance computing clusters and single-cell omics data analysis and integration (desirable).

What we offer

- A **full-time, 2-year funded contract**, with the possibility of extension.
- Stimulating research environment promoting quality, professionalism, and teamwork.
- Opportunity to work on a team in close collaboration with physicians.
- Possibility to attend training courses to learn and implement new bioinformatics pipelines.
- Immediate incorporation.
- Flexible working hours and measures to reconcile work, family and personal life.
- The salary will be commensurate according to experience following ULB's pay scale.

Want to join us?

Interested candidates should send their application via email to **Panagiotis Karras** at panagiotis.karras@ulb.be, including a cover letter detailing relevant skills and experiences and a CV for assessment.

Deadline

Applications will be accepted until the position is filled. **Early submissions are encouraged as the position is available for immediate start.**