

Postdoctoral fellow position at the HIV Cure Research Center (www.HCRC.be).

The HIV Cure Research Center (headed by Prof. Vandekerckhove Linos) is part of the Ghent University, Department of Internal Medicine and Pediatrics, located on campus UZ Ghent, Ghent, Belgium.



We have a unique postdoc position for our RID-HIV research program ([RID-HIV](#))

The RID-HIV Collaboratory “Reversing Immune Dysfunction for HIV-1 Eradication” is part of the Martin Delaney Collaboratories for HIV Cure Research, the flagship NIH program on HIV cure research.

RID-HIV is exploring the underlying basis of the immune dysfunction in people living with HIV and the impact it has on HIV persistence and viral control. The RID-HIV Collaboratory is led by Sumit K. Chanda, PhD (Scripps Research), Paula Cannon, PhD (University of Southern California), and Rafick Sékaly, PhD (Emory University).

About the HIV Cure Research Centre

The HCRC laboratory is looking for a talented and self-driven post-doctoral fellow to join our group. The perspective postdoc fellow will work closely with other lab members and our collaborators to develop software tools and perform single-cell multiomics and transcriptomics analyses of to generate new insights on the HIV viral reservoir at the single-cell resolution. With a combination of both experimental and computational approaches, our group provides an excellent environment for interdisciplinary research focusing on the understanding of the viral host factors influencing the SIV/HIV reservoir.

Requirements

- Interested candidates should hold a university degree preferentially in the field of bioinformatics, computer science, mathematics or engineering sciences and a PhD that demonstrates experience in the field of bioinformatics research.
- Interest in life sciences and a strong motivation to become acquainted with the field of HIV viro-immunology are mandatory. Experience with wet lab techniques (flow cytometry, PCR,...) is an asset, but not mandatory.
- You have experience in setting up, coordinating and analyzing bulk and single cell sequencing data (e.g. RNA, DNA, ATAC-Seq, CUT&RUN/ChIP, ribo-seq,...), spatial omics and related bioinformatic skills, functional genomics and downstream analyses.
- You are familiar with specific bio-informatic skills sets (languages like bash, python, R etc)
- You have excellent written and oral English skills, as evidenced by prior high ranked publications.
- You are a team player and a fluent communicator
- You are organized, passionate about scientific research and you can work independently.

Tasks

- You are involved in patient-related (clinical) HIV/SIV research projects together with an international team of postdocs, PhD students and laboratory technicians. You will help developing new technologies to better characterize the mechanisms responsible for HIV persistence in ART-treated individuals
- You are one of the internal and external point of contact for ongoing research projects in the field of HIV reservoirs
- You bring ideas for improving the development of projects in this specific field of HIV latency and HIV reservoir analysis.
- Project management and coordination the interface of in vitro and in vivo projects and downstream omics analyses

What can we offer you

- 3 year contract (first term)
- Participate in an exciting and rapidly evolving new research area within a multidisciplinary environment
- Become member of an established leading research lab with a young, dynamic and enthusiastic research staff with great team spirit Research team operating at international level and dedicated to perform research towards an HIV cure
- "state-of-the-art" technology and facilities (sequencing, FACs, imaging, molecular biology, histology, bioinformatics, in vitro CRISPR modeling, in vivo mouse modeling, advanced cellular models).
- A defined track for postdoc coaching and career development (see postdoc community at Ghent University <https://www.ugent.be/en/ghentuniv/strategic-plan/postdoc-community>)

About Ghent University

- Ghent University is a world of its own. Employing more than 8,000 people, it is actively involved in education and research, management and administration, as well as technical and social service provision on a daily basis. It is one of the largest, most exciting employers in the area and offers great career opportunities. With its 11 faculties and more than 80 departments offering state-of-the-art study programs grounded in research in a wide range of academic fields, Ghent University is a logical choice for its staff and students.

Interested

- Apply online through the e-recruitment system before the application deadline (see above). We do not accept late applications or applications that are not submitted through the online system.
- Your application must include the following documents:
 - o In the field 'CV': your CV and an overview of your study results (merged into one pdf file)
 - o In the field 'Cover letter': your application letter in pdf format
 - o In the field 'Diploma': a transcript of the required degree (if already in your possession). If you have a foreign diploma in a language other than our national languages (Dutch, French or German) or English, please add a translation in one of the mentioned languages.
 - o Note that the maximum file size for each field is 10 MB.

More information For more information about this vacancy, please contact Prof. Linos Vandekerckhove (linos.vandekerckhove@UGent.be, +32(0)9/332 33 98). Important: do NOT send your application by email, but apply online.