

<b>JOB DESCRIPTION</b>	
<b>Job Title</b>	<b>Bioinformatics position for the participation in HIV and COVID-19 infection projects integrating multi-omic analyses</b>
<b>Job Code</b>	<b>CB_Bioinfo_03052022</b>
<b>Full/part Time</b>	Full Time
<b>Research Field</b>	HIV, COVID-19 and other viral infections
<b>Direct Supervisor</b>	Christian Brander and Marta Ruiz-Riol
<b>Years experience required</b>	PhD completed
<b>Required Languages</b>	English
<b>Indicative Starting Date</b>	September 2022
<b>Minimum degree and field of knowledge</b>	PhD in Bioinformatics
<b>Summary</b>	<p>The IrsiCaixa AIDS Research Institute located on the Hospital Germans Trias I Pujol research campus has an opening in the Cellular Immunity and Host Genetics group for a Bioinformatics position to participate in the investigation of the impact that HIV and COVID-19 infections have at the peripheral blood and central nervous system level.</p> <p>The main objective of the project is the identification of the epigenetics, transcriptomics and proteomics cascades triggered upon either of these viral infections and definition of potential biomarkers predictive of HIV and SARS-CoV2 related diseases and response to new therapeutic targets.</p>
<b>Offer /Job Duties</b>	<p>Under the direction of the principal investigator and associate researchers, the applicant carries out daily in-silico activities framed in the context of different projected funded by European, and other international and national grants.</p> <p>Details: Omics data analysis for epigenetic (DNA-methylomes), transcriptomics (RNAseq and scRNAseq), TCRs repertoire and proteomics will be the major tasks to develop for the identification of epigenetic mechanisms, biomarkers and therapeutic targets at peripheral blood and cerebrospinal fluid.</p>
<b>Candidates profile / Qualifications</b>	<ul style="list-style-type: none"> <li>- Previous experience in -omics data analysis (e.g. DNA-methylation, TCR sequencing, scRNAseq, RNAseq, among others)</li> <li>- Strong programming skills in R and/or Python</li> <li>- Version control systems (Git/Github)</li> </ul> <p>Preferred:</p> <ul style="list-style-type: none"> <li>- Previous experience working on HPC (High Performance Computing) clusters and Familiarity with shell scripting (e.g Bash) is a plus</li> <li>- Good organizational skills and excellent attention to detail</li> <li>- Ability to work in a team and good interpersonal and communication skills</li> </ul>
<b>Deadline</b>	<b>July 31, 2022</b>
<b>Selection Process</b>	<ul style="list-style-type: none"> <li>- Pre-selection: It will be based on CV, academic record, and motivation letter</li> <li>- Interviews: Short-listed candidates will be interviewed</li> <li>- Offered Position: Job will be offered to the successful candidate after the interview</li> </ul>
<b>Required documents</b>	<ul style="list-style-type: none"> <li>- Academic certificate corresponding to the degree or degrees (Degree, Bachelor)</li> <li>- Academic certificate corresponding to the University Master's degree and PhD title</li> <li>- Curriculum vitae</li> <li>- Academic Record</li> <li>- Cover letter</li> <li>- Contact information for references</li> </ul>
<b>Contact</b>	<p>Marta Ruiz-Riol, PhD E-mail: <a href="mailto:mruiz@irsicaixa.es">mruiz@irsicaixa.es</a> Please, insert job code in the e-mail subject: <b>"CB_Bioinfo_03_052022"</b></p>