

Job description	
Job title	Post-doctoral position to study T cell immune responses and epigenetic regulation.
Job code	TIV_Post-doc_02_072023
Full/part time	Full time
Field	T cell immunity -omics
Direct supervisor	Marta Ruiz-Riol / Àlex Olvera
Experience	4 years of pre-doctoral research
Languages	English: basic
Starting date	October 1, 2023
Education	PhD
Summary	<p>IrsiCaixa AIDS Research Institute located in Hospital Universitari Germans Trias i Pujol has a T cell immunology and Vaccines (TIV) group opening for a highly motivated Post-doctoral Researcher.</p> <p>The main objective of a successful candidate will be to study the T cell response to viral infections (HIV, SARS-CoV-2, etc) as well as to vaccination by performing flow cytometry, -omics, and scRNA/TCRseq studies. The work will be performed in the framework of different national, NIH and HORIZON Europe-funded research projects.</p>
Job duties	<p>Under the direction of the principal investigator and associate researchers, the applicant will independently execute different projects ongoing in the TIV Research Group.</p> <p>Details: work will be performed under BSL2, BSL3, and BSL3plus conditions to evaluate T cell responses during natural infection or after vaccination and identify gene expression profiles due to epigenetic regulation.</p> <p>Main duties: to develop and analyze i) T cell responses by ELISPOT, flow cytometry, and cytokine secretion assays (Luminex, Olink, ELISA, etc), ii) changes in gene expression using transcriptomics, epigenetics, scRNA/TCRseq and proteomics analysis, iii) validation of biomarkers in plasma, PBMC, in vitro cell cultures, etc iv) preparation of scientific manuscripts and abstracts v) contribute to grant applications.</p>

<p>Candidate profile and qualifications</p>	<ul style="list-style-type: none"> • An appropriate candidate should hold a PhD in Life Sciences, 4 years of pre-doctoral research experience, and be fluent in English. Publication records will also be considered for the selection of the candidate • Previous experience with T cell immune response monitoring methodologies (ELISpot, Flow cytometry, Luminex, ELISA, etc) and -omics technologies (transcriptomics, scRNA/TCRseq, etc) will be specifically evaluated • Expertise in statistical analysis and/or bioinformatics will be a plus • Candidates must be highly motivated with an interest in infectious diseases and the immune response against them. • Good organizational skills and excellent attention to detail • Have good interpersonal skills to perform as a team member, in a dynamic, highly collaborative environment
<p>What we offer</p>	<ul style="list-style-type: none"> • Impactful, innovative, and interdisciplinary research projects • Mixed basic and clinical research environment in Biomedicine • Formation to work in BSL3 facilities, flow cytometry, statistics, etc • State-of-the-Art infrastructure • An international collaborative research environment • Flexible working hours • The stimulating environment of the Barcelona metropolitan area
<p>Application deadline</p>	<p>July 31, 2023</p>
<p>Required documents</p>	<ul style="list-style-type: none"> • Motivation letter • PhD certificate • Curriculum vitae in English
<p>Selection process</p>	<ul style="list-style-type: none"> • Pre-selection: It will be based on CV and motivation letter • Interviews: Short-listed candidates will be interviewed in person or online • Offered Position: The job will be offered to the successful candidate after the interview
<p>Contact</p>	<p>Dr. Àlex Olvera / E-mail: aolvera@irsicaixa.es</p> <p>Please, insert job code in the e-mail subject: TIV_Post-doc_02_072023</p>
<p>Where to find us</p>	<p>IrsiCaixa AIDS Research Institute Germans Trias i Pujol Hospital 2nd floor, Maternity building. Ctra. del Canyet, s/n. 08916 Badalona, Barcelona (+34) 93 465 63 74</p>