



JOB DESCRIPTION	
Job Title / Researcher Profile	Senior Research Technician to study T cell immune responses and epigenetic regulation
Job Code Reference	TIV_Senior Research Technician_01_032023
Full/part Time	Full time
Research Field	T cell immunity and vaccine development
Direct Supervisor	Marta Ruiz-Riol/Àlex Olvera
Years of experience required	2 years of experience minimum
Required Languages	ENGLISH: Basic
Indicative Starting Date	02/05/2023
Minimum degree and field of knowledge	Bachelor
Summary	<p>IrsiCaixa AIDS Research Institute located in Hospital Germans Trias i Pujol has an opening in the Host Genetics and Cellular Immunity group for a highly motivated Senior Research Technician.</p> <p>The main objective of a successful candidate will be to perform T cell-based assays and -omics studies to study the T cell response to viral infections, understanding the comorbidities related to these infections and the implications on vaccine development.</p> <p>The work will be performed in the framework of different national and HORIZON Europe founded research projects.</p> <p>The main goal of this work is to identify T cell responses associated with a better control of different viral infections (HIV, SARS-CoV-2, etc) and define biomarkers associated with different comorbidities, especially brain disorders.</p>
Offer /Job Duties	<p>Under the direction of the principal investigator and associate researchers, the applicant independently carries out daily activities in the laboratory for the execution of different projects ongoing in the Host Genetics and Cellular Immunity 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 as well as to identify gene expressions profiles due to epigenetic regulation.</p> <p>The main duties will be to perform: i) Immune assays to measure T cell responses like ELISPOT, flow cytometry and cytokine secretion assays (luminex, Olink, ELISA, etc), ii) changes in gene expression using transcriptomics, epigenetics and proteomics analysis. iii) validation of biomarkers in plasma, PBMC, in vitro cell cultures, etc</p>
Candidates profile / Qualifications	<ul style="list-style-type: none"> An appropriate candidate should hold a Bachelor in Life Sciences, at least 2 years of laboratory experience and be fluent in English. Academic records will also be considered for selection of the candidate Holding a Master or a PhD in Immunology or Infectious Diseases will be a plus Previous experience with T cell immune response monitoring methodologies (ELISpot, Flow cytometry, Luminex, ELISA, etc) and -omics technologies (transcriptomics, scRNAseq, etc) will be specifically evaluated

	<ul style="list-style-type: none"> • Candidates must be highly motivated and independent, with the ability to work in a dynamic team environment, with a great interest on infectious disease and the immune response against them. • Good organizational skills and excellent attention to detail. • Ability to perform as a team member and have good interpersonal skills to work in a highly collaborative environment
We offer ...	<ul style="list-style-type: none"> • Formation to work in BSL3 facilities, flow cytometry, etc • An international collaborative research environment • Flexible working hours • Impactful, innovative and interdisciplinary research projects • Mixed basic and clinical research environment in Biomedicine • State-of-the-Art infrastructure • The stimulating environment of the Barcelona metropolitan area
Selection Process	<ul style="list-style-type: none"> • Pre-selection: It will be based on CV, academic record, and motivation letter • Interviews: Short-listed candidates will be interviewed in-person or on-line • Offered Position: Job will be offered to the successful candidate after the interview
Deadline for Application	07/04/2023
Required documents	<ul style="list-style-type: none"> • Curriculum vitae • Academic certificate corresponding to the degree or degree equivalent (Degree, Bachelor) • Academic certificate corresponding to the University Master's degree • Academic record • Curriculum vitae in English
Contact	Dr. Àlex Olvera / E-mail: aolvera@irsicaixa.es Please, insert job code in the e-mail subject: TIV_Senior Research Technician_01_032023