

Job description

Job title	PhD Student Position to be granted by the Spanish Research Agency
Job code	GREC_PhD Student_01_072023
Full/part time	Full-time dedication, 4 years fellowship
Field	Immunology and virology
Direct supervisor	Prof. J Martínez-Picado and Dr. Patricia Resa-Infante
Starting date	December 2023
Summary	<p>We are looking for an enthusiastic and motivated PhD candidate to join our group, GREC, at the IrsiCaixa AIDS Research Institute located at Biomedical Campus Can Ruti (Barcelona).</p> <p>Our current scientific interests focus on characterizing viral immunopathogenesis of human diseases, including HIV-1, SARS-CoV-2, RSV, EBOV and LASV. We aim to understand the endocytic mechanisms used by viruses during cell uptake and <i>trans</i>-infection processes, especially in primary cell systems. Beyond this, we investigate novel biomarkers and test therapeutic agents in the context of different diseases.</p> <p>Within this context, the PhD student position will be linked to the project entitled “Dissecting CD169-mediated endocytic mechanisms in myeloid cells and their contribution to virus dissemination” (PID2022-129271OB-I00), granted as well by the Spanish Research Agency.</p> <p>The group is led by ICREA Res. Prof. J Martínez-Picado and composed by an interdisciplinary, motivated and creative scientific team which is supported by innovative technologies.</p>
Job duties	<ul style="list-style-type: none"> ✦ Design, development and analyses of experimental procedures in immunovirology, such as cell culture, flow cytometry, molecular biology, and biochemistry. ✦ Develop experimental work to investigate biodistribution and activity of therapeutic agents. ✦ Work in Biosafety level 3 and 2 (BSL3, BSL2) facilities. ✦ Active update on scientific literature related to the research topic. ✦ Writing scientific reports and articles. ✦ Presenting progress work in meetings, including international conferences. ✦ Science dissemination activities. ✦ Maintain well documented laboratory records. ✦ Participate in regular maintenance of laboratory activities
Candidate profile and qualifications	<ul style="list-style-type: none"> ➤ Minimum degree: Graduates in Biology, Biochemistry, Biotechnology, Pharmacy or Chemistry. ➤ Highly motivated. ➤ Previous experience in immunovirology, cellular and molecular biology, or biochemistry will be valued, as well as bioinformatics complementary training. ➤ Excellent organizational skills for reporting results analysis. ➤ The ability to work in a dynamic and international environment with good interpersonal skills. ➤ Good working knowledge of written and spoken English. <p>The candidate should be a very self-reliant person who can bring something to the team, as will have to design innovative and creative experimental approaches.</p>
What we offer	<ul style="list-style-type: none"> ❖ An international collaborative research environment. ❖ Impactful, innovative and interdisciplinary research projects. ❖ Transversal and general training (such as gender equality, research seminars, science integrity). ❖ Mixed basic and clinical research environment in Biomedicine. ❖ State-of-the-art infrastructure.
Deadline	Application is open until the position is covered.
Required documents	<ul style="list-style-type: none"> • CV including contact details. • Motivational letter explaining your previous experience in research activities. • At least 2 references (email; Tel) and/or recommendation letters.
Selection process	<ul style="list-style-type: none"> • Pre-selection: based on CV, academic record, and motivational letter. • Short-listed applicants will be interviewed before the selection of the most convenient candidate.
Contact	<p>If you think this is the project for you, apply by contacting Dr. Patricia Resa-Infante at prinfante@irsicaixa.es. Please, insert job code in the e-mail subject.</p> <p>You can find us at IrsiCaixa AIDS Research Institute.</p>