

Job description	
Job title	<b>Predoctoral investigator</b>
Job code	IGG_PhD Fellow_01_01092025
Full/part time	Full time
Field	<b>Development of vaccine and antibodies for West Nile Virus</b>
Direct supervisor	<b>Dr. Jorge Carrillo</b>
Experience	Experience in cellular and molecular biology, generation of antibodies, flow cytometry, immunology, and working with animal models for research. Knowledge of communicating scientific activity and writing scientific articles.
Languages	English, Spanish, Catalan
Starting date	<b>January 1st, 2026</b>
Education and field of expertise	Bachelor's in biology, biochemistry, microbiology, pharmacy or equivalent. Master in Immunology or equivalent.
Summary	<p>We are looking for a highly motivated, enthusiastic, and proactive predoctoral investigator interested on vaccine and antibody development to join our group, IGG, at <a href="#">IrsiCaixa</a>. IrsiCaixa is located at the Biomedical Campus Can Ruti (Barcelona).</p> <p>The work will be focused on West Nile Virus (WNV) vaccine and antibody development and encompasses a broad range of technical expertise: from protein production and purification to <i>in vivo</i> studies. The research activity implies to work in a BSL-3 environment with infectious WNV and with animal models.</p>
Job duties	<ul style="list-style-type: none"> <li>Activities related to the research project (e.g. protein production and purification, ELISA, Western Blot, Flow cytometry, neutralization assays, among others).</li> <li>Immunogenicity and efficacy studies in animal models.</li> <li>Writing of scientific publications, grants, and scientific reports.</li> <li>Presenting data within and outside the laboratory groups at meetings and symposia.</li> <li>Maintaining detailed documentation of experimental work.</li> <li>Maintaining close communication with the PI regarding to project progress.</li> <li>Supervising student at the laboratory.</li> <li>Participating in IrsiCaixa's formative activities.</li> </ul>
Candidate profile and qualifications	<ul style="list-style-type: none"> <li>Competitive CV</li> <li>Good organizational skills and excellent attention to detail.</li> <li>Excellent written and oral communication skills in English.</li> <li>Candidate must be highly motivated and oriented to perform a scientific career.</li> <li>Capability to work in a dynamic team environment.</li> </ul>
What we offer	<ul style="list-style-type: none"> <li>A national and international collaborative research environment.</li> <li>Impactful, innovative and interdisciplinary research projects.</li> </ul>

	<ul style="list-style-type: none"> <li>• Transversal and general training (such as gender equality, research seminars, science integrity).</li> <li>• Possibility to participate in national and international scientific meeting.</li> <li>• Mixed basic and clinical research environment in Biomedicine.</li> <li>• State-of-the-art infrastructure.</li> </ul>
Application deadline	<b>October 31<sup>st</sup>, 2025</b>
Required documents	<ul style="list-style-type: none"> <li>• Curriculum vitae</li> <li>• Academic certificates (Bachelor's and Master's degrees)</li> <li>• Motivation letter describing previous work/research experience, current interests and career expectations. Indicate two referees for asking additional information. Briefly describing the relationship with them (PhD supervisor, workmate, etc)</li> </ul>
Selection process	<ul style="list-style-type: none"> <li>• Pre-selection: based on CV, academic record, and motivation letter.</li> <li>• Interview: short-listed applicants will be interviewed in person or online.</li> <li>• Offered position: the job offer will be sent to the successful candidate after.</li> </ul>
Application process	<ul style="list-style-type: none"> <li>• Through the <a href="#">IrsiCaixa website</a></li> <li>• By sending an email to <b>jobs@irsicaixa.es</b>. Applications that do not include the job code (IGG_PhD Fellow_01_01092025) in the subject line of the email will be disregarded.</li> </ul>
Where to find us	<b>IrsiCaixa</b> Germans Trias i Pujol Hospital   2nd floor, Maternity building. Ctra. del Canyet, s/n. 08916 Badalona, Barcelona <b>(+34) 93 465 63 74</b>