

Job description	
Job title	Predoctoral Investigator in Immunosenescence and Metabolic Aging in HIV
Job code	TRIA_PhD Fellow_01_01092025
Full/part time	Full time
Field	Immunology, virology and translational research
Direct supervisor	Dr. Marta Massanella
Experience	Bachelor's degree in any life or health science. Master's degree in any life or health science.
Languages	ENGLISH: advanced level
Starting date	Open until position is filled
Education and field of expertise	Biology, Immunology, Biomedicine, Biochemistry, virology or related
Summary	We are seeking for an enthusiastic and motivated pre-doctoral fellow to join TRIA Group (Translational Research in Immunology and Ageing) at IrsiCaixa located at Hospital Germans Trias i Pujol (Biomedical Campus Can Ruti, Badalona). The selected candidate will contribute to a project investigating immune aging and metabolic dysfunction in people with HIV receiving antiretroviral therapy (ART). The <u>project</u> aims to unravel how age at infection and timing of ART initiation shape long-term immune function, metabolic alterations, and risk of age-related comorbidities. Using a longitudinal multi-omic approach, the fellow will characterize immune and metabolic pathways and identify potential therapeutic targets to mitigate accelerated aging in people with HIV on ART. The TRIA group has extensive experience in translational immunology, working closely with clinical collaborators and international partners. The PhD student will have the opportunity to participate in ongoing studies, contribute to experimental design and data analysis, and develop new lines of research within a highly collaborative environment. The candidate will need to work at Biosafety level 3 (BSL3) facilities. For this PhD opportunity, the selected candidate will work closely with the PI to apply for personal fellowship funding from competitive programs such as FI-Joan Oró (AGAUR), Fundación Ramón Areces PhD Fellowships, FPU (Ministerio de Ciencia, Innovación y Universidades), INPhNiT "La Caixa" Foundation, among others.
Job duties	• Carry out independently daily wet-lab activities (Flow cytometry, ELISA, molecular biology techniques, cell culture). • Maintain accurate and detailed laboratory records of experimental protocols and analyses ensuring the traceability of generated data. • Contribute to the design and execution of experiments related to immunosenescence, immunometabolism, and aging in HIV. • Maintain close communications with the PI and research team regarding progress.

	• Interact with collaborators to design experiments, analyze and interpret the data. • Prepare scientific presentations and scientific publications. • Present research findings in internal lab meetings, seminars, and external conferences. • The position requires full-time dedication and scheduled flexibility.
Candidate profile and qualifications	• Competitive CV according to PhD program requirements (FI, FPU, etc.): – European Union Nationality. – Bachelor's degree qualifications >6.5. – Master's degree in biomedical sciences, biotechnology, immunology, or related field, obtained between Jan. 1st 2026 and Nov. 1st 2026. – Not having held a previous predoctoral contract at Spain. • Previous research or laboratory experience in general wet lab techniques (including flow cytometry, molecular biology, or cell culture) will be valued. • Strong organizational skills and excellent attention to detail. • Capacity to analyze, interpret and report results. • Candidate must be highly motivated, independent (with guidance) and with good interpersonal skills and the ability to work in a dynamic and collaborative team environment. • Data management skills for clinical and experimental datasets will be valued. • Advanced written and oral communication skills in English. • Motivation and orientation to perform a scientific career.
What we offer	• Impactful, innovative and interdisciplinary research projects. • Mixed basic and clinical research environment in Biomedicine. • International and interdisciplinary research environment consisting of wet lab scientists and data analysts. • State-of-the-art infrastructure and well-equipped offices. • Support and mentorship in preparing fellowships applications (FI Joan Oró, FPU, etc.). • Sponsored training opportunities on scientific and professional soft skills (including courses on leadership, communication, scientific writing, time management, data analysis, research seminars, etc.) • Subsidized cafeteria. • Flexible schedule. • Generous vacation package: 22 vacation days, plus a full week on Christmas, plus 3 personal days. • The opportunity to improve and grow professionally.
Application deadline	October 31st 2025
Required documents	• Curriculum vitae in English • Motivation letter in English explaining your academic background, research interests, and reasons for applying to this PhD position.

	• Academic certificates and records for bachelor's and master's degrees. • Recommendation letters (optional but appreciated) and/or reference contacts.
Selection process	• Pre-selection: evaluation of track record, CV and motivation letter • Interview: short-listed applicants will be interviewed in person or online. • Team interview: Selected candidates may also meet with team members to assess scientific interests, skills, and fit within the group. • The pre-selected candidate will apply for PhD training contracts. • Offered position: the job offer will be sent to the successful candidate after being awarded the PhD contract.
Application process	• Through the IrsiCaixa website • By sending an email to jobs@irsicaixa.es. Applications that do not include the job code, TRIA_PhD Fellow_01_01092025, in the subject line of the email will be disregarded.
Where to find us	IrsiCaixa Germans Trias i Pujol Hospital 2nd floor, Maternity building. Ctra. del Canyet, s/n. 08916 Badalona, Barcelona (+34) 93 465 63 74