

Job Vacancy : Predoctoral Researcher in Mechanisms of Pathogenesis of *Trypanosoma cruzi* (First Stage Researcher - R1).

Location : Barcelona, Spain Campus CLINIC.

Reports to : Prof. Joaquim Gascón and Dr. Julio Alonso.

Duration : 3 years.

Starting date : expected for January 2020.

Description: we are looking for a candidate to apply to a PhD training position funded by the Instituto de Salud Carlos III (ISCIII) in connection with a funded project to study the mechanisms of pathogenesis of *Trypanosoma cruzi* infection in humans. This protozoan parasite is the etiological agent of Chagas disease, a debilitating neglected tropical disease that affects >7 million worldwide and exerts a huge impact in Latin America.

The Barcelona Institute for Global Health (ISGlobal): ISGlobal (www.isglobal.org) is a cutting-edge institution with capacity to address global health challenges through research, translation and education. ISGlobal has an ambitious vision of being a world class centre in research, translation and education in Global Public Health working towards a world in which all people can enjoy health and is committed to improve global health and promote health equity.

ISGlobal has a broad portfolio in communicable and non-communicable diseases with special attention to environmental health determinants. Among our main ambitions in communicable diseases, we are making progress in the strategies to eliminate malaria and other NTDs such as yaws, to improve the diagnosis and treatment of Chagas diseases in endemic and non-endemic regions, to halt the spread of antibiotic resistance and to develop better and new approaches to reduce maternal and infant mortality in Africa. It also includes clinical and implementation research on HIV/AIDS and TB related to the epidemic in sub-Saharan Africa. Regarding non-communicable diseases our main ambitions include the understanding of the exposome, the characterization of the harmful environmental exposure during childhood including chemicals and radiation and those that affect the neurodevelopment, conducting and improving health impact assessments to support urban environment policies and providing knowledge that could be translated in more effective preventive strategies against cancer and respiratory diseases. Our contribution to improve the environment also includes research to support radio protection policies for both ionizing and non-ionizing sources and cutting-edge research on the role of climate and climate change in both communicable and non-communicable diseases. In all these areas ISGlobal approach includes generating new cutting-edge and operational research as well as developing large translational efforts to maximize its impact.

ISGlobal approach is multidisciplinary ranging from the molecular to the population level and including disciplines across health sciences, life sciences, environmental and climate sciences. Along with an outstanding faculty, experienced researchers and practitioners from many fields, ISGlobal is committed to develop postgraduate education programmes that meet the global health needs and expectations of the new generations of researchers and professionals.

Una iniciativa de:

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Human Resources Strategy for Researchers (HRS4R): ISGlobal obtained the Human Resources Strategy for Researchers (HRS4R, <https://euraxess.ec.europa.eu/jobs/hrs4r>) logo from the European Commission in July 2015. This reflects the talent-oriented strategy for human resources at ISGlobal and is a key tool for developing and implementing policies for talent attraction and retention.

ISGlobal PhD Programme: ISGlobal is a university research institute affiliated to the Universitat de Barcelona (UB) and the Universitat Pompeu Fabra (UPF). ISGlobal PhD programme has a broad international scope and is affiliated to these two universities.

This programme offers advanced training in a broad range of fields including cross-cutting issues for all PhD students at ISGlobal, offered at institutional level: Biostatistics; Data Management & Analysis; Oral Science Communication; Scientific Writing and team-playing skills.

The ISGlobal PhD programme is coordinated by the ISGlobal PhD Committee, chaired by Núria Casamitjana, which ensures each pre-doctoral student gets proper guidance from their supervisor and assesses and evaluates the general progress of the student's doctoral thesis. There is an annual PhD Symposium consisting of a one-day retreat attended by all ISGlobal PhD Students with the objective of raising visibility of the pre-doctoral work among staff and to promote scientific discussion among predoctoral fellows and create opportunities for networking and scientific collaborations. Thus, the ISGlobal PhD programme offers an excellent environment for developing a successful early research training period.

You can find more information at: http://www.isglobal.org/en/programme-train/-/asset_publisher/oSgA0dGQ1Hzi/content/isglobal-phd-programme

Main duties and tasks: the Predoctoral Researcher in Mechanisms of Pathogenesis of *T. cruzi* will be integrated in the Chagas disease group. Main duties will entail the design, development and performance of biological assays aimed at achieving a better understanding of the molecular mechanisms of *T. cruzi* infection pathogenesis. As part of the Chagas disease work group the Predoctoral Researcher will also participate in a variety of tasks like the maintenance of the biological collections and the laboratory tissue cultures.

Secondary tasks: networking with the project collaborators as well as contributing to related investigational efforts of the *T. cruzi* biology laboratory.

Training and experience: applications are invited from students holding the equivalent of a university Master's degree or from those who are already registered or admitted to a PhD programme in a Spanish university for the season 2019-20. Excellent academic transcripts, excellent level of spoken and written English (please note: Spanish is not required), and high level of motivation are required. Previous experience in cell culture and the performance of biological assays will be valued.

Skills: curiosity, willing to learn, team working, cell culture, biological assays, scientific writing, statistical data analysis.

Language: English required.



Conditions: Temporary contract linked to the PhD thesis and with internal salary scales.

How to apply: applicants must send a CV and a cover letter and passport copy by email to job@isglobal.org, with the subject heading **PhD_FIS_CHAGAS**. The closing date for the receipt of applications is **Mar 22nd, 2019**.

Applications will be accepted until 17.00 CET of the closing date.

Only shortlisted candidates will be contacted

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