

PhD position (through fellowship application)

The Barcelona Institute for Global Health, ISGlobal, is the fruit of an innovative alliance between academic, government, and philanthropic institutions to contribute to the efforts undertaken by the international community to address the challenges in global health.

ISGlobal is seeking a candidate to apply for scholarships and perform a **PhD within the Glycobiology** group, under the supervision of **Dr Luis Izquierdo**. The lab studies the biology and biochemistry of the malaria parasite, focusing on the glycobiology and the functional genomics of carbohydrate-active enzymes in *Plasmodium falciparum*. Due to their important roles in host-pathogen interactions and their common location in the cell surface, the study of glycans (i.e. carbohydrate chains) and their biosynthetic mechanisms constitutes a fertile ground for the discovery of drug targets and/or molecules with diagnostic and vaccine potential against malaria. In this project we aim to describe the biological role of the glycosyltransferases that operate in the parasite endoplasmic reticulum and the enzymes involved in the synthesis of glycosylation precursors.

Research Fields

- Parasite biology
- Biological chemistry
- Glycobiology

Venue:

Barcelona – ISGlobal Campus Clínic

Main duties and tasks:

- Successfully apply for PhD fellowships (FPU-MECD, La Caixa Fellowships ...)
- Tasks required by the research carried out at the laboratory (*P. falciparum* in vitro culture, molecular and biochemistry techniques, genetic manipulation of *Plasmodium* parasites, etc)
- Draft and review manuscripts, prepare presentations describing main results, etc
- Develop a PhD thesis on parasite biochemistry and molecular biology

Minimum requirements:

- Degree in Biotechnology, Biochemistry, Biology or similar
- Fluent in English
- Self-motivation and perseverance
- Basic training in laboratory techniques (molecular biology & biochemistry); knowledge about malaria and/or parasitology is an asset
- Good communication and teamwork skills
- Computer skills (Windows, Microsoft Office, Statistics and Bioinformatics) are of value
- The selected candidate will apply for PhD fellowships in competitive calls. For this reason, only candidates with average degree qualifications >8 (0-10 grading system) will be considered.

How to apply:

Applicants must send a CV and a cover letter by email to **job@isglobal.org**, with the subject heading **PhD_Glycobiology**. The closing date for the receipt of applications is **02/01/2018**.

Applications will be accepted until 17.00 CET of the closing date

Only shortlisted candidates will be contacted

In ISGlobal we are committed to maintaining and developing a work environment in which the values and principles of our organization are respected and equal opportunities between women and men be promoted in each of the areas in which we operate, not tolerating discrimination based on criteria such as age, sex, marital status, race, ethnicity, disabilities, political leanings, religion or sexual orientation.

"In accordance with articles 5 and 6 of Law 15/1999 on personal data protection, we inform you that your personal data will be incorporated into a Human Resources file, for which the Private Foundation Barcelona Institute for Global Health (ISGlobal) is responsible. If you do not inform us otherwise, ISGlobal will understand that you have consented to the processing of your data. Your information will not be disclosed to individuals or legal public or private entities without your consent unless authorized by law. You can exercise your rights to access, rectify, cancel and oppose the use of your personal information by contacting ISGlobal by post at C/Rosselló, 132, 5è 2a and 7è, 08036 - Barcelona or by email at info@isglobal.