**Title:** ISGlobal International PhD Programme in Global Health 2020 (8 PhD scholarships available!)

**Descripción**

ISGlobal is a hub of excellence in research and medical care, and is the first global public health centre to have received the Severo Ochoa Centre of Excellence Recognition from the Spanish State Research Agency. ISGlobal works toward the promotion of interdisciplinary science by incorporating research on poverty-related transmissible diseases as well as research on chronic diseases and their environmental and climate-related causes.

The ISGlobal PhD Programme brings together doctoral candidates from different health fields, and universities, to enjoy the added benefits of developing transdisciplinary research at our Institute.

Thanks to the Severo Ochoa Centre of Excellence Accreditation, in this call we offer up to 8 fellowships for national and international PhD students, who wish to undertake rigorous research training and complete a research project in the field of global health and population studies to make new contributions to the existing knowledge base.

Apply now to kick-start your scientific career at ISGlobal!

Select the research proposal/s of your interest from the list of research proposals provided at the end of this call, section “PhD Research Proposals” (a maximum of 2 proposals can be selected).

**Eligibility Criteria**

- Candidates can be of any nationality
- Candidates must have obtained a University Degree and a Master’s Degree in biomedicine, epidemiology, computer sciences, environmental sciences, biostatistics, or a related discipline within the European Higher Education System (minimum 300 ECTS, of which at least 60 are at master’s level), or an equivalent University Degree that allows to start a PhD thesis in the candidate’s home country by the expected starting date indicated in the selected proposal (please note that each candidate will be assessed for eligibility on individual basis by the corresponding PhD programme)
- Candidates must demonstrate academic excellence and a commitment to pursuing a scientific research career with an interest in global health and population studies
- Candidates must have good command of English
- Candidates already holding a PhD are not eligible
Candidates beneficiary of a PhD Fellowship by the Spanish Government are not eligible. Please note these criteria might slightly change since they are subject to the Ayudas para contratos predoctorales para la formación de doctores 2020-call from the Spanish Ministry of Science and Innovation.

How to Apply

Applicants must fill in the request form, including the reference PhD_SeveroOchoa_Mar20, and attach the following documents:

- Curriculum vitae (please include: Birth Date, Nationality and Current living address)
- A motivation letter (1 page MAX, A4, Arial, size 11, single space), mentioning the number of the selected research proposal and the name of the corresponding Group Leader (a minimum of 1 and a maximum of 2 proposals can be selected), and the justification for its selection
- A scanned copy of the student’s academic transcripts (degree and masters). If the academic transcripts are not in Catalan, Spanish or English, applicants should also attach a translation in one of the above-mentioned languages
- One recommendation letter from a university lecturer or scientist, with whom the applicant has studied or worked

Please note that each submitted document must include the candidate name and surname. Candidates must ensure that all required information is submitted before the application deadline of 30 April 2020. Incomplete proposals will not be considered.

Selection Process and Selection Criteria

All applications are reviewed by an ad hoc Committee. Candidates are selected on the basis of academic excellence and a commitment to pursuing a scientific research career with an interest in global health and population studies. A good command of English is requested.

By mid-May, short-listed candidates will be invited for a TC interview. Selected candidates will be notified shortly after the interview period. Please note that the expected incorporation date varies according to the chosen research proposal.

Key Dates

Call opening: 30 March 2020

Call deadline: 30 April 2020

Notification to candidates: 31 May - 15 June 2020

Expected incorporation date: depending on the research proposal
Contact

For any additional information, please contact research.management@isglobal.org.

PhD Research Proposals

Please find the list of PhD research proposals below. **A minimum of 1 and a maximum of 2 proposals can be selected.** When applying, don't forget to mention the correct proposal number and the name of the corresponding Group Leader in your cover letter. Please note that each proposal is associated with a specific expected starting date.

1. **Socioeconomic drivers of early adaptation to climate change and air pollution**  
   Group Leader: Joan Ballester (joan.ballester@isglobal.org)

2. **Broad One Health Endectocide-based Malaria Intervention in Africa (BOHEMIA)**  
   Group Leader: Carlos Chaccour (carlos.chaccour@isglobal.org)

3. **Molecular mechanisms triggering sexual conversion and transmission in malaria parasites**  
   Group Leader: Alfred Cortes (alfred.cortes@isglobal.org)

4. **Exposure to greenspace and pre- and postnatal neurodevelopment**  
   Group Leader: Payam Dadvand (Payam.dadvand@isglobal.org)

5. **Immune deviation in malaria, helminthiasis and other co-infections (in Africa)**  
   Group Leader: Carlota Dobaño (carlota.dobano@isglobal.org)

6. **Targeting vesicle trafficking as a new therapeutic strategy against malaria**  
   Group Leader: Xavier Fernandez (xavier.fernandez@isglobal.org)

7. **Plasmodium vivax: a hidden parasite challenging malaria elimination (HIDDENVIVAX)**  
   Group Leader: Carmen Fernandez (carmen.fernandez@isglobal.org) and Hernando del Portillo (hernandoa.delportillo@isglobal.org)

8. **Exposure to noise during pregnancy, cardiovascular function and fetal development**  
   Group Leader: Maria Foraster (maria.foraster@isglobal.org)

9. **Physical activity in high air pollution settings for chronic respiratory patients**  
   Group Leader: Judith Garcia (judith.garcia@isglobal.org)

10. **Title Early environmental exposures and infant’s immunity and microbiota development**  
    Group Leader: Mireia Gascon (mireia.gascon@isglobal.org)

11. **Chromosome Y in circulating cell-free DNA as a biomarker for cancer in men**  
    Group Leader: Juan Ramon Gonzalez (juanr.gonzalez@isglobal.org)

12. **Implementation science and operational research to decrease malaria in Mozambique**  
    Group Leader: Caterina Guinovart (caterina.guinovart@isglobal.org)

13. **Title Urban environmental pollutants and brain functional connectivity in adolescence**  
    Group Leader: Monica Guxens (monica.guxens@isglobal.org)
14. N-glycosylation in malaria parasites
Group Leader: Luiz Izquierdo (luis.izquierdo@isglobal.org)

15. The Fourth 90: HIV Outcomes Beyond Viral Suppression
Group Leader: Jeffrey V Lazarus (jeffrey.lazarus@isglobal.org)

16. Omics to characterize malaria transmission and accelerate elimination in Africa
Group Leader: Alfredo Mayor (alfredo.mayor@isglobal.org)

17. Interventions to improve maternal and infant’s health in low income countries
Group Leader: Clara Menendez (clara.menendez@isglobal.org)

18. Effect of mass drug administration with ivermectin on malaria immunity
Group Leader: Gemma Moncunill (gemma.moncunill@isglobal.org)

19. Understanding transmission dynamics and herd immunity associated with SARS-CoV-2 infection
Group Leader: Jose Muñoz (jose.munoz@isglobal.org)

20. Assessment of coverage and effectiveness of decentralized HIV services on retention in care in Southern Mozambique
Group Leader: Denise Naniche (denise.naniche@isglobal.org)

21. Health impact assessment of urban and transport planning in cities
Group Leader: Mark Nieuwenhuijsen (mark.nieuwenhuijsen@isglobal.org)

22. Study of immunothrombosis and lipotoxicity processes as mechanisms of pathogenesis in Chagas disease
Group Leader: Julio Padilla (julio.a.padilla@isglobal.org) and Quim Gascón (quim.gascon@isglobal.org)

23. Development of new metalloantibiotics against multidrug resistant bacteria
Group Leader: Sara Soto (sara.soto@isglobal.org)

24. Particulate matter translocation to placenta and its effects on fetal growth
Group Leader: Jordi Sunyer (jordi.sunyer@isglobal.org)

25. Advancing data science approaches to characterize environmental exposures
Group Leader: Cathryn Tonne (cathryn.tonne@isglobal.org)

26. Exposome Project for Health and Occupational Research - Mega Cohort
Group Leader: Michelle Turner (michelle.turner@isglobal.org)

27. Drinking water pollution and health
Group Leader: Cristina Villanueva (cristina.villanueva@isglobal.org)

28. Combining the exposome and multi-omics to predict health trajectories in children and adolescents
Group Leader: Martine Vrijheid (martine.vrijheid@isglobal.org)