

JOB DESCRIPTION TEMPLATE: (Euraxess labels)

Title (include department or project): Postdoctoral Researcher in Epidemiology/Public Health/Economics/Statistical Modelling, Health Impact Assessment Programme

Location : ISGlobal, Campus Clinic, C. Rossello 171

Reports to : Prof. Davide Rasella

Send applications to: Davide Rasella

Publish on (optional):

Most common publications sites: ResearchGate, Biocat, Gesrec, Euraxess, Reliefweb, SOMMA, Universities UB, UPF, IDD.es (infectious diseases), findaPhD, Nature.es, ISEE.

Description:

The Barcelona Institute for Global Health (ISGlobal) is a cutting-edge institute addressing global public health challenges through research, translation into policy, and education. ISGlobal has a broad portfolio in communicable and non-communicable diseases including environmental and climate determinants, and applies a multidisciplinary scientific approach ranging from the molecular- to population-level. ISGlobal's research is organized into the following themes: Malaria and other Infectious Diseases; Maternal, Child and Reproductive Health; Urban Health, Child, and Environmental Health; Climate; and Non-Communicable Diseases. ISGlobal is accredited with the Severo Ochoa distinction, a seal of excellence from the Spanish Science Ministry.

The activities will be carried out in the framework of the project "EChILiBRiST – Enhancing Children's Lives with Biomarkers for Risk Stratification and Triage (<https://www.isglobal.org/en/-/echilibrist-project>), is a consortium of 13 institutions from across Europe, Africa, and North America. This consortium aims to develop and clinically validate a quantitative point-of-care test (PoCT) to measure biomarker severity and improve risk stratification of fever syndromes and, therefore, enhance child survival.

What We Are Looking for:

ISGlobal is seeking a Postdoctoral candidate in epidemiological modelling for the Health Impact Assessment (HIA) research group, to manage activities in the project Echilibrist.

The overall goal of the HIA group is to evaluate the impact of public interventions on health outcomes. The HIA group is part of the ISGlobal Severo Ochoa (SO) programme which supports interdisciplinary science to improve the understanding of complex health problems. The group collaborates with other programmes to evaluate and model more effective interventions to advance the Sustainable Development Goals. HIA also aims to

maximize its research impact through advocacy activities and dynamic dialogue with policy makers and programme managers.

Within the Echilibrist Project, the HIA team is creating advanced individual-based models to assess how enhancing socioeconomic conditions, healthcare systems, and implementing Point-of-Care Testing (PoCT) strategies will affect child health in Mozambique, Ethiopia, and Gabon, with subsequent expansion across all of Sub-Saharan Africa.

Additionally, the postdoctoral candidate will collaborate with other HIA projects, and gain the benefit from the expertise of a wide network of researchers and modellers in Spain, Latin America, and Sub-Saharan Africa, where the HIA team has similar models and studies. For more insights into Echilibrist and the collaborative network of the HIA group and its projects, please visit:

<https://www.isglobal.org/en/health-impact-assessment>

<https://echilibrist.org/>

<https://gsenetwork.wordpress.com/>

Field research:

- Agricultural sciences
- Anthropology
- Biological sciences
- Chemistry
- Computer science
- Economics
- Engineering
- Environmental science
- Ethics in health sciences
- Geosciences
- Mathematics
- Medical sciences
- Neurosciences
- Pharmacological sciences
- Physics
- Sociology
- Technology
- Other

Tags (general keywords):

#Epidemiological Modelling, #Health Impact Assessment and Evaluation,

#Forecasting, #Policy-making, #Global Social Epidemiology, #Child Health

#Health Inequalities

Training and experience /Qualifications:

- A PhD in Epidemiology, Public Health, Health Economics, or related fields OR a Degree in Epidemiology, Public Health, Health Economics, AND a PhD in Statistics, Mathematics, Engineering, or related fields;
- Expertise and previous experience in working with Epidemiological, or Statistical, or Mathematical Models;
- Experience with coding, preferably in R, or Python, or Julia;
- Demonstrated track record of achievements including publications in peer-reviewed journals.

Specific Requirements: Immediate incorporation

Key Responsibilities:

Conducting epidemiological and statistical modelling studies in projects led by the HIA group. Supporting the development of study proposals in the area of HIA.

Specific Duties:

- Design and conduct epidemiological and statistical modelling studies;
- Perform microsimulation and individual-based model analyses;
- Prepare scientific manuscripts;
- Contribute to scientific discussion and participation in other activities in the HIA group;
- Support the writing and organization of scientific proposals.

Auxiliar task

This job description reflects the present requirements of the post but may evolve at any time in the future as duties and responsibilities change and/or develop providing there is appropriate consultation with the post-holder. This job description is not a definitive or exhaustive list of responsibilities but identifies the key responsibilities and tasks of the post holder. The specific objectives of the post holder will be subject to review as part of the **individual professional assessment process**.

Skills

- Working with people from different cultures

- Teamwork
- Problem solving
- Capacity to learn
- Responsibility
- Flexibility
- Excellent organization and coordination skills
- Capacity to work independently
- Effective verbal and written communication skills.

The post holder will adhere to ISGlobal principles contained in **People management policy, including Equity, diversity and health safety**. The post holder will respect and be accountable to safeguard ISGlobal policies and procedures.

Language level:

Required: written, reading, and spoken English.

Conditions:

Duration: 1 year, with the possibility of extension to 2 or more years based on satisfactory performance

Starting date: **September 2024**

Contract: Full-time

Salary Range: According to internal scales (Postdoctoral fellow – D)

Selection Process:

The selection process is two phases:

- 1- Interview with the HIA team to assess the candidate's skills and CV.
- 2- Meeting with HR with the finalist(s) to finish assessing the profile and discuss contractual and institutional matters.

If needed, a technical test may be issued. A Psychological Competency Evaluation Test will be required for structural or transversal positions.

How to apply:

Applicants must fill in the request form and include the following code reference

position: **Position_ Postdoc_HIA_Echilibrist_jul24**, and attach a CV and Cover

Letter. Each attached document must be named with the candidate's name and surname.

Applications will be accepted until 17:00 (CET) Sept 7th 2024.

Only the applications submitted through the request form will be considered.

Only shortlisted candidates will be contacted.

The interviews could be placed during the reception candidatures period.

Diverse candidacies are welcome, that includes: gender, race, ethnicity, religion, age, sexual orientation, physical abilities, and political views.

At 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 are promoted. We do not discriminate based on criteria such as age, gender, marital status, race, ethnicity, functional diversity, political leanings, religion, sexual orientation, or gender identity or gender expression.

ISGlobal supports the initiative **#ScienceforUkraine**. To sustain Ukraine's presence in the European Research Area and international scholarly community, candidates from Ukraine across all levels of scholarly career are welcome: students, PhD candidates, early career researchers, and senior scholars.

We confirm our commitment to the value of the diversity of our staff and student population, and seek to promote peace, equity, diversity, and inclusion as essential elements in contribution to improving health worldwide.

To be completed by HR:

-Female candidates:

-Nationalities:

-Interviewer panel:

-Recruitment time: