



Postdoctoral Opportunity in

STUDYING THE CAUSES OF CANCER IN DIVERSE POPULATIONS INCLUDING EARLY ONSET COLORECTAL AND BREAST CANCER

Genomic Epidemiology (GEM) Branch

Location: International Agency for Research on Cancer / World Health Organization, Lyon, France

Deadline for applications: 31 May 2025

Start date: As soon as possible

Duration: 12 months with the expectation of renewal

Stipend: 2,950€ per month (net)

Contact and Required Documents: Applicants should send a **CV** (including list of publications and a description of previous research experience), a **motivation letter** and the names and addresses of **two academic referees**, by email, with a subject header "IARC Postdoctoral Opportunity" and "To the attention of: Dr Paul Brennan/ Dr Sandra Perdomo", to: Ms. Natalia ALVES (alvesn@iarc.who.int).

The International Agency for Research on Cancer (IARC) is a multi-disciplinary research institute based in Lyon, France. It is an independently funded institution, and a specialized cancer agency of the World Health Organisation. The particular focus of IARC is international collaborative research projects spanning a wide range of disciplines including cancer epidemiology, aetiology, genomics, carcinogenesis, early detection, prevention and implementation science.

The Genomic Epidemiology Branch (GEM) at IARC investigates novel and emerging causes of cancer around the world, with the goal to contribute to cancer prevention. It does this by combining epidemiology and genomics techniques, along with collaborations with leading international academic, research and clinical centres around the world. The work developed in GEM includes topics of interest such as **(i) investigating the genomic and epidemiology profiles of early onset colorectal and breast cancers (ii) analysing if microbiome-derived mutagens are associated with the development of early-onset colorectal cancer (iii) studying the genomic effect of obesity in breast cancer development, and (iv) understanding international differences in early onset colorectal and breast cancer with a focus on Low- and Middle-Income Countries (LMICs).**

A postdoctoral opportunity is immediately available within GEM to contribute to the above topics.

The successful candidate(s) will be supervised by Dr Sandra Perdomo (scientist of the Genomic Epidemiology branch) and Dr Paul Brennan (Head of the Genomic Epidemiology branch). They will conduct integrative analyses focusing on joint interpretation of omics data and epidemiological information together with a multidisciplinary team of international collaborators.

Your profile:

The successful candidate would ideally have:

- A recent PhD (i.e. within the last 5 years) in relevant area such as: genomic or molecular epidemiology, bioinformatics, biostatistics or genetics.

- Strong background in the analysis of biological data, epidemiology, bioinformatics, or biostatistics.
- Prior experience manipulating multi-omics, epidemiological data using statistical methods.
- Strong background within statistical or scripting languages such as R or Python.
- Good communication skills, with the desire to interact with a group of international collaborators.
- Strong English language skills, both spoken and written.
- Willingness to learn new skills and techniques.
- Desire to bring new ideas and be enthusiastic about cancer genomic and molecular epidemiology research.

We offer:

The postdoctoral scientist will evolve in an innovative and scientifically stimulating environment and will have opportunities to interact and collaborate with colleagues from IARC and its worldwide networks. The postdoctoral scientist will conduct research activities in a modern and scientifically invigorating environment. The cost of return travel for the successful candidate, and in certain circumstances for dependents, will be covered. If applicable, IARC will pay dependence and health insurance allowances.

IARC postdoctoral scientists are based full-time in Lyon and are expected to be in-person at the office the majority of time, whilst allowing for attractive flexible work arrangements to help promote a healthy work-life balance.

For more information about postdoctoral stays at IARC, please read the [IARC Postdoctoral Charter](#). For more information about IARC/Early Career and Visiting Scientists at IARC, please consult [IARC's Welcome Pack](#) and [ECVS Frequently Asked Questions](#).

We value diversity:

IARC is committed to achieving [gender parity and geographical diversity in its staff](#). Applications from people with disabilities, and nationals of low- and middle-income countries are particularly encouraged. IARC currently has more than 340 personnel members from almost 60 countries. Postdoctoral scientists at IARC (around 70 at any point in time) have access to a wide spectrum of scientific disciplines and to a unique network of collaborators across the world.