

Postdoctoral Opportunity

SECTION OF GENETICS / GENETIC EPIDEMIOLOGY GROUP

The Genetic Epidemiology Group (GEP) investigates lifestyle and genetic factors involved in cancer in diverse populations, with the aim of contributing to primary prevention of cancer. These objectives are achieved through collaborative international studies, which integrate large scale epidemiology studies and high throughput omics methods (e.g. lifestyle and environmental exposures questionnaires together with whole genome/exome and RNA sequencing). Our work involves strong collaborations with leading international academic, research and clinical centres. An important aim of the group is to identify new causes of cancer, especially for cancers showing unexplained large geographical variations in incidence. This is done by conducting large multidisciplinary projects that involve biological and epidemiological characterization of cancer patients from all over the world, using the most advanced molecular and statistical approaches. We also have a major focus on early detection of cancer through identifying biomarkers for pre-clinical disease.

A postdoctoral opportunity in **Computational biology** is immediately available within the Group to contribute in one of our **multidisciplinary cancer studies**. These include the recent Cancer Research UK Grand Challenge project 'Mutographs', which aims to identify mutation signatures for 5 different cancers, as well as large genomic analysis in Head and Neck cancer including early detection biomarker studies. Successful candidates should have a strong background in computational biology, bioinformatics, and biostatistics, and should have prior experience manipulating massively parallel sequencing datasets. We will also consider applicants with a background in biology or medicine who have strong quantitative skills (including programming) and a keen interest in pursuing computational projects. The candidates should hold a recent doctoral degree in a relevant field, be self-motivated, very independent, with a willingness to learn new techniques, as well as a good command of English.

The postdoctoral opportunity is initially for one year with the expectation of renewal and is for candidates who have completed a Ph.D. or equivalent level.

The IARC stipend is currently € 2,820 per month Net. The cost of travel for the Postdoctoral Scientist, and in certain circumstances for dependents, will be met, a dependent's allowance paid, and health insurance covered. For more information about postdoctoral stays at IARC, please read the Postdoctoral charter [here](#). Applications from women and from nationals from low and middle income countries are particularly encouraged. IARC welcomes around 40 postdoctoral scientists, at any one time, distributed across its sixteen research groups. Postdoctoral scientists at IARC have access to a wide spectrum of scientific disciplines and to a unique network of collaborators across the world.

Applicants should send a CV, including list of publications and a description of previous research experience, as well as a motivation letter and the names and addresses of two academic referees, by email to:

Email: gep@iarc.fr (*please mention in the title of your email "Postdoctoral opportunity – Multidisciplinary cancer - IARC"*)

To the attention of: Dr Sandra Perdomo/ Dr Paul Brennan
Genetic Section – Genetic Epidemiology Group
International Agency for Research on Cancer
Tel: +33 4 72 73 85 33 Fax: +33 4 72 73 83 42