



Postdoctoral Opportunity
STUDYING THE MOLECULAR EPIDEMIOLOGY AND PREVENTION OF INFECTION-RELATED CANCER

The Early Detection, Prevention and Infection (EPR) Branch at IARC investigates cancer prevention by evaluating the potential impact of interventions. Infection-related cancers are a major theme, given that carcinogenic infections are particularly amenable to prevention with molecular tools (e.g. vaccines, diagnostics, and targeted therapies), and because burden is disproportionately high in low- and middle-income countries (LMICs). EPR studies combine molecular epidemiology and statistical techniques, in collaboration with academic and clinical centres around the world. Some current topics/studies of interest include **(i) evaluation of biomarkers for anal cancer screening in high-risk groups**, **ii) Liquid biopsies (blood-based biomarkers) for early detection of HPV-related cancer**, **(iii) *H. pylori* as a target for gastric cancer prevention**, and **(iv) understanding the burden of cancer worldwide attributable to different infectious agents**.

Postdoctoral opportunities are available within EPR to contribute to the above topics. The successful candidate(s) will be supervised by Dr Gary Clifford (Deputy Head of the EPR branch), Dr Jin Young Park (Scientist) or other relevant EPR Scientists. They will conduct analyses focusing on interpretation of epidemiological data together with a multidisciplinary team of international collaborators.

Desired selection criteria include:

- A recent PhD (i.e. within the last 5 years) in relevant area such as molecular epidemiology or infectious disease.
- Strong background in the analysis of biological data, epidemiology, and/or biostatistics.
- Good communication skills, with the desire to work 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 enthusiasm to infection-related cancer epidemiology research.
- Prior experience manipulating epidemiological data using advanced statistical methods.
- Strong background in data analysis and statistical languages such as R.

These postdoctoral opportunities are initially for one year with the expectation of renewal. The IARC stipend is currently €2,950 per month (net of tax). The cost of travel for the postdoctoral scientist, and in certain circumstances for dependants, will be met. Dependence and health insurance allowances will be paid, if applicable. Lyon offers an exceptional quality of life, and IARC welcomes around 60 postdoctoral scientists at any one time.

The postdoctoral scientist will have opportunities to interact and collaborate with colleagues across IARC and its network of collaborators. For more information about postdoctoral stays at IARC, please read the [Postdoctoral charter](#).

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: cliffordg@iarc.who.int (**please, mention in the title of your email “Postdoctoral opportunity – EPR Infections IARC”**).

Deadline for applications: **31 May 2024**