

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 and secondary prevention of cancer. GEP coordinates the **Lung Cancer Cohort Consortium**, which aims to develop and validate a customized panel of circulating proteins for early detection of lung cancer. As part of this effort, we have assembled a database including over 2 million individuals and over 60,000 lung cancer cases from 24 prospective cohort studies in North America, Asia, Europe, and Australia.

We plan to leverage this database for multiple studies involving lung cancer risk prediction and modelling. These are motivated by the current landscape of lung cancer screening. While risk models can efficiently identify the target population for screening, model performance varies across populations and countries. Therefore, we plan to carry out projects including (1) validation studies of lung cancer risk models; (2) developing new models; (3) integrating biomarkers into risk prediction; and (4) modelling the potential benefits, harms, and cost-effectiveness of lung cancer screening in France. These studies are supported by funding from the US National Cancer Institute, the French National Cancer Institute, and the Lung Cancer Research Foundation.

Therefore, a postdoctoral opportunity in **lung cancer risk prediction** is available under the supervision of Dr. Hilary Robbins. While the postdoctoral scientist will be expected to contribute to some of the projects listed above, there may be opportunities to carry out studies in other areas well. Candidates should have a strong background in epidemiology and biostatistics, including experience analysing longitudinal data. Candidates should hold a doctoral degree in a relevant field, be self-motivated and independent, and have a good command of spoken and written English. Experience in cancer risk prediction, cost-effectiveness analysis, or cancer screening is an asset.

The starting date can be as late as July 2021, but earlier is preferred. The postdoctoral opportunity is initially for one year with the expectation of renewal. 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, a motivation letter, and the names and addresses of two academic references, by email to gep@iarc.fr. **Please mention in the title of your email "Postdoctoral opportunity – lung cancer risk prediction."** Applications will be accepted until December 31 at the latest, but we recommend applying immediately as the position may be filled before that date.