

Computational Postdoctoral Opportunity on Cancer Genomics, Transcriptomics, and Epigenomics

The International Agency for Research on Cancer (IARC) is the specialized cancer Agency of the World Health Organization (<http://www.iarc.fr/>). The objective of the IARC is to promote international collaboration in cancer research. The Agency is inter-disciplinary, bringing together skills in epidemiology, laboratory sciences, and biostatistics to identify the causes of cancer so that preventive measures may be adopted and the burden of disease and associated suffering reduced.

The Genetic Cancer Susceptibility group (GCS) undertakes genetic and genomics research to identify cancer-related genes and explore their mechanisms of action. The selected candidate will work closely with Dr Lynnette Fernandez-Cuesta and Dr Matthieu Foll (both GCS staff scientists) on the MESOMICS (molecular characterization of malignant pleural mesothelioma) and lungNENomics (unveiling the molecular pathways underlying the development of lung neuroendocrine neoplasms) projects. These projects are both funded by the French INCa and LNCC. These projects rely on strong biobanks (French MESOBANK and lungNEN network) providing good quality samples with detailed clinic-epidemiological data. The successful candidate will lead the analysis of multiple omics data (WGS, RNA-seq, 850k EPIC methylation arrays) to characterize these rare diseases using state of the art computational methods and interact with experts with different backgrounds such as computational biologists, geneticists, biologists, pathologists, and clinicians.

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 ambitious, self-motivated, very independent, with excellent English skills, and have a track record of productivity.

The postdoctoral opportunity is initially for one year with the expectation of renewal (for up to 3 years). The IARC stipend is currently €2,820 per month. The cost of travel for the Postdoctoral Scientist, and in certain circumstances for dependants, will be met. A dependant's allowance is paid, and health insurance covered. IARC welcomes around 40 postdoctoral scientists, 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. For more information about postdoctoral stays at IARC, please read the Postdoctoral charter [here](#).

Applicants should send a CV, including list of publications and a description of previous research experience, as well as the names and contact details of three academic referees, by email to Dr Lynnette Fernandez-Cuesta (fernandezcuestal@iarc.fr) and Dr Matthieu Foll (follm@iarc.fr).