

Postdoctoral Opportunity in Cancer Metabolomics

Nutrition and Metabolism Branch

A postdoctoral opportunity is available in the Branch of Nutrition and Metabolism within a leading group in the application of metabolomics to large-scale epidemiological studies on cancer. The postdoctoral scientist will contribute to projects that aim at understanding the metabolic changes associated with cancer risk factors and survival through metabolomics analysis of blood and urine samples from large observational studies. The main tasks include quality control and preprocessing of untargeted LC-MS data, identification of the small molecule metabolites of interest, and overall management of the metabolomics analyses within a study. Depending on the background and interests of the candidate, the activities can also include development of targeted LC-MS assays and/or further analysis of the metabolomics data. This is an excellent opportunity for a postdoctoral researcher with a laboratory background to contribute to the global fight against cancer.

The successful candidate will have a solid background in chemistry and extensive experience in LC-MS metabolomics and metabolite identification. Hands-on experience with LC-MS analysis of biological samples is desirable. Familiarity with either Thermo or Agilent software tools for LC-MS data acquisition and analysis will be an asset. The candidate should be motivated to contribute to cancer prevention and human health, and willing to collaborate within multidisciplinary teams. A good command of spoken and written English is essential.

The activities will be undertaken at IARC headquarters in Lyon, France, within an international team of staff and other early career visiting scientists with backgrounds in chemistry, epidemiology, and bioinformatics. The team is collaborating with several prominent cancer research institutes globally and has its own state-of-the-art mass spectrometry laboratory.

This postdoctoral opportunity is initially for one year with possibility of renewal for one further year, and is suitable for candidates who have completed a PhD with appropriate training. The IARC postdoctoral stipend is currently €2,820 per month. The cost of travel, and in certain circumstances for dependants, will be met. Dependence and health insurance allowances will be paid, if applicable. Applications from nationals from low and middle income countries are particularly encouraged. Postdoctoral scientists at IARC have access to a wide spectrum of scientific disciplines and to a unique network of collaborators across the world. IARC welcomes approximately 40 postdoctoral scientists, at any one time, distributed across its research branches. For more information about postdoctoral stays at IARC, please read the Postdoctoral charter [here](#).

Interested candidates may contact Dr Pekka Keski-Rahkonen (keskip@iarc.fr) with informal inquiries.

Applicants should send a letter of motivation, names of two references, and CV including a list of publications and a description of previous research experience, as soon as possible, and before 31 May 2021

to: Dr P Keski-Rahkonen
Email: keskip@iarc.fr

Closing date: 31 May 2021