

Postdoctoral Opportunity

MASS SPECTROMETRY METABOLOMICS FOR BIOMARKER DISCOVERY IN CANCER EPIDEMIOLOGICAL STUDIES

The main research objectives of the Biomarkers Group are to develop new approaches to identify, validate and implement biomarkers, in order to better understand the relationship of nutrition and other environmental and lifestyle factors with carcinogenesis. Metabolomic approaches based on mass spectrometry methods are developed to discover new biomarkers of food consumption and exposure to environmental risk factors including food contaminants in blood and urine samples. Specific and highly sensitive methods based on mass spectrometry are developed to estimate these biomarkers in large epidemiological studies.

A postdoctoral opportunity is immediately available within the Group to apply metabolomic methodologies based on high performance liquid chromatography and high-resolution mass spectrometry to the discovery of new biomarkers of exposure related to cancer risk. The postdoctoral fellow will work in an innovative, well-equipped and scientifically stimulating environment. The research proposed is part of national and international projects involving leading research groups in the fields of cancer epidemiology and funded by the European Project EurocanPlatform (<http://www.eurocanplatform.eu/>).

Candidates with a relevant background in chemistry or biology, strong experience in the field of metabolomics and a good knowledge of English are encouraged to apply. Candidates should be particularly skilled in analysis of metabolomic data and biological interpretation of measurement results.

This postdoctoral opportunity is initially for one year with possibility of renewal, and is suitable for candidates who have completed a Ph.D., or who have acquired equivalent training. The IARC stipend is currently €2750 per month. The cost of travel for the Fellow, and in certain circumstances for dependants, will be met, a dependant's allowance paid, and health insurance covered.

Interested candidates are invited to contact Dr Augustin Scalbert with informal enquiries (email: scalberta@iarc.fr).

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

Karine Racinoux
Biomarkers Group, Section of Nutrition and Metabolism
International Agency for Research on Cancer
150 Cours Albert-Thomas
69008 Lyon
France
email: racinouxk@iarc.fr
Phone number: +33.472.73.85.45

The deadline for applications is May 15, 2014