



**Vacancy Notice No:** IARC/15/FT539

**Date:** 8 October 2015

**Title:** Scientist

**Application Deadline:** 4 November 2015

**Grade:** P2

**Duty Station:** Lyons, France

**Contract type:** Fixed-term Appointment

**Organization unit:** IARC (IARC)

**Duration of contract:** Two years - Renewable.

Section of Nutrition and Metabolism (NME)/Biomarkers Group (BMA)

## OBJECTIVES OF THE PROGRAMME :

The main research objectives of the BMA Group are to identify, validate and implement biomarkers in order to better understand the role of environmental and lifestyle factors in cancer aetiology. This includes the study of the role of the diet, physical activity, environmental factors and metabolism on cancer risk. These objectives are achieved through the application of metabolomic approaches to large-scale cohort and case-control studies, as well as to intervention studies.

The work includes the implementation of targeted and non-targeted Ultra High Performance Liquid Chromatography mass spectrometry (UHPLC-MS) metabolomic analyses, the analysis of the data using multivariate statistics, the interpretation of mass spectra to identify unknown metabolites. The incumbent develops innovative methods for the acquisition and analysis of metabolomic data and contributes to the design and planning of experimental studies.

## Description of duties:

Within BMA's research framework, the Scientist is expected to contribute in the following areas:

- planning, design and conduct of metabolomic studies to investigate the relationship between lifestyle, diet, environment and cancer;
- development of innovative targeted and non-targeted metabolomic methods;
- collection of high-quality metabolomic data and their analysis and interpretation;
- preparation and writing of scientific manuscripts and/or reports;
- communicating results of his/her research in conferences;
- management of the mass spectrometry platform;
- training of PhD students and postdoctoral fellows;
- writing of grants in relevant research area with a view to attracting research funding from competitive sources; and
- conduct other related duties as may be assigned by the Supervisor.

## REQUIRED QUALIFICATIONS

### Education:

Essential: PhD in analytical chemistry or a related subject with good background in human nutrition, metabolism or medicine.

Desirable: Postgraduate training in analytical chemistry applied to clinical or epidemiological studies.

#### Skills:

- Very good knowledge of high and low resolution mass spectrometry analyses of small molecules in complex biological matrices such as human plasma, serum, urine or tissues;
- Good working knowledge of statistical and chemometric methods, and bioinformatic tools for metabolomics;
- Detailed knowledge of laboratory safety
- Ability to draft reports and familiarity with the preparation of grant applications;
- Proven organization and communication skills.
- High level of accuracy and attention to detail.
- Ability to collaborate effectively to deliver on-time high quality results in a larger team.

Required WHO competencies:

Ability to:

- Produce results
- Moving forward in a changing environment
- Fostering integration and teamwork
- Respecting and promoting individual and cultural differences
- Communicating in a credible and effective way
- Knowing and managing yourself

#### Experience:

Essential: At least two years of relevant experience at the international level in the field of analytical chemistry and metabolomics. Experience of supervising technical personnel. Good publication record in the relevant research area.

Desirable: Experience in cancer, clinical or epidemiological research.

#### Languages:

Excellent knowledge of English. Working knowledge of French would be an asset.

#### Additional Information:

Please note that a list of publications is compulsory. To add this list, please go to your profile under additional documents. Candidates called for interview may be expected to give a seminar.

IARC/WHO offers an attractive compensation package including an annual net salary (subject to mandatory deductions for pension contributions and health insurance), dependency benefits, pension plan, health insurance scheme, and 30 days annual leave. Benefits for internationally recruited staff may include travel and removal expenses on appointment and separation, assignment grant, rental subsidy and home leave.

#### Annual salary: (Net of tax)

EUR 60 382 with slight variations at single rate

EUR 64 376 with slight variations with primary dependants

Post Adjustment: 43.3 % of the above figure(s). This percentage is to be considered as indicative since variations may occur each month either upwards or downwards due to currency exchange rate fluctuations or inflation.

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This vacancy notice may be used to fill other similar positions at the same grade level.

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Online applications are strongly encouraged to enable WHO to store your profile in a permanent database. Please visit WHO's e-Recruitment website at: [www.who.int/employment](http://www.who.int/employment). The system provides instructions for online application procedures.

All applicants are encouraged to apply online as soon as possible after the vacancy has been posted and well before the deadline stated in the vacancy announcement.

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WHO is committed to workforce diversity.

Any appointment/extension of appointment is subject to WHO Staff Regulations, Staff Rules and Manual. Only candidates under serious consideration will be contacted.

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IARC has a smoke-free environment and does not recruit smokers or users of any form of tobacco.