



Postdoctoral Opportunity NUTRITIONAL AND METABOLISM BRANCH

An objective of the Nutrition and Metabolism Branch is to evaluate the role of lifestyle factors on cancer risk. It was estimated that the burden of cancer could be reduced if individuals adopted healthier lifestyle habits, but epidemiological evidence evaluating changes of lifestyle exposures during adulthood is limited.

A postdoctoral opportunity is available in the Nutritional and Metabolism Branch of the International Agency for Research on Cancer. The selected candidate will contribute to evaluate the role of changing lifestyle behaviors on the risk of cancer and overall mortality. Leveraging longitudinal lifestyle data within three large-scale cohorts, the selected candidate will: (i) quantify the impact of lifestyle changes during adulthood on cancer risk and mortality among cancer patients; (ii) investigate the role of socio-economic status (SES) as determinant of lifestyle changes during adulthood, and its potential synergism with lifestyle habits on cancer risk and mortality among cancer patients; (iii) explore the causal role of lifestyle habits on cancer risk and mortality using Mendelian Randomization (MR) analysis.

The candidate is expected to have a solid background in applied statistics and quantitative epidemiological methods, particularly in survival analysis. Experience with competing risks analysis, time varying covariates and flexible parametric models will be an asset. Knowledge of techniques for univariate and multivariable MR analysis would be also desirable. Proficiency in English (oral and written) is essential, as well as scientific writing skills.

The postdoctoral scientist will work in an innovative and scientifically stimulating environment and will have opportunities to interact and collaborate with colleagues from IARC and its networks. The Nutrition and Metabolism Branch plays a leading role in the European Prospective Investigation into Cancer and Nutrition (EPIC: <http://epic.iarc.fr>), a large on-going prospective cohort of over half-million study subjects from 10 European countries with a wide spectrum of molecular and lifestyle data. The selected candidate will also interact closely with the teams of two other French cohorts, the NutriNet Santé coordinated by Dr Mathilde Touvier and the GAZEL study coordinated by Dr Marcel Goldberg.

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 in statistics and epidemiology. The IARC postdoctoral stipend is currently €2,820 per month. The cost of travel, and in certain circumstances for dependents, will be met. Dependence and health insurance allowances will be paid, if applicable. Applications from women and 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 around 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 are invited to contact Drs Pietro Ferrari (ferrarip@iarc.fr) and Vivian Viallon (Viallonv@iarc.fr) for informal enquiries. 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:

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Closing date: 31 May 2021