

**JOB VACANCY:****Researcher in the field of targeted and untargeted metabolomics, analysis of biofluids, applied to human nutrition projects****N. REQUIRED:** 2**LOCATION:** San Michele all'Adige, Trento, (Italy)**VALID TILL:** 15th December 2019**DESCRIPTION:**

The work will aim mainly to conduct research in the field of mass spectrometry applied to the study of nutritional biomarkers. It will involve conducting instrumental analysis and data analysis from samples collected during dietary intervention and observational studies. In particular the position will require the capability to develop and apply, with adequate autonomy, methods for the global analysis of the organic metabolites in biofluids, by mass spectrometry (MS-metabolomics). The successful candidate will be expected to develop and apply LC-MS based methods (in particular, LC-HR-MS/MS and triple quadrupole) and GC-MS for the identification and quantification of small molecules in matrices such as plasma, urine and feces. The successful candidate will contribute to data treatment, data analysis and interpretation, and to biomarker identification and validation via MS-experiments and database searches. They will also be responsible of the quality control of the data produced and of the data transfer towards public repositories, in an Open Data context. Knowledge of Bioinformatics and Biostatistics and/or documented experience with High Resolution High Accuracy Hybrid mass spectrometer, and/or Tandem Mass Spectrometer (triple quadrupole) is considered advantageous. Duties will be, within publicly funded international projects and consortia, to perform experiments of untargeted and targeted metabolomics, record data and keep detailed and accurate records, perform the quality control of the data produced, interpret the fragmentation trees and annotate the metabolites, contribute to the improvement of the in-house data pipeline for experiments of metabolomics, data transfer to open repositories selected for the Projects, and to produce regular written reports on the results.

Requirements necessary for participation:

- Master of Science in: Chemical Sciences or in Health and Nutrition Biology or in Nutrition and Metabolism or in Nutrition and Health Sciences (or equivalent);
- PhD in Analytical Chemistry or in Food and Nutrition or in Agricultural Science and Biotechnology or Biomolecular Sciences (or equivalent);
- Knowledge of written and spoken English (minimum level B2), evaluated during the interview

More info about the job and to apply on: <https://www.fmach.it/eng/General-Services/Work-with-us>

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