

Fellowship Reference: Food_PD1

Main research field: Chemistry

Sub-research field: Food and Water Analysis

Job summary:

REQUIMTE offers Post-Doc fellowships to undertake research which will be focused on chemical and biochemical methods applied to analysis of foods, water, and environmental matrices. Candidates should have a PhD in Pharmacy, Biochemistry or related area and a good publication record. It is expected that candidates have expertise on different chromatographic methodologies namely, HPLC-DAD-Fluorescence, GC-MS, and also on atomic absorption, electrophoresis, immunological and enzymatic methods.

Job description:

The work to be undertaken is the development, validation and application of chemical and biochemical methods applied to analysis of foods, water, and environment. We are seeking highly motivated individuals with proven experience (at a PhD level) in these areas and that can contribute to enhance and complement our research interests.

Candidates should have expertise on different chromatographic methodologies namely, HPLC-DAD-Fluorescence, GC-MS, and also on atomic absorption, electrophoresis, immunological and enzymatic methods applied to food, water and environmental matrices.

Fellowship Reference: Food_PD2

Main research field: Chemistry

Sub-research field: Analysis

Job summary:

REQUIMTE offers Post-Doc fellowships to undertake research which will be focused on metabolomics and bioactivity assays of natural matrices. Candidates should have a PhD in Pharmacy, Biochemistry or related area and a good publication record.

Job description:

The work to be developed is the development and application of assays for the screening of metabolites and of the biological potential of products of natural origin. We are seeking highly motivated individuals with proven experience (at a PhD level) in any of these areas and that can contribute to enhance and complement our research interests.

Candidates should have expertise on methodologies applied in the characterization of metabolic profiles, such as HPLC-MS, HPLC-DAD, GC-MS, NMR and MS, and on techniques for compounds isolation and structural elucidation. Also expertise on biological assays, involving cellular and cell free systems, as well as in vivo models, for evaluation of antioxidant, anti-carcinogenic and anti-diabetic potential and cholinesterases and angiotensin-converting-enzyme inhibitory capacity is desired.

Fellowship Reference: Food_PD3

Main research field: Chemistry

Sub-research field: Analysis

Job summary:

REQUIMTE offers a Post-Doc fellowship to undertake research which will be focused on the area of food quality. The main areas to be considered are: extraction of volatile and semi-volatile compounds in food matrices; electroanalytical analysis, mainly voltammetric analysis, of biological relevant compounds present in foods. Several chromatographic techniques will also be used, in special HPLC-UV, HPLC-FLD, LC-ESI-MS/MS and GC-MS. Applicants should hold a PhD degree in the area of expertise and a good publication record.

Job description:

The work to be developed implies the analysis of biological relevant compounds in foods, including extraction and electrochemical analysis. Several chromatographic techniques will also be used, in special HPLC-UV, HPLC-FLD, LC-ESI-MS/MS and GC-MS, to confirm and complete the results obtained by the electrochemical analysis. We are seeking highly motivated individuals with proven experience (at a PhD level) in any of these areas and that can contribute to enhance and complement our research interests.

The candidate must have experience as researcher in electroanalysis and chromatographic analysis of biological compounds.