



FUNDACIÓN
CENTRO DE EXCELENCIA
EN INVESTIGACIÓN DE
MEDICAMENTOS INNOVADORES
EN ANDALUCÍA

Granada, January 29, 2020

Postdoctoral Research Fellow in Microbial Metabolomics and Natural Products Chemistry

Position Description

A 2 years position is available for an independent and highly motivated individual to work as a **Postdoctoral Research Fellow in the Department of Chemistry** at Fundación MEDINA.

This post is associated to the Research Grant "New approach for the discovery of microbial compounds inducing the biosynthesis of novel antibiotics in actinomycetes" (*Nueva aproximación para el descubrimiento de compuestos microbianos que induzcan la biosíntesis de nuevos antibióticos en actinomicetos*) from the 'Consejería de Conocimiento, Investigación y Universidad de la Junta de Andalucía'. The successful candidate will join a multidisciplinary team working in the field and will be responsible for analytical chemistry, metabolomics/chemometrics and isolation/structure elucidation tasks involved in the project.

Position requirements for candidates:

- a PhD, preferably in Chemistry, Biochemistry, Pharmacy or Biology, with a good publication record related to the field of the project.
- Proven expertise in metabolomics and chemometrics employing multivariate statistical analysis over LC-MS or NMR data. Additional experience on MS/MS-based molecular networking will be considered positively.
- Experience on analytical liquid chromatography hyphenated with low- and high-resolution mass spectrometry. Additional experience on NMR spectroscopy will be considered positively.
- Experience on natural products isolation and structural elucidation by spectroscopic techniques.
- Programming and chemoinformatics skills are desirable.
- Ability to work independently on its own initiative and in a team environment.
- Evidence of independent writing of reports and papers.
- Excellent communication skills in English are expected for effective interaction with our multidisciplinary research team and with collaborators.

Interested applicants should send CV, contacts for personal references, and statement of interest to chemistry.microbes@medinaandalucia.es.

Applications will be considered until the position is filled.

Keywords: Metabolomics, Chemometrics, LC-MS, NMR, Natural Products, Molecular Networking, Structure Elucidation, Actinomycetes, Microbiology.

About Fundación MEDINA

Fundación MEDINA, *Centro de Excelencia en Investigación de Medicamentos Innovadores en Andalucía* (www.medinadiscovery.com) is a non-profit public-private partnership between Merck Sharp and Dohme de España S.A., the Junta de Andalucía and the University of Granada, to discover new compounds and innovative therapies for unmet medical needs. MEDINA is located in the Parque Tecnológico de Ciencias de la Salud in Granada. MEDINA was established from the former MSD Basic Research Centre in Madrid and include its assets, its know-how, and over 50 years of experience in drug discovery from natural products and evaluation of drug candidates.