

A 3 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 part of the EU 7th Framework Programme Consortium PharmaSea - Increasing Value and Flow in the Marine Biodiscovery Pipeline.

The successful candidate will have a PhD in Natural Product Chemistry. You will become part of a multidisciplinary team and be responsible for bioassay-guided compound isolation and applying spectroscopic methods to solve the structures of the bioactive compounds obtained from marine microorganisms. The development of new chemometric and dereplication strategies will also be part of your work. Experience on chromatographic isolation procedures and structural elucidation applying NMR, MS and other techniques is essential.

Criteria of selection:

PhD in natural products chemistry

Experience in isolating natural products from complex mixtures, specially from culture broths of microorganisms

Experience in the development and/or use of dereplication strategies for the early identification of natural products

Knowledge of chromatography and other purification methods, in particular HPLC.

Extensive training in the use of 1D and 2D NMR and MS techniques to solve complex natural product structures

Ability to work independently on its own initiative and in a team environment

Evidence of independent writing of reports and papers

Excellent oral and written communication skills

Applicants should e-mail their CV to Dr. Fernando Reyes, Area Head, Chemistry:
fernando.reyes@medinaandalucia.es