



NOTICE

BASIC INFORMATION

Position available within the research project entitled: “Enlightening the dark: microbial diversity and functionality in sapropels from Romanian salt lakes (EReBuS)”, project number PN-III-P4-ID-PCE-2016-0303, Contract no. 103/2017

Title*: *SCIENTIFIC RESEARCHER*

Offer Description*: *Advanced spectroscopic analysis (MAS-NMR, ¹³C-NMR) of natural biopolymers; analysis and integration of NMR-generated data to investigate structure, composition and interaction of organic matter with minerals in the sediments; modeling of sapropel diagenesis using physical and chemical data provided advanced spectroscopy methods*

Researcher Profiles *:

- | | |
|---|---|
| <input type="checkbox"/> First Stage Researcher (R1) | <input type="checkbox"/> Recognised Researcher (R2) |
| <input checked="" type="checkbox"/> Established Researcher (R3) | <input type="checkbox"/> Leading Researcher (R4) |

Research field *:

Type of Contract*:

Job Status *:

Hours Per Week*: 10

Application Deadline *: 27.10.2017

Envisaged Job Starting Date: 01.12.2017

Is the job funded through a EU Research Framework Programme? *

Is the Job related to staff position within a [Research Infrastructure](#)? (se bifează opțiunea)

How to Apply *:

Internal Application form needed (.pdf files) (se bifează opțiunea, dacă este cazul)

HIRING INFO & WORK LOCATION

Number of positions available*: 1

Company/Institute*: Faculty of Biology and Geology

Department*: Molecular Biology and Biotechnology

REQUIREMENTS

Required Education Level (se completează unul sau mai multe câmpuri, după caz)

Main Research Field*: Physics

Level*: PhD or equivalent

Main Research Field*: Please Select

Level*: Please Select

Skills/Qualifications: Experience in solid-state (MAS) NMR spectroscopy with emphasis on multinuclear correlation spectroscopy; Capable to investigate semi-solids samples under 'magic-angle spinning' (MAS) conditions; experience in MAS NMR spectra simulation by using dedicated software GAMMA, SIMPSON, Dmfit.

Specific Requirements: Study / placement mobility abroad with a minimum duration of 36 months; A minimum of 4 years of experience as team member or main coordinator in research projects since 2008; At least 30 publications in peer-reviewed ISI journals throughout entire career and at least 2 papers (or patents) published as leading author in the last 5 years in the field of Physics or Biophysics; Patents and international prizes in the field are an advantage.

Required Languages (se completează unul sau mai multe câmpuri, după caz)

Language * ENGLISH

Level* Excellent

Language *

Level*

Required Research Experience *(se completează unul sau mai multe câmpuri, după caz)*

Research Field *

Years of Research Experience *

Research Field *

Years of Research Experience *

ADDITIONAL INFO

Website for additional job details: *(câmp opțional)*

Benefits: *(câmp opțional)*

Eligibility criteria: *Only candidates fulfilling the following criteria will be considered: PhD defense before 2008; at least 30 articles in peer-review ISI journals as coauthor or main contributor; at least 2 articles or patents as main author in the last 5 years; at least 36 months of research stage in top laboratories abroad..*

Selection process: *analysis of CV and additional documents proving the required skills and experience. The selected candidates will be invited for interview.*

Additional comments: *Applicants should send their CV and scanned copies of documents proving their research expertise by e-mail to the Project's manager: horia.banciu@ubbcluj.ro*