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## **NOTICE**

## **BASIC INFORMATION**

**Researcher Profiles \*:** 

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, <sup>13</sup>C-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

## Recognised Researcher (R2) First Stage Researcher (R1) Leading Researcher (R4) Established Researcher (R3) Research field Temporary 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? \* Not funded by an EU 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
<b>Department*:</b> Molecular Biology and Biotechnology
REQUIREMENTS

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

Main Research Field\*:

PhD or equivalent

Main Research Field\*:

Please Select

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

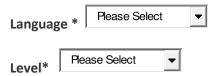
**Specific Requirements**: Study / placement mobility abroad with a minimum duration of 36 months; A minimum of 4 years of experience as team member or main coordinator in research projects since 2008; At least 30 publications in peer-reviewed ISI journals throughout entire career and at least 2 papers (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)



Please Select

Level\*:



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

Research Field *	Physics		▼
Years of Research Experience * More than 10			▼
Research Field *	Please Select		•
Years of Research	h Experience *	Please Select	¥

## **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