NOTICE

BASIC INFORMATION

Position available within the research project entitled: "*Model de colaborare functional intre organizatii publice de cercetare si mediul economic cu scopul acordarii de servicii stiintifice si tehnologice de inalt nivel in domeniul bioeconomiei*", project number **2PCCDI/2018**, code: **PN-III-P1-1.2-PCCDI-2017-0056**, partner 2 in the research project

Title*: Research Assistant

Offer Description*: Full-time position of research assistant within the project **PN-III-P1-1.2-PCCDI-2017-0056** entitled " *Model de colaborare functional intre organizatii publice de cercetare si mediul economic cu scopul acordarii de servicii stiintifice si tehnologice de inalt nivel in domeniul bioeconomiei* ".

Job profile:

- Study of specialized literature, including the latest achievements in the field covered by the research contract

- Raman spectra interpretation and analysis by multivariate methods

- Development of scientific articles for the dissemination of research results

Researcher Profiles *: *(se bifează opțiunea dorită)*

☑ First Stage Researcher (R1)   ☐ Recognised Researcher (R2)

☐ Established Researcher (R3)   ☐ Leading Researcher (R4)

Research field *: Physics

Type of Contract*: Temporary

▪ 01.12.2018 – 01.10.2022 **Job Status ***: Full-time

Hours Per Week*: *40*

Application Deadline *: 16.11.2018, 12:00

Envisaged Job Starting Date: 01.12.2018

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 *: email ▼

☑ **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 Physics, Babeș-Bolyai University*

Department*: *Department for Biomolecular Physics*

REQUIREMENTS

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

Main Research Field*: Physics ▼

Level*: Master Degree or equivalent ▼

Main Research Field*: Physics ▼

Level*: Master Degree or equivalent ▼

Skills/Qualifications: *Raman and surface-enhanced Raman spectroscopy – SERS*. Analysis of Raman and SERS spectra by multivariate statistical methods.

Specific Requirements:

Selection based on:

- evaluation of the candidates application (eliminatory);

- interview;

Other selection conditions:

Minimum grade for each selection condition: 8

Calculation of the final grade: the average of grades

Selection topics:

Raman and surface-enhanced Raman spectroscopy – SERS. Analysis of Raman and SERS spectra by multivariate statistical methods

Bibliography:

1.   B. Schrader, ed. *Infrared and Raman Spectroscopy - Methods and Applications*. 1998, VCH: Weinheim, Germany.

2.   T. Iliescu, *Spectroscopie Optică Moleculară*. 2000, Cluj-Napoca, Romania: Casa Cărții de Știință.

3.   J.M. Hollas, *Modern Spectroscopy*. 2004, Chichester, UK: Wiley.

4.   T. Iliescu, S. Cîntă-Pînzaru, D. Maniu, R. Grecu, S. Aștilean, *Aplicații ale spectroscopiei vibraționale*. 2002, Cluj-Napoca, Romania: Casa Cărții de Știință.

5.   S. Aștilean, *Spectroscopia IR și Raman*. Metode și tehnici moderne de spectroscopie optică. Vol. I. 2002, Cluj-Napoca, Romania: Casa Cărții de Știință.

NOTE! *To be considered for this position the candidate must fulfill UEFISCDI criteria for PCCDI research projects (available on **https://uefiscdi.ro/proiecte-complexe-realizate-in-consortii-cdi-pccdi**).*