UNIVERSITATEA BABEŞ-BOLYAI
BABEŞ-BOLYAI TUDOMÁNYEGYETEM
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NOTICE

BASIC INFORMATION

Position available within the research project entitled: "Emerging molecular technologies based on micro and nano-structured systems with biomedical applications", project number PN-III-P1-1.2-PCCDI-2017-0010 at Babeș-Bolyai University, partner in the research project.

Title*: *RESEARCH ASSISTANT*

Offer Description*: Fabrication, characterization, functionalization and implementation of nanoparticle-based nanoplatforms in biomedical applications

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

Job Status *: Full-time

Hours Per Week*: *40*

Application Deadline *: *27.09.2019*

Envisaged Job Starting Date: *07.10.2019*

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

Contact person*: Prof Simion Astilean

E-mail adress*: simion.astilean@phys.ubbcluj.ro

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

* - Câmpuri obligatorii

HIRING INFO & WORK LOCATION

Number of positions available*: 1

Company/Institute*: Babes-Bolyai University**,** Interdisciplinary Research Institute on Bio-Nano-Sciences, Str Treboniu Laurean Nr 42, Cluj-Napoca, Romania

Department*: Nanobiophotonics and Laser Microspectroscopy Center

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*: Please Select

Level*: Please Select

Skills/Qualifications:

Experienced in the synthesis of nanoparticles of various shapes and sizes, methods of nanofabrication and bio-functionalization;

Ability to work with microscopic and spectroscopic techniques (fluorescence, Raman, SERS, UV-Vis) and other analytical techniques (dynamic light scattering, Zeta potential, etc).

Knowledge and skills in scientific communication in English

Specific Requirements:

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****).*

Only persons registered for the PhD (enrolled in first or second year PhD student) or with PhD in the physical field are eligible

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

Language * ENGLISH

Level* Excellent

Language * Please Select

Level* Please Select

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

Research Field * Physics

Years of Research Experience * 1 - 4

Research Field * Please Select

Years of Research Experience * Please Select

ADDITIONAL INFO

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

Benefits: *(câmp opțional)*

Eligibility criteria: *(câmp opțional)*

Selection process:

1. Analysis of the candidate's file (personal details, education and employment history with supporting documentation, - the absence of any required document leads to the removal of the candidate from the contest;
2. Practical evidence of the experimental knowledge in nanoparticles synthesis and biofunctionalization and spectroscopic&microscopic analysis techniques (UV-Vis, Raman, Fluorescence, IR, DLS) and interpretation of the experimental result;
3. Interview-presentation in Power Point, in English, of the research activity carried out so far and evaluation of the knowledge in the field (Number of papers published on the topic of the research project, impact factor and number of citations/publication will be evaluated);
4. The selection process will take place in 01 October 2019, at Research Institute on Bio-Nano-Sciences, Treboniu Laurean 42, room 113

Additional comments: e-*mail adress*: simion.astilean@phys.ubbcluj.ro*