



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 Babeş-Bolyai University, partner in the research project.

Title*: RESEARCH ASSISTANT

Offer Description*: Fabrication, characterization, functionalization and implementation of plasmon nanoplatforms in biomedical applications

Researcher Profiles *: (se bifează opțiunea dorită)

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

Research field *:

Type of Contract*:

Job Status *:

Hours Per Week*: 40

Application Deadline *: 22.10.2018

Envisaged Job Starting Date: 01.11.2018

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 *:

Contact person*: Prof Simion Astilean

* - Câmpuri obligatorii

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

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

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*:

Level*:

Main Research Field*:

Level*:

Skills/Qualifications:

Experienced in the synthesis of plasmonic 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: Minimum 4 scientific papers published in well-recognized journal in the field of project

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

Language *

Level*

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: *(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 spectroscopicµscopic 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);

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