



## NOTICE

### BASIC INFORMATION

Position available within the research project entitled: **“New Targeted Optical Imaging NanoProbes for Near-Infrared (NIR) Real-Time (RT) Image-Guided Surgery of Ovarian Cancer”**, project number **PN-III-P4-ID-PCCF-2016-0142**

**Title\***: RESEARCH ASSISTANT (Phd student)

**Offer Description\***: Fabrication and characterization of poly-electrolyte microcapsules of different sizes and their encapsulation with specific fluorophores with NIR emission

#### Researcher Profiles \*:

- First Stage Researcher (R1)  Recognised Researcher (R2)  
 Established Researcher (R3)  Leading Researcher (R4)

**Research field \***:

**Type of Contract\***:

**Job Status \***:

**Hours Per Week\***: 40

**Application Deadline \***: 19.11.2018

**Envisaged Job Starting Date**: 01.12.2018

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

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

**How to Apply \***:

**Contact person\***: Prof dr. Simion Astilean

\* - Câmpuri obligatorii

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

Internal Application form needed (.pdf files)

## HIRING INFO & WORK LOCATION

Number of positions available\*: 1

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

Department\*: Nanobiophotonics and Laser Microspectroscopy Center

## REQUIREMENTS

### Required Education Level

Main Research Field\*:

Level\*:

Main Research Field\*:

Level\*:

### Skills/Qualifications:

Skills in the manufacture of polyelectrolytes microcapsules of different sizes for fluorophores loading.

Ability to work with UV-VIS spectrophotometers and with other analytical techniques (dynamic light scattering, Zeta potential).

Knowledge and skills in scientific communication in English

### Specific Requirements:

The theme of the dissertation thesis must be in the field of Molecular Biotechnology  
PhD student in Physics

### Required Languages

Language \*

Level\*

Language \*

Level\*

### Required Research Experience

Research Field \*

Years of Research Experience \*

Research Field \*

Years of Research Experience \*

### ADDITIONAL INFO

**Email for additional job details:** *simion.astilean@phys.ubbcluj.ro*

**Benefits: 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 UV-VIS analysis technique and other analytical techniques (dynamic light scattering, Zeta potential) 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 ;

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