



**INSTITUTUL NATIONAL DE CERCETARE-
DEZVOLTARE PENTRU TEHNOLOGII IZOTOPICE SI
MOLECULARE**

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Job announcement

National Institute for Research and Development for Isotopic and Molecular Technologies Cluj-Napoca organizes a selection contest in order to occupy **4 full time positions of Research Assistant** within the research project **74PCCDI/2018, “Emerging molecular technologies based on micro and nano-structured systems with biomedical applications” acronym - TehnoBioMed**, project code: PN-III-P1-1.2-PCCDI-2017-0010.

Positions' level: research assistant

Positions' type: full time, fixed period (during the period of the project + 2 years)

The employment period: November 2018- August 2022

Job Description:

The chosen candidates will contribute to the development of emerging molecular technologies based on micro and nano-structured systems with biomedical applications.

Responsibilities within the project:

- Continuous renewal of knowledge necessary to perform assigned tasks within the project;
- Sustained training and expertise improvement in the topic of the post;
- To contribute, according to the candidate expertise, to one (or several) research tasks specified in the project: i) Microscopic and spectroscopic characterization of the supramolecular structures using scanning microscopy techniques (AFM, STM) and surface enhanced Raman scattering (SERS) method; ii) Spectroscopic and morphological characterization of the contrast agents; iii) The growth of Cyanobacteria cultures; iv) The extraction and the purification of the phycobiliproteins and phycobilisomes; v) Algorithm design and elaboration of procedures for data acquisition in the optical coherence tomography;
- Contributions in the processing and dissemination of the results assessed within the project.

Job requirements:

The candidate must be a graduate with a bachelor's degree in one of the following physical / chemistry / biology and related fields;

- Experience in the use of laboratory equipment;
- PC operation skills (word, excel, power point) possibly other specialized programs in the field;
- Languages: English (medium - written and spoken).

The application files should include:

- Application form (can be downloaded from the institute's website www.itim-cj.ro/cariere);
- Curriculum vitae both in Romanian and English (EuroPass model);
- Letter of intent;
- Scientific Publication list;
- Copies of study documents (high school graduation certificate, bachelor certificate with transcript of records, Master certificate with transcript of records, PhD certificate);
- Copies after: Birth certificate, ID card (passport), civil status certificate;
- Copy of working contracts/work experience/proof of enrolment in a PhD program.

The selection of the candidates will be based on: their application files (eliminary) and the interview. For the interview, the applicant should prepare a brief description of his or hers research activity.

Applications should be submitted at INCDTIM Cluj-Napoca, Human resources Department before **October 5, 2018**. For supplementary information, call: 0264-584037/191; <http://www.itim-cj.ro/cariera>

Time and place of the interview: 11.10.2018, 10AM, INCDTIM, building A, room A0.13.02.

General Manager,

Dr. Ing. Adrian BOT

