



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*:

Key Duties and Responsibilities:

- *Molecular modeling for organic and bioorganic compounds.*

Essential knowledge, skills and experience:

- **master in chemistry/biochemistry;**

- *PhD student in Chemistry/biochemistry*

- *Good knowledge of the molecular modeling for organic and bioorganic compounds*

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

First Stage Researcher (R1)

Recognised Researcher (R2)

Established Researcher (R3)

Leading Researcher (R4)

Research field *:

Type of Contract*:

Job Status *:

Hours Per Week*: 20

Application Deadline *: 26.08. 2019

Envisaged Job Starting Date: 01.09.2019

* - Câmpuri obligatorii

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. dr. Luminita Silaghi-Dumitrescu)

E-mail adress*: lusi@chem.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*: Faculty of Chemistry and Chemical Engineering

Department*: Chemistry

REQUIREMENTS

[Required Education Level](#) (se completează unul sau mai multe câmpuri, după caz)

Main Research Field*: Chemistry

Level*: Master Degree or equivalent

Main Research Field*: Chemistry

Level*: PhD or equivalent

Skills/Qualifications: Proficient in *molecular modeling for organic and bioorganic compounds*.

Specific Requirements:

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

Language * ROMANIAN

Level* Excellent

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

Email for additional job details: lusi@chem.ubbcluj.ro

Benefits:

Eligibility criteria: *Enrolled in the PhD program in chemistry/biochemistry*

Selection process: assessment of the candidate file; interview; a grade of minimum 7 must be obtained for both the file evaluation and the interview

Additional comments: *(câmp opțional)*

Bibliography

1. Kraatz, H.B., Metzler-Nolte N., Concepts and Models in Bioinorganic Chemistry, Wiley-VCH, Weinheim, 2006;
2. C.J.Cramer, Essentials of Computational Chemistry, Theories and Models, Wiley, 2004;
3. Silaghi-Dumitrescu R., Metalele in Sistemele Vii, Presa Universitara Clujeana, Cluj-Napoca 2011;
4. Mot, A. C. et al. Antioxidant activity evaluation by physiologically relevant assays based on haemoglobin peroxidase activity and cytochrome c-induced oxidation of liposomes. Natural Product Research 2016, 1315-9;
5. Benedec, D. et al. Contrast between water and ethanolbased antioxidant assays. Aspen (Populus tremula) and black poplar (Populus nigra) extracts as a case study. Journal of Food Quality, 2014, 37(4), 259-267.