



NOTICE

BASIC INFORMATION

Position available within the research project entitled: "MIO-enzyme toolbox for the synthesis of non-natural amino acids", project number IZ11Z0_166543

Title*: *Scientific research assistant*

Offer Description*: *Scientific work in the field of biocatalysis, protein engineering*

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 h/week*

Application Deadline *: *21.09.2020*

Envisaged Job Starting Date: *01.10.2020*

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*: Dr. Laszlo-Csaba Bencze

E-mail adress*: cslbencze@chem.ubbcluj.ro

* - Câmpuri obligatorii

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/Biocatalysis and Biotransformation Research Center

Department*: Biocatalysis and Biotransformation Research Center

REQUIREMENTS

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

Main Research Field*: Chemistry

Level*: Master Degree or equivalent

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Level*: Master Degree or equivalent

Skills/Qualifications: experiences and skills in cloning techniques, PCR, site-directed mutagenesis, expression, isolation and structural analysis of recombinant proteins/enzymes, enzyme kinetic measurements and rational design of the proteins are suitable for the position.

Specific Requirements: at least two scientific publications sustaining the expertise in biocatalysis/enzymology

Required Languages english and romanian or hungarian

Language * ENGLISH

Level* Good

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: *Ph.D students performing their doctoral studies in the field of Chemistry or Biology*

Selection process: step 1. eligibility test (eliminary); step 2. interview; step 3. selection process based on practical test from the following topics: 1. iterative saturation mutagenesis 2. monitoring the phenylalanine ammonia-lyase mediated enzymatic reactions.

Minimal note of each selection step: 8 (at scale 1-10). The candidates are hierarchized based on the final note, which is calculated as the average of notes obtained at selection steps 1,2,3.

Additional comments:

References for the topics of the practical test:

1. E.Z.A. Nagy, S.D. Tork, P.A. Lang, A. Filip, F.D. Irimie, L. Poppe, M.I. Toşa, C.J. Schofield, J. Brem, C. Paizs, L.C. Bencze, *ACS Catalysis* (2019) 9(9): 8825.
2. R.B. Tomoiagă, S.D. Tork, I. Horváth, A. Filip, L.C. Nagy, L.C. Bencze, *Biomolecules* (2020) 10(6): 838.