



JOB VACANCY ANNOUNCEMENT

Babeş-Bolyai University seeks to fill the position of **scientific research assistant (IRP 13)**, vacant within the project “**Digital Finance - Reaching New Frontiers (DIGITAL)**”, project number **101119635** through the **Horizon Europe Marie Skłodowska-Curie Actions for Doctoral Networks (MSCA DN)**, on a fixed-term contract of 36 months, full-time.

Required qualifications for applicants:

Eligibility criteria:

- **Master’s degree** (120 ECTS) in Business, Economics, Engineering, Information Technology, Computational Science or related fields and very good programming skills.
- Must **not have resided or carried out their main activity (work, studies, etc.) in Romania, for more than 12 months** in the 3 years immediately preceding the date of recruitment;
- Must have strong written and oral communication skills in **English**.
- Should be **in the first four years of their research careers** at the time of recruitment and have not been awarded a doctoral degree so far.
- Must be willing to spend time in the partner institutions during the **secondments**.

The ideal candidate should have:

Skills/Qualifications:

- Master’s degree in Business, Economics, Engineering, Information Technology, Computational Science or related fields;
- A strong passion and outstanding skills in data science and experience working with programming languages and statistical software such as Python, R, Stata or SAS;
- Knowledge on quantitative modelling of financial markets or in economics, econometric techniques, machine learning or quantitative empirical research methods;
- The ability to work on real-world problems in an interdisciplinary and internationally oriented environment;
- Good communication skills and an excellent command of English.

Specific Requirements:

- Good programming skills. Experience with machine learning libraries (e.g., TensorFlow, PyTorch, Jax) is helpful.
- A sound econometrics background.
- Good understanding of text mining/ NLP issues.
- Good Finance knowledge.

Application file

In order to apply for the vacancy recruitment process, the applicants will submit to **mirabela.istrate@ubbcluj.ro**, until **23.09.2024 at 16:00 (EEST – Romania time)** the following documents (with the subject: DIGITAL – Application IRP 13):

1. a full CV (with the relevant details for checking the eligibility criteria)
2. a copy of your passport/ID
3. a cover letter (emphasizing your specific interest, qualifications, and motivations to apply for this position)
4. a research project proposal for the IRP topic.
5. an academic course file with the bachelor's and master's degrees scanned
6. a proof of language proficiency in English (optional – will be tested during interview phase)
7. a self-declaration that the candidate has not resided/worked in Romania for 12 months during the last 3 years

Application files selection

Applicants' files will be reviewed for eligibility within one working day from the end of the submission period in order to determine their suitability for the vacant position according to the specific criteria and requirements outlined in the published vacancy notice.

The results of the application files selection will be posted on **24.09.2024**, by indicating the registration number of the application file.

Appeals against the results of the application files selection can be submitted within one working day from the date of posting the results, to **Human Resources Department** (Str. I.C. Bratianu nr.14) or will email to **mirabela.istrate@ubbcluj.ro**.

Appeals will be answered within one working day after the submission deadline.

Only shortlisted candidates following the reviewing of application files will participate in the selection tests.

Recruitment proceedings

1. Application files screening according to the following criteria:

- scientific/professional activity of the candidate
- experience in the required field
- quality of scientific collaborations, depending on the candidate's field of expertise
- candidate participation in research-development projects

2. Quality of the Research Project Proposal for IRP 13

3. Interview. Candidates will be evaluated according to the eligibility criteria and the following criteria for the scientific evaluation:

- Educational track records
- Scientific quality of the CV
- Draft project
- Expected individual impact and benefit to the researcher and to the project
- Previous experiences in the subject areas relevant to the DIGITAL research programme

The interviews will take place in **26.09.2024, online**. The short-listed candidates will be informed in advance about the details (date, time and link of the interview).

The final score of the recruitment and selection process is calculated as the arithmetic mean of the scores obtained in the selection tests. The candidate who obtained the highest final score will be admitted, but applicants must score a minimum of 7 points in each competition test.

In case of equal final scores, ranking is performed by considering the interview score as a tiebreaker.

Results and appeals

The results of the recruitment and selection process will be published on the official [website of the institution](#) on **27.09.2024**, by indicating the registration number of the application file.

Candidates who are not satisfied with the outcome of their assessment will have the right to appeal within maximum one working day from the publishing of the results.

Appeals will be submitted to **Human Resources Department** (Str. I.C. Bratianu nr.14) or will email to mirabela.istrate@ubbcluj.ro. Appeals will be answered within one working day after the submission deadline.

NOTE: In order to be hired, the selected candidate has the obligation:

- to follow the procedure regarding the recognition / equivalence of MEC and CNRED books of the diplomas of studies for EU and non-EU candidates are subject to the process of ([Documents Required when Registering for the Admission Contest | Institute for doctoral studies \(ubbcluj.ro\)](#))
- to obtain the quality of PhD student at Babeş-Bolyai University

Additional information can be obtained at <https://www.digital-finance-msca.com/> or codruta.mare@econ.ubbcluj.ro with CC to jorg.osterrieder@utwente.nl

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