



NOTICE

BASIC INFORMATION

Position available within the research project entitled: **“Integrated dating approach for terrestrial records of past climate using trapped charge methods (INTERTRAP)”**, project number **ERC-StG 678106**

Title*: *Post-doctoral researcher*

Offer Description*: We are looking for a reliable, passionate and dedicated postdoctoral candidate to join the Luminescence and Electron Spin Resonance Dating Group at Babeş-Bolyai University, Cluj-Napoca, Romania for a period of two years with the possibility for extension.

The candidate will be involved in a ground breaking ERC (European Research Council) project that aims at developing innovative trapped charge dating measurement protocols based on quartz that will yield reliable ages for and beyond the last interglacial glacial cycle. The fellow will perform methodological studies integrating electron spin resonance investigations with luminescence measurements (OSL-optically stimulated luminescence and TL-thermoluminescence).

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

- | | |
|--|--|
| <input type="checkbox"/> First Stage Researcher (R1) | <input checked="" 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*: *(se va trece norma de lucru aferentă poziției vacante)* **40**

Application Deadline *: *(se va completa data limită pentru depunerea dosarelor de concurs)* **March 10th, 2020**

Envisaged Job Starting Date: *(se va trece data de începere a activității – opțional)* **April 1st, 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 *:

Internal Application form needed (.pdf files) (se bifează opțiunea, dacă este cazul)

HIRING INFO & WORK LOCATION

Number of positions available*: 1

Company/Institute*: (se completează datele facultății/unității de cercetare în cadrul căruia se va face angajarea) **Babeș-Bolyai University, Interdisciplinary Research Institute on Bio-Nano Science**

Department*: se completează denumirea departamentului în cadrul căruia se va face angajarea)

Interdisciplinary Research Institute on Bio-Nano Science/ Environmental Radioactivity and Nuclear Dating Centre/ INTERTRAP PROJECT

REQUIREMENTS

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

Main Research Field*:

Level*:

Main Research Field*:

Level*:

Main Research Field*:

Level*:

Main Research Field*:

Level*:

Skills/Qualifications: *The candidate should have a PhD degree in physics. Candidates with an equivalent degree in Chemistry, Geology or Environmental Sciences are considered if they have a strong physical background or are able to demonstrate experience in the research field. The fellow needs to have good experimental skills. Modeling and simulation skills and/ or previous experience in trapped charge dating or solid state dosimetry are not mandatory but are a plus.*

Specific Requirements: The candidate should be a curious, well organised and self-driven young researcher with a strong background in physics, excellent experimental skills but also interest and

capacity of surveying scientific literature. Excellent communication skills in spoken and written English are mandatory. The candidate should have a high level of self-reliance as well as ability to work in a research team. Desire to tackle complex interdisciplinary scientific problems is highly appreciated.

Required Languages *(se completează unul sau mai multe câmpuri, după caz)*

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 *

Research Field *

Years of Research Experience *

Research Field *

Years of Research Experience *

ADDITIONAL INFO

Website for additional job details: *(câmp opțional)*

Benefits: The candidate will be involved in a ground breaking ERC (European Research Council) project. The candidate will have access to modern research infrastructure needed for the implementation of the project (brand new Bruker EMX^{plus}- EPR spectrometers (X and Q band), 3 Risø TL/OSL readers (model TL/OSL-DA-20, out of which two have single grain attachments, high resolution gamma spectrometry, alpha spectrometry, access to scanning electron microscopy etc.). Our group has strong connections to leading research groups in the field. We offer a very pleasant working environment in a very young research team and competitive salaries and benefits. For further information please contact PI Alida Timar-Gabor (alida.timar@ubbcluj.ro)

Eligibility criteria: *(câmp opțional)*

Selection process: The candidates must send: a CV containing the list of relevant publications, motivation letter, a copy of the PdD diploma and any other pertinent copies of a diplomas, certificates, etc., letters of recommendation (optional).

The selection process will consist of the examination of candidate's CV, motivation letter and list of publications followed by interview.

Additional comments: *(câmp opțional)*