



**The ArchaeoScience#RO Platform  
The Research Institute of the  
University of Bucharest (ICUB)  
University of Bucharest, Romania**

***Postdoc - Stable Isotope  
Analyses***

The ArchaeoScience#RO Platform of the Research Institute of the University of Bucharest (ICUB) is pleased to announce the opportunity to apply for a one-year Postdoctoral fellowship in the Stable Isotope Laboratory (SIL) located in the Molecular Archaeology Research, Development, Innovation and Educational Training Unit of the Research Platform in Biology and Systemic Ecology from the University of Bucharest, Romania.

**Requirements and Duties:**

- The position will be available beginning either December 1st, 2019 or January 1st, 2020, and the successful applicant will be expected to:
- Demonstrate previous experience in the field of stable isotopes applied to archaeological research, including laboratory experience;
- Conduct research on a tightly focused isotope project ( $\delta^{13}\text{C}$ ,  $\delta^{15}\text{N}$ ,  $\delta^{18}\text{O}$ ) of their choice that addresses questions of archaeological significance, and can be completed within the duration of the fellowship.
- The candidate is free to elaborate their own research project; however, considering the one year duration of the scholarship and the need for a consistent sample selection, the ArchaeoScience#RO Platform suggests three attractive topics, which would provide the potential candidates with the necessary evidence to tackle a challenging topic:
  1. The study of a large assemblage of human remains from Neolithic and Chalcolithic cemeteries ( $n=5$ , more than 300 individuals) in order to identify the dietary profiles of these past human communities. This work would have to be conducted in collaboration with local anthropologists, and the access to sample is guaranteed.
  2. Another direction of research could valorize the fish bone assemblages available from five Neolithic and Chalcolithic settlements in order to identify the fishing places (in ponds and marshes rather than fast running water) or other related topics (e.g. fishing season). This work would have to be conducted in collaboration with local ichthyoarchaeologists, and the access to sample is guaranteed.
  3. Paleoenvironmental variables and climate changes during the Holocene based on cores made in different areas of Romania in order to connect human activities and life style with the environment and climatic conditions prevalent during Prehistory, Antiquity, or the Middle Ages.
- If a candidate is interested in one of these topics, please contact us at [archaeoscience@icub.unibuc.ro](mailto:archaeoscience@icub.unibuc.ro) before applying to this fellowship.
- However, candidates may also opt for other topics in the field of stable isotopes.
- Assist in the management of the Stable Isotope Laboratory (SIL), and helping to supervise sample preparation by master's students and student assistants;
- Processing and interpreting the data, and preparing the results for publication.

**Fellowship terms:**

- Positions available: 2.
- Scientists and scholars of all nationalities and disciplines may apply online to the ICUB fellowship at any time.

- Fellows will be full members of the institute during their stay in Bucharest, will be able to use the institute's infrastructures, and will take part in the academic life of ICUB.
- Fellows will benefit from logistic support in case they aim to apply for other grants and research programs.
- Fellows are expected to organize scientific events (workshops, conferences, symposia, etc.). ICUB will provide technical and logistic support for the organization.

**Funding:**

- A limited amount of funding (9.345,00 Euro/44.400,00 Lei) is available for this one-year fellowship as a monthly salary of 2.500,00 lei (560,00 Euro, exempt from taxes).
- Awards may include travel expenses for fellows from abroad (the equivalent of one round trip flight in economy class) and a living allowance (up to 1200 lei/month).
- Considering that the living costs in Romania are lower than those in Western/Central Europe, the proposed amount will cover the necessary living expenses.

**Application procedures:**

- Scientists and scholars of all nationalities and disciplines may apply online to this fellowship.
- Interested candidates must submit their application for the fellowship program offered by ICUB online at: <https://icub.unibuc.ro/icub-fellowship-for-young-researchers/>
- The application deadline is fixed at **October 15th, 2019 the latest**.
- Individual applications will then enter an evaluation process.
- For all details regarding this fellowship, see the [information package](#).
- Potential applicants should feel free to email us for any question - [archaeoscience@icub.unibuc.ro](mailto:archaeoscience@icub.unibuc.ro) (Dr. Catalin Lazar)

**About the employer and the infrastructure:**

- The ArchaeoScience#RO Platform is a new research facility of the Research Institute of the University of Bucharest (ICUB) Romania, and the Stable Isotope Laboratory (SIL) will be open in October 2019. It hosts a new stable isotopic analyzer type mass spectrometer Horizon 2 from NU Instruments. This next generation instrument possesses unique features for both Dual Inlet and Continuous Flow Analysis, interfacing with a wide range of sample preparation peripherals. The collector array uses the patented Variable Dispersion Zoom Optics to monitor masses from 2 to 100 with exact coincidence.
- The SIL is equipped to complete all sample processing tasks (e.g., cleaning, sub-sampling, grinding, chemical digestion, freeze-drying, sample weighing) prior to loading the samples in the mass spectrometer.
- The lab hosts a dynamic group of senior and junior researchers, master and doctoral students that investigating various topics.

**Information package:**

<https://icub.unibuc.ro/wp-content/uploads/2018/12/ICUB-Fellowship-for-Young-Researchers.pdf>