



Patras, 26.02.2024

Ref. No.: 133871

### Invitation for Expression of Interest:

#### Research Assignment “Data mining and analysis of metabolic profiling measurements”

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE- HT) is seeking applicants for research work in the context of the research project “Precision Manufacturing of Microengineered Complex Joint Implants (JOINTPROMISE)” - Grant Agreement number: 874837, which is implemented under the H2020 Research and Innovation Action.

#### Job Description

To conduct research under a work or a fixed-term employment contract in the framework of bioinformatics investigation on the protein interaction pathways of bone formation in the context of available metabolomic and proteomic data. The job will also involve participation in meetings and preparation of reports to the FORTH team PI and the Coordinator.

**Location:** FORTH/ICE-HT, Patras, Greece

**Duration:** up to 9 months, with the potential of renewal or extension according to the needs of the project

**Salary:** Up to approximately 1.650.00 €/month (total cost of the employer, including social security and taxes), depending on qualifications

**Envisaged starting date:** 1/4/2024

#### Requirements and Qualifications

The applicant should hold a BSc in Informatics or Computer Engineering or Computer Science and a MSc in Data Science or Data Computing or related field. Experience in data mining and clustering methods is required, their application in biological systems will be favored. Knowledge of Python language is required and experience with development of web-based databases will be favored. Candidates must have good knowledge of the Greek and English (Level B2) language.

The evaluation of the candidacies will be based on the following criteria and qualifications:

Qualifications	Weight	Evaluation criteria & Points
BSc GPA	30	The grade of the BSc X 3 points
Experience in data mining and clustering methods	25	Years of relevant work experience (5 points per year up to a maximum of 4 years + 5 points bonus if involved biological applications)
Relevance of the MSc thesis with Data Science/Data Computing	20	Master's thesis relevance (Strong relevance: 20 points, medium relevance, 15, weak relevance: 10 points)



Knowledge of the English language	15	C1=7.5 points, C2=15 points
Experience with development of web-based databases	10	Demonstrated through number of relevant publications in international peer-reviewed scientific journals and announcements in conferences and symposia (5 points per publication, 2.5 points per announcement, with a maximum of 10 points)
<b>TOTAL</b>	<b>100</b>	

### Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 7/3/2024, 12.00h., by email to Kleanthi Zacharopoulou: [kleanthi@iceht.forth.gr](mailto:kleanthi@iceht.forth.gr), cc: [mklapa@iceht.forth.gr](mailto:mklapa@iceht.forth.gr).

In order to be considered, the application must include:

- Application letter
- CV with clear description of the computer language knowledge and big data management and analysis skills
- Scanned copies of academic titles and language knowledge certificates
- Copy of transcript of courses and grades
- List of publications in international peer-reviewed scientific journals and announcements in conferences and symposia
- Copy of BSc and MSc theses abstracts
- Employer's certificate and any other official documentation of the required experience.

**Any application received after the deadline will not be considered for the selection.**

### Selection Procedure

Applications that are received on time will be evaluated by a scientific committee using the criteria mentioned above. If necessary, certain candidates will be invited to a personal interview with the committee.

Interview Criteria:

(a) Background in the objective of the assignment (5 points). (b) Organizational and communication skills (5 points). (c) Team-spirit and self-motivation (5 points). (d) Commitment to achieving the goals (5 points).

The outcome of the selection will be announced on the website of FORTH/ICE-HT as well as on the website of "DIAVGEIA".

In case of titles and qualifications awarded by foreign Higher Education Institutions, the provisions of the Law 55/2023 (article 36) and 4957/2022 (article 304) are implemented.

### Selection Announcement

The result of the selection will be announced on the website of: FORTH/ICE-HT.

Candidates have the right to appeal the selection decision, by addressing their written objection to the FORTH/ICE-HT Research Secretariat, e-mail: [kleanthi@iceht.forth.gr](mailto:kleanthi@iceht.forth.gr), within five (5) days after the results announcement on the web.

### Contact

For information and questions regarding the application and selection procedure, candidates are asked to contact the FORTH/ICE-HT Research Secretariat, e-mail: [kleanthi@iceht.forth.gr](mailto:kleanthi@iceht.forth.gr), tel.: +30 2610 965278.

For information and questions about the advertised position and the research activity of the group or the Institute, candidates are asked to contact Dr. Maria Klapa, tel: +30 2610 965249, e-mail: [mklapa@iceht.forth.gr](mailto:mklapa@iceht.forth.gr).

**General Protection Data Regulation**

FORTH is compliant with all legal procedures for the processing of personal data as defined by the Regulation EU/2016/679 on the protection of natural persons with regard to the processing of personal data.

FORTH processes the personal data and relevant supporting documents that you have submitted to us. Processing of that data is carried out exclusively for the needs and purposes of this specific call. Such data shall not be transmitted to or communicated to any third party unless required by law. FORTH retains the above data up to the announcement of the final results of the call, unless further process and reservation is required by law or for purposes of exercise, enforcement, prosecution of certain one's legitimate legal rights' as defined in the Regulation EU/2016/679 and/or in national law.

We inform you that under the Regulation EU/2016/679 you have the rights to be informed about your personal data, access to, rectification and erasure, restrictions of process and objection to as provided by applicable regulation and national laws.

We acknowledge also to you, that you have the right to file a complaint to the national Data Protection Authority. For any further information regarding exercise of your personal data protection rights, you may contact the Data Protection Officer at FORTH at [dpo@admin.forth.gr](mailto:dpo@admin.forth.gr). You have the right to withdraw your application and consent for the processing of your personal data at any time. We inform you that, in this case, FORTH shall destroy such documents and/or supporting documents submitted and shall delete the related personal data.

For FORTH/ICE-HT

Theophilos Ioannides  
Director

