



Patras, 21.11.2025

Ref. No.: 201748



Invitation for Expression of Interest:

PhD Fellowship “Investigating public databases for biological & omic data for microorganisms of biomanufacturing interest”

The Institute of Chemical Engineering Sciences, Foundation for Research and Technology - Hellas, (FORTH/ICE-HT) is seeking applicants for one PhD candidate position in the context of the research project «Towards a one-stop shop for connecting databases, datasets and tools for the Design-Build-Test-Learn cycle in biotechnology», ELIXIR_DBTLHub, Project identifier: 2024-SCIENCE-CMR-DBTLHub, which is implemented under the ELIXIR Scientific Programme 2024-2028 Commissioned Service Project Plan for Cellular & Molecular Research (CMR).

Job Description

To conduct research as a PhD candidate within the framework of the aforementioned project “ELIXIR-DBTML”. The project refers to the Implementation Study annotated as WP3 in the proposal of funding commissioned services under the commissioned services programme science tier for the Priority Area Cellular & Molecular Research - CMR», in the context of the ELIXIR Scientific Programme 2024-2028, entitled: «Towards a one-stop shop for connecting databases, datasets and tools for the Design-Build-Test-Learn cycle in biotechnology ». The applicant will work in Activity 3: Development of use cases for biomanufacturing and bioprospecting with focus on identifying FAIRly curated DBTL-related datasets, databases, and models and demonstrate DBTL approaches for industrial biomanufacturing through use cases. The applicant’s main activity will be on investigating public databases for biological and omic data for microorganisms of biomanufacturing interest.

Location: FORTH/ICE-HT, Patras, Greece

Duration: up to 4 months, with the potential of renewal or extension according to the needs of the project and performance

Fellowship: up to 1000 Euros per month (graduate fellowship) depending on qualifications

Envisaged starting date: 1/1/2026

Requirements and Qualifications

The applicant should hold a BSc or a diploma in Chemical or Biochemical Engineering and have a MSc degree in Biochemistry or Biological Chemistry or Chemical Biology or Systems Biology. The candidate should have been registered as a PhD Candidate in Biotechnology or Biomolecular Engineering in a Chemical Engineering or Chemistry or Biology Department or related discipline. Experience with microbes of biomanufacturing interest and use of biomolecular reaction & interaction databases would be strongly favored. Participation in research projects for at least two years is required; additional experience would be favored. Candidates must have good knowledge of the Greek and English (at least level B2) language.

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

Qualifications	Weight	Evaluation criteria
Experience with microbes of biomanufacturing interest & use of biomolecular reaction & interaction databases	40	1. Relevance of MSc thesis: strong relevance: 20 points, medium relevance: 10 points, weak relevance: 5 points 2. Publications in peer-reviewed international journals & conference proceedings: 2.5 points/publication, 1.5 points/conference presentation, up to 20 points
Participation in research projects	30	12-24 months: 15 points, 25-48 months: 25 points, >49 months = 30 points
BSc or diploma grade	15	BSc or diploma grade X 1.5 points
Knowledge of English language	15	C1: 7.5 points, C2: 15 points
Overall	100	

Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 1/12/2025, 16:00, by email to Kleanthi Zacharopoulou: kleanthi@iceht.forth.gr, cc.: mklapa@iceht.forth.gr

In order to be considered, the application must include:

- Application letter
- CV
- Scanned copies of academic titles & English language certificate
- Certificate of registration as a PhD candidate
- Copy of MSc thesis
- Copies of the publications in peer-reviewed journals and conference proceedings
- 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, 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, 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 969249, e-mail: 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.

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