



Patras, 20.10.2022

Ref. No.: 91790

Invitation for Expression of Interest:

PhD fellowship “Design of Metabolomics and Fluxomics Experiments of CAR-T bioreactor systems”

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE- HT) is seeking applicants for one PhD candidate position in the context of the research project “Artificial Intelligence-driven, Decentralized Production for Advanced Therapies in the Hospital, AIDPATH, GA No 101016909”, which is implemented under the H2020 Innovation Action (IA) «Digitising and transforming European industry and services: digital innovation hubs and platforms».

Job Description

To conduct research, as a PhD candidate, in the framework of the aforementioned project, in the design of experiments for metabolomics and fluxomics of CAR-T bioreactor systems (medium and CAR-T cells), and the computational analysis of the metabolic profiles, mainly through metabolite identification, quantification, profile normalization and metabolic network reconstruction.

Location: FORTH/ICE-HT, Patras, Greece

Duration: Up to 12 months, with the potential of renewal or extension according to the needs of the project

Fellowship: Up to approximately 830 € per month (graduate fellowship) depending on qualifications

Envisaged starting date: 1/12/2022

Requirements and Qualifications

The applicant should hold undergraduate B.S. or Diploma in Chemical or Biochemical Engineering or relevant field and have a Master's 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 metabolomics/fluxomics and biomolecular network analysis would be strongly favored. Participation in research projects would 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
Experience with Metabolomics/Fluxomics and Biomolecular Network Analysis	35	<p>Demonstrated through</p> <ol style="list-style-type: none">1. Relevance of Undergraduate Advanced Project or Diploma Thesis or Master's Thesis: strong relevance: 25 points, medium relevance: 17 points, weak relevance: 10 points2. Participation in relevant research projects: 3 points for each, up to 6 points3. Publications in peer-review international journals & presentations/posters at conferences & symposia: 2 points for each, up to 4 points



B.S or diploma grade	25	2,5 * BS or Diploma Grade (if grade is out of 10); 5 * BS or Diploma Grade (if grade is out of 5) For other grading systems, the algorithm will be appropriately applied
Interview	20	(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).
Participation in research projects	10	5 points for each, up to 10 points
Knowledge of English Language	10	7.5 points (Very Good_ level: C1) 10 points (Excellent_ level: C2)
Overall	100	

Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 31/10/2022, 16:00, by email to Kleanthi Zacharopoulou: kleanthi@iceht.forth.gr. In order to be considered, the application must include:

- Application letter
- CV with clear description of the methodologies possessed by the applicant and the level of experience
- Certificate of registration as a PhD candidate
- Scanned copies of academic titles and language knowledge certificates
- Copies of the publications in peer-reviewed journals and conference proceedings
- Copies of diploma thesis and Master's degree thesis
- Employer's certificate of the work experience and any other official document to certify the aforementioned required qualifications

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.

Selection Announcement

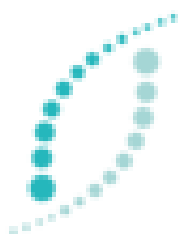
The result of the selection will be announced on the website of FORTH/ICE-HT as well as on the website of "DIAVGEIA".

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 result 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 965249, 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

Vasilis Burganos
Director

