HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT & INVESTMENTS
GENERAL SECRETARIAT FOR RESEARCH & INNOVATION

FORTH

FOUNDATION FOR RESEARCH & TECHNOLOGY - HELLAS
INSTITUTE OF CHEMICAL ENGINEERING SCIENCES

Patras, 23.08.2021
Ref. No.: 59480

Invitation for Expression of Interest:
Postdoctoral Researcher for research on "Development of AI data-driven model for CAR-T bioprocess optimization for the improved production of personalized therapies"

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE- HT) is seeking applicants for one position of postdoctoral researcher to conduct research in the frame 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 carry out computational work for AI system and bioprocess definition, under a work contract (including the fixed-term employment possibility), including System Design and AI Use Case Description, Definition of Bioprocess Metrics & Analytical Technologies and development of AI data-driven models based on high-throughput omic data. The job will also involve participation in the daily implementation of AIDPATH project deliverables for FORTH/ICE-HT, participation in meetings of the various AIDPATH streams and preparation of reports.

Location: FORTH/ICE-HT, Patras, Greece
Duration: Initial contract up to 12 months, with the potential of renewal
Salary: Up to approximately 2.500 € per month (total cost of the employer, including social security and taxes) depending on the qualifications
Envisaged starting date: 1/10/2021

Requirements and Qualifications
The applicant should hold undergraduate B.S. or Diploma in Applied Mathematics or Engineering and a PhD in Computational or Systems Biology with focus on mathematical modeling of biological networks. Experience in data mining and machine learning is required. Experience with development of decision support systems in clinical practice will be positively evaluated. Proven participation in EU funded research projects and publications in international peer-reviewed journals are required. Candidates must have good knowledge of Greek and English language (Level B2).

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

Qualifications	Weight	Evaluation criteria & Points
PhD Dissertation in Computational of Systems Biology with focus on mathematical modeling of biological networks.	20	Relevance to the research topic
Experience in data mining and machine learning	20	Demonstrated through PhD dissertation, recommendation letters and publications

HORIZON 2020

www.iceht.forth.gr

Participation in EU funded research projects and report writing	20	Duration of proven experience in EU funded projects; relevance of task allocation (5/year, max. 20 pts)
Publications in international peer-reviewed scientific journals and announcements in conference proceedings in the context of Computational and Systems Biology	20	Number of publications in journals and announcements in conferences and symposia in the context of Computational & Systems Biology (5 points per publication, 1 point per announcement, with a maximum of 20)
Experience with development of decision support systems in clinical practice	15	Demonstrated through publications (5 points if any relevant), work experience (10 points, 2pt/year)
Knowledge of English language	5	B2=3, C1=4, C2=5

Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 07/09/2021, 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 techniques possessed by the applicant and the level of experience
- Scanned copies of academic titles and language knowledge certificates
- Statement of research interests
- Copies of the publications in peer-reviewed journals and conference proceedings
- Two (2) recommendation letters (to be sent directly by the authors to Dr. M. Klapa mklapa@iceht.forth.gr)
- Certificates of previous experience and participation in EU funded projects
- Copy of PhD dissertation

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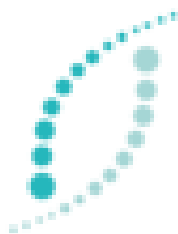
Selection Procedure

Applications that are received on time will be evaluated by a scientific committee using the criteria mentioned above. The outcome of the selection will be announced on the website of FORTH/ICE-HT as well as on the website of "DIAVGEIA"

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