



Patras, 11/8/2020

Ref. No.: 35397

**Invitation for Expression of Interest:**  
**Postgraduate Fellowship** "Computer-aided design toolbox for bioprinting applications"

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE- HT) is seeking applicants for one postgraduate research fellowship in the context of the research project "Precision Manufacturing of Microengineered Complex Joint Implants (JOINTPROMISE)", which is implemented under the H2020 Research and Innovation Action.

**Job Description**

To conduct research in the framework of the aforementioned project "JOINTPROMISE". The main objective of the specific part of JOINTPROMISE is to model and simulate the culture process of microtissues for enhanced bioreactor process design. The main focus will be on the effect of shear stress on microtissues, and bioreactor dimension and geometric feature determination, and step-by-step in silico representation of mass transport through biologically relevant porous media and tissues.

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

**Duration:** 4 months, with the potential of renewal

**Fellowship:** 830 euros/month

**Envisaged starting date:** 1/10/2020

**Requirements and Qualifications**

Education degree: Level of Masters in Chemical Engineering.

Proven experience in research projects.

Candidates must have good knowledge of English.

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

Qualifications	Weight	Evaluation criteria
Proven experience in modeling and simulation of reactive flow and mass transport models in layers of cells and biologically relevant porous media	30	Duration of proven research experience
Proven experience in CFD methods and algorithms and usage of established CFD software, in Computer-Aided Design of chemical bioprocesses at material and module level	30	Duration of proven research experience in research
Experience in externally funded projects in the aforementioned subjects	20	Duration of participation in funded projects
Publications in international journals and announcements in conferences in the aforementioned subjects	20	Number of publications in journals, number of presentations and announcements in conferences and symposia

**Application Submission**

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 31/08/2020, 16:00h, by email to Kleanthi Zacharopoulou: [kleanthi@iceht.forth.gr](mailto:kleanthi@iceht.forth.gr).

In order to be considered, the application must include:



- Application letter
- CV
- Scanned copies of academic titles
- Statement of research interests

**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.

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](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. Vasilis Burganos, tel: +30 2610 965215, e-mail: [vbur@iceht.forth.gr](mailto:vbur@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,

Vasilis Burganos  
Director

