

P.N. 0416-P/125211
15 November 2023

Three (3) Postdoctoral Researcher Position

[Ref # ORZ-0556] [Ref # ORZ-0557] [Ref # ORZ-0558]

Prof Electra Gizeli, head of the Biosensors lab (<https://www.gizeligroup.eu/>), under the European Program **H2020-BlueGrowth-2020-1** entitled “Technologies for Ocean Sensing” Acronym “TechOceanS” (Program Coordinator Prof M. Mowlem, <https://techoceans.eu/>) invites applications for three (3) motivated Postdoctoral Researchers to work on:

1. **Development of molecular assays for the detection of E-DNA upon sample pre-treatment (ORZ-0556)**
2. **Detection of diatoms in environmental samples (ORZ-0557)**
3. **Development of acoustic biosensor for E-DNA detection (ORZ-0558)**

About the lab

The successful applicants will be expected to join in a **multidisciplinary group** consisting of biologists, chemists, engineers, bio-physicists and material scientists and contribute in **novel** and **innovation-driven research** related to the development of point-of-care tools. In addition, she/he will be encouraged to **supervise** students, participate in **technology transfer** events, contribute towards the **broad dissemination of science** and **develop skills** related to presentations, grant-applications and scientific papers writing.

About the project:

The TechOceanS project is developing novel instruments to enable real-time in situ environmental monitoring. A new nucleic acid analyzer is being developed to perform quantitative molecular analysis of environmental DNA-based on isothermal DNA amplification implemented on custom fluidic devices. This instrument will be used to survey and monitor organisms that pose risks to humans and industries such as aquaculture, as well as organisms that play a key role in ecosystem functioning.

Required qualifications:

- BSc in biology, biochemistry molecular biology, marine biology, biochemistry and other relevant topics within life sciences
- MSc and PhD in marine biology (ORZ-0556, ORZ-0557), (molecular) biotechnology (ORZ-0556, ORZ-0558), microbiology (ORZ-0556, ORZ-0557) and relevant topics
- Excellent oral and written skills in English language
- More than 3 years lab-experience in the lab and specifically on the development of biological assays, biotechnological applications

Desired qualifications:

- Prior experience on the design of molecular assays using isothermal amplification techniques (LAMP, RPA etc.) including experience with working with crude sample (ORZ-0556)
- **2. Experience on diatoms molecular biology/genetics (ORZ-0557)**
- **3. Experience with biosensors (in general), preferably acoustic ones (ORZ-0558)**

Submission of applications: orz0556@imbb.forth.gr (Position encoded ORZ-0556)

Submission of applications: orz0557@imbb.forth.gr (Position encoded ORZ-0557)

Submission of applications: orz0558@imbb.forth.gr (Position encoded ORZ-0558)

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	Evaluation criteria	Maximum score
1.	B.Sc. degree grade (Score points = grade x 2)	20
2.	M.S. degree grade (Score points = grade x 1)	10
3.	Relevant laboratory experience (0-12 months = 10 points, 12-24 months = 20 points, 24-36 months = 30 points, >36 months = 40 points)	40
4.	Oral and written skills in the English language (B1 = 5 points, B2 = 10 points, C1 = 15 points, C2 = 20 points)	20
5.	PhD in marine biology (ORZ-0556, ORZ-0557), (molecular) biotechnology (ORZ-0556, ORZ-0558), microbiology (ORZ-0556, ORZ-0557) and relevant topics	YES/NO
6.	Experience as described in desired qualifications (YES=10 points)	10
Total score		100

Contract Duration:

1. **Three months** with the possibility of extension according to the project needs (ORZ-0556)
2. **Nine months** (ORZ-0557)
3. **Three months** with the possibility of extension according to the project needs (ORZ-0558)

Total budget: Depending on experience and qualifications, in accordance with the provisions of the Greek legislation (Law 4354/2015)

Envisaged starting date: 1/1/2024

Application submission: Interested applicants should submit their application electronically by **November 25, 2023 @ 13:00 (Greece time)**

The application should consist of:

1. Application Form (see below)
2. CV
3. Brief statement of purpose
4. The names and contact details of two referees
5. Scanned copies of academic titles
6. Scanned copies proving all the qualifications

Evaluation procedure

Applications will be evaluated by a three-member evaluation committee. In case of interview procedure, applicants will be invited to participate in person or teleconference.

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.

The results of the selection will be announced on the website of IMBB-FORTH. Applicants have the right to appeal the selection decision, by addressing their written objection to the IMBB secretariat within five days since the results announcement on the web. Objections are submitted in one of the following ways: in person, by an authorized person, by post, by courier. They also have the right to access (a) the files of the applicants as well as (b) the table of applicants' scores (ranking of applicants results). All the above information related to the selection procedure will be available at the secretariat of IMBB-FORTH in line with the Hellenic Data Protection Authority. Access to personal data of co- applicants shall be limited to personal data (and relevant data) and supporting documents which have been the basis of the evaluation of the applicants for the specific post(s). Prior to the announcement of the personal data and/or documents of the co- applicants to the applicant, FORTH will inform the data subjects in an appropriate way.

The selected applicants will be notified personally regarding the success of his/her application and will be requested to submit certified copies of his/her degrees. If the submitted documents do not agree with the original application, the applicant will be dismissed.

GDPR Disclaimer

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 applicants have submitted. 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. Under the Regulation EU/2016/679, applicants have the rights to be informed about their personal data, access to, rectification and erasure, restrictions of process and objection to as provided by applicable regulation and national laws. Applicants have the right to file a complaint to the national Data Protection Authority. For any further information regarding exercise of personal data protection rights, applicants may contact the Data Protection Officer at FORTH at dpo@admin.forth.gr.

Applicants have the right to withdraw your application and consent for the processing of personal data at any time. In this case, FORTH shall destroy such documents and/or supporting documents submitted and shall delete the related personal data.

APPLICATION FORM

Name: _____
Surname: _____
Date of birth (dd/mm/yy): _____
Address: _____
Telephone number: _____
Email address: _____

TO
FOUNDATION OF RESEARCH AND TECHNOLOGY (FORTH)
INSTITUTE OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY

Hereby I submit my application for the position:

In the framework of the project: _____

Position code [Ref #] _____

Submitted with this application:

1. _____
2. _____
3. _____
4. _____
5. _____

I certify that:

- A) I accept the terms and conditions of the job announcement
- B) I possess all the necessary certificates and documents and I can present them in their original form to the committee without any delay if I am asked to do so
- C) I am able to complete the project within the foreseen time -frame
- D) all the information given in the framework of this application are accurate and true.

Date: _____

Applicant name

(signature)