



One (1) Post-Doctoral Researcher Position

[Ref # ORZ-0784]

The Biosensors lab (<https://www.gizeligroup.eu/>), headed by Prof. Electra Gizeli, invites applications for a **Post-Doctoral Researcher** position to work in the newly awarded **HORIZON-WIDERA-2023-ACCESS-07** project entitled “Connecting Greek and Portuguese Innovation Ecosystems to Develop a Hub for Infectious Diseases Diagnostic Solutions at the Point-of Care – Tackling Cross-border Threats” Acronym: DxHub (Project number: 101186531) on the:

“Development of molecular assays for the detection of emerging pathogens in human samples”

Job description

The work concerns the development of diagnostic solutions to detect pathogens of interest to Europe and the world. Emerging viruses such as SARS and Arboviruses together with threats to the public health such as *Legionella* and *Salmonella* are potential targets. The successful applicant will be responsible for the design of novel molecular assays based on amplification methodologies. Convergence of System's Biology and Nanotechnology will be explored together with isothermal amplification methods. This exciting line of research is expected to generate innovative methodologies, foster the development of intellectual property (IP), and enable the translation of laboratory-based techniques into real-world applications for the benefit of society.

Project Description:

DxHub will develop a strong ecosystem reinforcing actors from two widening countries to consolidate individual efforts into a common cutting-edge R&I plan, thus, accelerating innovations in diagnostics into impactful solutions by embracing the quadruple helix (researchers, government, industry, the public). Close collaboration with clinicians, scientists and engineers will be part of this multidisciplinary 4-year project. The successful candidate will work closely with collaborators at the ITQB-NOVA and IHMT-NOVA Universities in Portugal, as well as industrial partners both in Greece and in Portugal.

Lab Description:

The successful applicant will be join a multidisciplinary group consisting of biologists, chemists, engineers, biophysicists and material scientists focusing on the development of diagnostic/biosensing platforms for environmental and healthcare applications (human, plant-food and animals). She/He will contribute to scientific excellence and innovation-driven research related to the project; also will participate in technology transfer events, contribute towards the broad dissemination of scientific results and develop skills related to presentations, report-writing and scientific papers writing.

Required qualifications:

- BSc in molecular biology, chemistry, biotechnology, or other relevant scientific fields
- PhD in molecular biology, biotechnology, or other relevant fields
- Lab experience on molecular diagnostic assays
- Oral and written skills in English language
- Ability to start in the next 2 months

Desired qualifications:

- Lab experience on isothermal amplification techniques
- Experience on the design of primers, probes etc. for molecular assays
- Good publication record in the relevant field of diagnostics
- Ability to work independently and supervise students & younger researchers

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	Evaluation criteria	Maximum score
1.	BSc in molecular biology, chemistry, biotechnology, or other relevant fields (Score points = grade x 2),	20
2.	PhD in molecular biology, biotechnology, or other relevant fields	YES/NO
3.	Previous lab experience on molecular diagnostic assays (6-12 months = 5 points, 12-24 months = 10 points, >24= 20 points)	20
4.	Experience on isothermal amplification techniques & the design of primers, probes etc. for molecular assays (6-12 months = 5 points, 12-24 months = 10 points, >24= 20 points)	20
5.	Publication record (1 publication = 5 points, 1-4 publications = 15 points, >4 publications = 20 points)	20
6.	Oral and written skills in the English language (B1 = 5 points, B2 = 10 points, C1 = 15 points, C2 = 20 points)	20
7.	Ability to work independently and supervise students & younger researchers	YES/NO
8.	Ability to start in the next 2 months	YES/NO
Total score		100

Contract Duration: 12 months with the possibility of extension for another 36 months

Salary: Competitive salary according to national legislation and qualifications

Envisaged starting date: 1st October 2025

Application submission: Interested applicants should submit their application electronically by **10/07/2025 @ 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

Submission of applications: orz0784@imbb.forth.gr

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.

Throughout the duration of the project, and if there is a need to replace persons selected in accordance with this Call, the replacement will be carried out by selecting - based on score/point allocation - another candidate(s) from the compiled ranking list.

In the event that for any reason the funding provided for the project is interrupted, FORTH-IMBB reserves the right to interrupt the execution of the contract with a special declaration of interruption and without compensation.

FORTH-IMBB does not undertake any commitment to conclude a contract and is entitled to cancel or repeat the procedure without obligation to pay any compensation, excluding any relevant claim by the candidates.

Participation in this call for expressions of interest implies full acceptance of the terms of this.

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)