HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT
GENERAL SECRETARIAT FOR RESEARCH AND INNOVATION

FORTH
FOUNDATION FOR RESEARCH AND TECHNOLOGY - HELLAS
INSTITUTE OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY

P.N. 0710-P/201837
21 November 2025

Two (2) Postdoctoral Researcher Positions and Three (3) Research technician positions

[Ref # ORZ-0854]

The Institute of Molecular Biology and Biotechnology (IMBB-FORTH www.imbb.forth.gr), under the European Program HORIZON-CL6-2023-FARM2FORK-01, entitled ***«Next Generation Biopesticides for the control of the most "difficult-to-manage" pests and pathogens in fruits and vegetables»*** short name ***"NextGenBioPest"*****,** awarded to IMBB, invites applications for one motivated Postdoctoral Researcher Position

Info about the project:
Plant pests and pathogens damage agricultural production and endanger food security. Their control relies heavily on the use of synthetic insecticides, leading to a negative environmental impact. Developing new methods for pest and pathogen control is therefore essential to safeguard human health and meet the challenge of increasing crop yields, while reducing the use of chemical pesticides. The overarching objective of the **NextGenBioPest** project is to meet this need by delivering novel and improved products, methods, and practices for the rational control of the most difficult-to-manage arthropod pests and pathogens, with substantially reduced pesticide use.

Postdoctoral Researcher Position #1
Job Description: The successful applicant will undertake part of the discovery of a new tool kit for Plant Protection that will include diagnostics for pest and pathogen identification and incrimination and will develop methods to augment their performance in the field. He/she will work on WP2 Automated molecular platforms & IT/AI diagnostics for pests and pathogens and specifically will develop (1)ready-to-use-lyopellets ("pills") for pest incrimination, (2) a novel plant pathogen detection platform (qcLAMP-based, portable POC device with smart-phone control), and (3) automatic image analysis-based smartphone application for pathogen detection. They should also be adaptable and able to work with a range of people in a multicultural environment. Excellent knowledge of English and Project Management is required.

Required qualifications:

- BSc in Biology/Biochemistry
- PhD in Biology/Biochemistry
- More than 8 years' experience with insecticide resistance
- Excellent oral and written skills in English language

Desired qualifications:

- Working experience in biochemical methods used in insecticide resistance mechanisms
- Working experience in insecticide resistance for plant protection
- Working experience in automated molecular platforms and IT/AI diagnostics
- Publication record

www.imbb.forth.gr

Nikolaou Plastira 100
Vassilika Vouton
GR 700 13 Heraklion
Crete, Greece
Tel. +30 2810391700
Fax +30 2810391101
Email: imbb@imbb.forth.gr

	Evaluation criteria	Maximum score
1.	B.Sc. degree grade (Score points = grade x 1)	10
2.	PhD in Biology/Biochemistry	Yes/no
3.	More than 8 years' experience with insecticide resistance	Yes/no
4.	Oral and written skills in the English language (B1 = 2 points, B2 = 5 points, C1 = 7 points, C2 = 10 points)	10
5.	Working experience in biochemical methods used in insecticide resistance mechanisms (12-24 months = 5 points, 24-36 months = 10 points, >36 months = 20 points)	20
6.	Working experience in insecticide resistance for plant protection (12-24 months = 10 points, 24-36 months = 15 points, >36 months = 20 points)	20
7.	Working experience in automated molecular platforms and IT/AI diagnostics (12-24 months = 10 points, 24-36 months = 15 points, >36 months = 20 points)	20
8.	Publication record (1-10 publications = 10 points, >11 publications = 20 points)	20
Total score		100

Contract Duration: 12 months with the possibility of extension according to the project needs
Total budget: 2000-3000 € monthly cost (incl. tax and social security)
Envisaged starting date: 1st of January 2026
Application submission: Interested applicants should submit their application electronically by **December 01, 2025**

Postdoctoral Researcher Position #2
Job Description: The successful applicant will undertake part of the discovery of a new tool kit for Plant Protection that will include diagnostics for pest and pathogen identification and incrimination and will develop methods to augment their performance in the field. He/she will work on WP4 RNA–based Pesticides with aim to develop, evaluate, and optimize RNA-based pesticide formulations. They should also be adaptable and able to work with a range of people in a multicultural environment. Excellent knowledge of English and Project Management is required.

Required qualifications:

- BSc in Biology/Biochemistry
- PhD in Biology/Biochemistry
- More than 8 years' experience with insecticide resistance
- Experience in RNAi
- Excellent oral and written skills in English language

Desired qualifications:

- Working experience in biochemical methods used in insecticide resistance mechanisms
- Working experience in insecticide resistance using drosophila melanogaster
- Publication record

	Evaluation criteria	Maximum score
1.	B.Sc. degree grade (Score points = grade x 2)	20
2.	PhD in Biology/Biochemistry	Yes/no
3.	More than 8 years' experience with insecticide resistance	Yes/no
4.	Experience in RNAi	Yes/no

5.	Oral and written skills in the English language (B1 = 5 points, B2 = 10 points, C1 = 15 points, C2 = 20 points)	20
6.	Working experience in biochemical methods used in insecticide resistance mechanisms (12-24 months = 5 points, 24-36 months = 10 points, >36 months = 20 points)	20
7.	Working experience in insecticide resistance using drosophila melanogaster (12-24 months = 10 points, 24-36 months = 15 points, >36 months = 20 points)	20
8.	Publication record (1-10 publications = 10 points, >11 publications = 20 points)	20
Total score		100

Contract Duration: 6 months with the possibility of extension according to the project needs
Total budget: 2000-3000 € monthly cost (incl. tax and social security)
Envisaged starting date: 1st of January 2026
Application submission: Interested applicants should submit their application electronically by **December 01, 2025**

Research technician position #1

Job Description: The successful applicant will produce recombinant proteins and work mainly in WP5 Low Risk Pesticides / Green Chemicals. The aim will be to develop and validate (TRL6-8) novel plant resistance-inducing compounds, green chemical crop protection products, as well as highly potent and selective juvenoids as alternatives/ substitutes to conventional chemical crop protection by further assessing their efficacies and activity spectra, investigating potential phytotoxicity and safety to non-target organisms, understanding the risk of resistance emergence, and demonstrating field efficacy. He/she will also participate in writing progress reports and publications. The applicant should be accordingly adaptable and able to work with a range of people in a multicultural environment. Excellent knowledge of English is required.

Required qualifications:

- BSc in Biology/Biochemistry
- MSc in Biology/Biochemistry
- More than 8 years' experience with insecticide resistance
- Experience in recombinant protein production (especially P450s)
- Excellent oral and written skills in English language

Desired qualifications:

- Working experience in molecular entomology
- Working experience with mosquitos and/or sandflies and/or agricultural pests
- Publication record

	Evaluation criteria	**Maximum score**
1.	B.Sc. degree grade (Score points = grade x 1)	10
2.	MSc in Biology/Biochemistry (Score points = grade x 1)	10
3.	More than 8 years' experience with insecticide resistance	Yes/no
4.	Experience in recombinant protein production (especially P450s) (12-24 months = 5 points, 24-36 months = 10 points, >36 months = 20 points)	20
5.	Oral and written skills in the English language (B1 = 2 points, B2 = 5 points, C1 = 7 points, C2 = 10 points)	10

6.	Working experience in molecular entomology (12-24 months = 5 points, 24-36 months = 7 points, >36 months = 10 points)	10
7.	Working experience with mosquitos and/or sandflies and/or agricultural pests (12-24 months = 10 points, 24-36 months = 15 points, >36 months = 20 points)	20
8.	Publication record (1-10 publications = 10 points, >11 publications = 20 points)	20
Total score		100

Contract Duration: 12 months with the possibility of extension according to the project needs
Total budget: in accordance with national legislation and experience.
Envisaged starting date: 1st of January 2026
Application submission: Interested applicants should submit their application electronically by **December 01, 2025**

Research technician position #2

Job Description: The successful applicant will work mainly in the insectary and will be responsible for the rearing of insects and perform bioassays. The main insects that will be used are Aedes albopictus, Phlebotomus papatasi, Bactrocera oleae and thrips. He/she will also participate in writing progress reports and publications. The applicant should be accordingly adaptable and able to work with a range of people in a multicultural environment. Excellent knowledge of English is required.

Required qualifications:

- BSc in Biology/Molecular Biology/Biotechnology/Microbiology
- MSc or equivalent integrated Master's degree
- More than 2 years' experience in insecticide resistance
- Excellent oral and written skills in English language

Desired qualifications:

- Experience in insecticide resistance mechanisms, with focus on biochemical and biophysical assays
- Experience on insect chemosensory proteins
- Experience in cell culture of insect cells

	Evaluation criteria	**Maximum score**
1.	B.Sc. degree grade (Score points = grade x 2)	20
2.	MSc or equivalent integrated Master's degree (Score points = grade x 2)	20
3.	More than 2 years' experience in insecticide resistance	Yes/no
4.	Oral and written skills in the English language (B1 = 5 points, B2 = 10 points, C1 = 15 points, C2 = 20 points)	10
5.	Experience in insecticide resistance mechanisms, with focus on biochemical and biophysical assays (12-24 months = 5 points, 24-36 months = 10 points, >36 months = 20 points)	20
6.	Experience on insect chemosensory proteins (12-24 months = 5 points, 24-36 months = 10 points, >36 months = 20 points)	20

7.	Experience in cell culture of insect cells (12-24 months = 5 points, 24-36 months = 7 points, >36 months = 10 points)	10
Total score		100

Contract Duration: 12 months with the possibility of extension according to the project needs
Total budget: in accordance with national legislation and experience.
Envisaged starting date: 1st of January 2026
Application submission: Interested applicants should submit their application electronically by **December 01, 2025**

Research technician position #3

Job Description: The successful applicant will work on studying the insecticide resistance mechanisms. He/she will also participate in writing progress reports and publications. The applicant should be accordingly adaptable and able to work with a range of people in a multicultural environment. Excellent knowledge of English is required.

Required qualifications:

- BSc in Biology/Molecular Biology/Biotechnology/Microbiology
- MSc or equivalent integrated Master's degree
- More than 3 years' experience in insecticide resistance
- Experience in insect dissection and nanoinjection
- Excellent oral and written skills in English language

Desired qualifications:

- Experience in insecticide resistance mechanisms, with focus on CRISPR/Cas9
- Experience in confocal microscopy
- Experience in RNAi

	Evaluation criteria	**Maximum score**
1.	B.Sc. degree grade (Score points = grade x 2)	20
2.	MSc or equivalent integrated Master's degree (Score points = grade x 2)	20
3.	More than 3 years' experience in insecticide resistance	Yes/no
4.	Experience in insect dissection and nanoinjection	Yes/no
4.	Oral and written skills in the English language (B1 = 5 points, B2 = 10 points, C1 = 15 points, C2 = 20 points)	10
5.	Experience in insecticide resistance mechanisms, with focus on CRISPR/Cas9 (12-24 months = 5 points, 24-36 months = 10 points, >36 months = 20 points)	20
6.	Experience in confocal microscopy (12-24 months = 5 points, 24-36 months = 10 points, >36 months = 20 points)	20
7.	Experience in RNAi (12-24 months = 5 points, 24-36 months = 7 points, >36 months = 10 points)	10
Total score		100

Contract Duration: 12 months with the possibility of extension according to the project needs
Total budget: in accordance with national legislation and experience.
Envisaged starting date: 1st of January 2026
Application submission: Interested applicants should submit their application electronically by **December 01, 2025**

The application should consist of:
1. Application Form (see below)
2. CV
3. Brief statement of purpose
4. Scanned copies of academic titles
5. Scanned copies proving all the qualifications

Submission of applications: orz0854@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)