



**One (1) PhD candidate position in
BIOMAC-BP project
Bio-Stabilized Multiphase Materials as Carriers for Biopesticides
(Call: HORIZON-MSCA-2023-DN-01, GA 101168698)
HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks**



Funded by the
European Union

**Ref. 192611
Heraklion 11/09/2025**

The Institute of Electronic Structure and Laser (IESL) of the Foundation for research and Technology Hellas (FORTH), in the framework of the project BIOMAC-BP, (P.I. Dr B. Loppinet, Call: HORIZON-MSCA-2023-DN-01, GA 101168698) funded under HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks.

Job Description

Structure, dynamics and rheology of biobased formulation and the viability of inserted microbes. The 36 months PhD research project is located in the Polymer and Colloid Science lab in FORTH-IESL and is part of the BIOMAC-BP MSCA Doctoral Network aiming to optimize dispersing medium for microbes to be delivered to plants. In this experimental soft matter project, we will characterize the properties of the selected multiphase materials. Precise systems and preparation protocols will be selected in close collaboration with BIOMAC-BP partners. Typical systems consist of foams or emulsions stabilized by biobased nanocrystals (like starch or cellulose). The characterization of the microscopic structure will be done using combination of scattering and microscopies. Rheological properties will be measured. The mutual influence of the medium properties and of the microbe load will be studied in collaboration with UoC microbiologists.

Required qualifications

- Master in physics, engineering, chemistry, or related field at the time of contract start (30%)
- Interview (20%)
- Recommendation letter (15%)

Desirable qualifications

- Good knowledge of English (15%)
- Scientific publication (10%)
- Experience of experimental research, particularly soft matter (10%)

Location: IESL-FORTH, Heraklion Crete GREECE

Start Date (earliest): June 1st, 2025

Project Duration: 12 Months with possibility of extension according to the needs of the project

Application Submission

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than **September 21, 2025, 23:59 local Greece time** to the address (hr@iesl.forth.gr), with cc to the Scientific Coordinator, Dr Benoit Loppinet (benoit@iesl.forth.gr).

In order to be considered, the application must include:

- Application Form (please download file from the job announcement webpage <https://www.iesl.forth.gr/en/jobs-bids/jobs/job-positions>)
- Detailed curriculum vitae (CV) of the candidate
- Scanned Copies of academic titles
- Certificate for enrollment in a PhD program

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

Contact

For information and questions regarding the application and selection procedure, candidates are asked to contact the secretariat (hr@iesl.forth.gr), tel. +30 2810-391314.

For information and questions about the advertised position and the research activity of the group or the institute, candidates are asked to contact Dr Benoit Loppinet (benoit@iesl.forth.gr), tel. +30 2810-391465.

Selection Announcement

The result of the selection will be announced on the website of IESL-FORTH.

Candidates have the right to appeal the selection decision, by addressing their written objection to the IESL secretariat within five (5) days since the results announcement on the web. They also have the right to access (a) the files of the candidates as well as (b) the table of candidates' scores (ranking of candidates results). All the above information related to the selection procedure will be available at the secretariat of IESL-FORTH in line with the Hellenic Data Protection Authority.

GDPR

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.