

Expression of Interest: PhD Candidate



We are seeking motivated PhD candidates to join our lab at the Institute for Bioinnovation, Biomedical Sciences Research Center "Alexander Fleming" in Vari, Athens.

Membrane proteins constitute the main targets of most known drugs. However, structural knowledge of these important biomolecules is limited by the lack of tools that can accurately monitor their conformational states and structural motions in physiologically relevant conditions. Our research focuses on understanding molecular mechanisms of membrane proteins primarily utilising mass spectrometry and other related structural biology tools. The scientific project will be focusing on the integration of computational biology tools such as molecular modelling and molecular dynamics simulations with structural mass spectrometry experiments for enabling the investigation of challenging protein samples.

We invite students with BSc in computational chemistry and/or biology, chemical or biological sciences, bioinformatics or related field. Candidates with master's degree and equivalent professional experience in molecular-scale modelling and/or biomolecular simulations are particularly encouraged to apply. PhD topics include the followings:

- Computational chemistry or biochemistry
- Computational structural biology
- Molecular dynamics of membrane proteins

The student will have the opportunity to work in a multidisciplinary environment, with potential for research visits in other research centres, scientific communication and outreach activities. The successful candidate should be self-motivated, highly organised and work as part of a team. Additional relevant skills include oral and written communication skills in English, critical thinking capability and participation in conferences and/ or publications.



**Funded by
the European Union**

Positions will be fully funded by a HORIZON EU Program, [ERA Chair Grant \(MASSTRUCT\)](#) at studentship rates. Expressions of interest should be sent electronically to **Dr Argyris Politis** (politis@fleming.gr) and/or Ms Dimitra Chrysomalli (chrysomalli@fleming.gr) and should contain a cover letter outlining the candidate's interests and areas of expertise (maximum 1 page) and a CV including contact information of two referees.

Deadline for expression of interest 20/11/2026

For more information about the lab, please visit:

<https://politislabs.uk/>

<https://www.fleming.gr/>

<https://masstruct.org/>

Where to apply

E-mail: politis@fleming.gr or chrysomalli@fleming.gr