

Expression of Interest: PhD Candidates (multiple posts)



We are seeking motivated PhD candidates to join our newly established 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 utilising mass spectrometry and other structural biology and cellular physiology tools. The scientific projects will be focusing on the advancement of technology towards enabling the investigation of challenging protein samples, and the translation of such technology to combine with more conventional biology techniques towards unravelling disease-related states.

We invite students with BSc and MSc in biological or biomedical sciences, chemistry, biochemistry or related field. PhD topics include but not limited to the followings:

- Analytical chemistry with mass spectrometry
- Membrane biology
- Structural biochemistry
- Preclinical drug screening
- Computational structural biology

The project will combine experimental and data analysis training and statistics. The students 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 candidates 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.

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 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 23/05/2025

For more information about the lab, please visit:

<https://politislabs.uk/>

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

Where to apply

E-mail: politis@fleming.gr