



P.N. 0769-P/227178
07 July 2026

One (1) MSc Student Position

[Ref # PAR-0913]

The Laboratory of Rheumatology, Autoimmunity and Inflammation — Systemic Autoimmunity and Gene Regulation Group — under the Fondation Santé program, entitled “Epigenetic regulation of interferon responses by the histone demethylase KDM5C as a driver of sex bias in autoimmunity” and coordinated by Prof. George Bertias, invites applications for one (1) motivated MSc student.

The selected candidate will contribute to the implementation of ex vivo studies in human monocytes, aiming to determine the expression, function and regulatory role of KDM5C in the context of autoimmunity and interferon-mediated immune responses.

About the lab

The Laboratory of Rheumatology, Autoimmunity and Inflammation — Systemic Autoimmunity and Gene Regulation Group — investigates cellular and molecular pathways involved in dysregulated immune and inflammatory responses, tissue injury and repair in autoimmune diseases, using systemic lupus erythematosus (SLE) as a prototype disorder.

About the project:

The project aims to determine the expression of the histone demethylase KDM5C in male and female monocytes from healthy individuals and patients with SLE, and to explore its putative role in regulating inflammatory and interferon responses. Chromatin-profiling studies will be used to investigate the molecular basis of KDM5C-mediated gene regulation.

Job Description:

The MSc student will assist with experimental work involving:

- Isolation of peripheral blood mononuclear cells from human blood samples
- Isolation of CD14+ monocytes using magnetic-activated cell sorting
- Ex vivo culture and stimulation of primary monocytes
- RNA extraction, cDNA synthesis and RT-qPCR
- ELISA and Western blotting
- Flow cytometry-based assays
- Gene silencing experiments using siRNA
- RNA/DNA-FISH and confocal microscopy-based experiments
- Basic data analysis, literature review and preparation of experimental reports

Required qualifications:

- BSc degree in Biology, Molecular Biology, Biomedical Sciences, Immunology, Biochemistry, or a related Life Sciences discipline
- Enrollment in a postgraduate programme leading to an MSc degree in Molecular Biology, Immunology, Biomedical Sciences, Molecular Basis of Human Diseases, or a related field
- Documented oral and written skills in the English language
- Relevant laboratory experience in cell biology, molecular biology, immunology, or related experimental techniques

Desired qualifications:

- Hands-on experience with PBMC isolation from human blood samples
- Experience with molecular and cellular techniques, including flow cytometry/FACS, RNA/DNA-FISH, confocal microscopy
- Familiarity with experimental work in immunology, inflammation, interferon responses, epigenetics, or autoimmune disease research
- Honours – Awards
- Ability to work independently and collaboratively in a research laboratory environment

	Evaluation criteria	Maximum score
1.	B.Sc. degree grade (Score points = grade x 3)	30
2.	Enrollment in a postgraduate program leading to a MSc degree	YES/NO
3.	Relevant laboratory experience (6-12 months = 10 points, 12-24 months = 20 points, 24-36 months = 30 points; >36 months = 40 points)	40
4.	Oral and written skills in the English language (B1 = 5 points, B2 = 10 points, C1 = 15 points, C2 = 20 points)	20
5.	Honours – Awards	10
6.	Hands-on experience with PBMC isolation from human blood samples	YES/NO
7.	Experience with molecular and cellular techniques, including flow cytometry/FACS, RNA/DNA-FISH, confocal microscopy	YES/NO
8.	Familiarity with experimental work in immunology, inflammation, interferon responses, epigenetics, or autoimmune disease research	YES/NO
Total score		100

Contract Duration: 5 months with the possibility of extension according to the project needs

Total budget: 600 € monthly cost

Envisaged starting date: 01/10/2026

Application submission: Interested applicants should submit their application electronically by **July 17, 2026 @ 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: par0913@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 their 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)