Ioannis Markopoulos CV

E-mail: giannis.markopoulos.ma@gmail.com **Address:** Heraklion, Greece

Work Experience

IMBB-Forth/ University of Crete | Heraklion, Greece **May 2026 - Present**
Laboratory technician at Genome (In)stability and Mammalian Physiology Lab (George Garinis)
Maintenance and management of genetically modified mouse colonies and support for molecular and cellular biology experiments.

IMBB-Forth/ University of Crete | Heraklion, Greece **Nov. 2024 - Dec. 2025**
Research Assistant at Biosensors Lab (Electra Gizeli)
Development of molecular amplification methods for "toxic" genes in marine microorganisms

Education

University of Crete | Heraklion, Greece **Sep. 2022 – Nov. 2024**
***Master of Science**: Molecular Biology and Biomedicine (Grade: 9.4/10)*
1st rotation: Oocyst rupture protein (ORP) overexpression. (Inga Siden-Kiamos Lab)
2nd rotation: Histological study of the brain in control and MAM mice. (Kyriaki Sidiropoulou Lab)
3rd rotation: Development of a simplified model of neural network with use of Dendrify. (Panayiota Poirazi Lab)
Thesis: Development of isothermal RNA amplification for toxic algal bloom surveillance
Supervisor: Electra Gizeli, Matha Valiadi

Democritus University of Thrace | Alexandroupolis, Greece **Jan. 2017 - Sep. 2021**
***Bachelor of Science**: Molecular Biology and Genetics (Grade: 9.23/10)*
Thesis: Functional study of the clonotypic immunoglobulin of mature B cell neoplasm patients.
Supervisor: Kostas Stamatopoulos

Alexander Technological Educational Institute | Thessaloniki, Greece **Sep. 2012 - Dec. 2016**
***Bachelor of Science**: Medical Laboratory Sciences (Grade: 8.76/10)*
Medical Laboratory Internship (6 months), Hippokration General Hospital of Thessaloniki
Thesis: Study of new compounds acting as inhibitors – activators of alkaline phosphatase isoenzymes with in situ detection of enzymatic activity in gel.
Supervisor: Faidra Eleftheriou

Skills

Molecular biology techniques:
- Culturing (cancer cell lines, bacteria, microphytoplankton)
- Isolation of nucleic acids
- Amplification (PCR, qPCR, RPA, LAMP)
- Sanger sequencing analysis
- Cloning, Transformation, Transfection
- Flow cytometry, Immunostaining

Laboratory animal techniques:
- Mouse handling, breeding, weaning, tissue collection
- Transgenic colony management

Languages:
English (C2), Greek (Native)

Publications

- Iatrou, A. *et al.* (2023) 'N-glycosylation of the IG receptors shapes the antigen reactivity in chronic lymphocytic leukemia subset #201', *The Journal of Immunology*, 211(5), pp. 743–754. 10.4049/jimmunol.2300330