



Ioannis Markopoulos

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Nationality: Greek

ABOUT ME

I am a motivated molecular biologist with an extremely diverse scientific background. My passion lies in bridging molecular biology with its real-world applications. Currently, I am working as a Research Assistant in the Biosensors Lab under Electra Gizeli.

WORK EXPERIENCE

[12/2024 – Current]

Research Assistant

Biosensors Lab (Electra Gizeli)

City: Heraklion | Country: Greece

Continuation of the development of my Master thesis assay

EDUCATION AND TRAINING

[09/2022 – 11/2024]

Master of Science: Molecular Biology and Biomedicine

University of Crete (UOC) / Institute of Molecular Biology and Biotechnology (IMBB-FORTH) <https://www.imbb.forth.gr/mbb/index.php/en/>

City: Heraklion | Country: Greece | Final grade: 9.4 | Type of credits: ECTS | Number of credits: 120 | Thesis: Development of isothermal RNA amplification for toxic algal bloom surveillance (Supervisor: Electra Gizeli)

1st lab rotation: (Supervisor: Inga Siden-Kiamos)

Oocyst rupture protein (ORP) overexpression

2nd lab rotation: (Supervisor: Kyriaki Sidiropoulou)

Histological study of the brain in control and MAM mice

3rd lab rotation: (Supervisor: Panayiota Poirazi)

Development of a simplified model of neural network with use of Dendrifly

[01/2017 – 09/2021]

Bachelor of Science: Molecular Biology and Genetics

Democritus University of Thrace Department of Molecular Biology and Genetics <https://www.mbg.duth.gr/index.php/en/home-3/>

City: Alexandroupolis | Country: Greece | Final grade: 9.23 | Type of credits: ECTS | Number of credits: 240 | Thesis: Functional study of the clonotypic immunoglobulin of mature B cell neoplasm patients. (Supervisor: Kostas Stamatopoulos)

[09/2012 – 12/2016]

Bachelor of Science: Medical Laboratory Sciences

Alexander Technological Educational Institute Department of Biomedical Sciences <https://www.bmsc.ihu.gr/en/>

City: Thessaloniki | Country: Greece | Final grade: 8.76 | Type of credits: ECTS | Number of credits: 240 | Thesis: Study of new compounds acting as inhibitors – activators of alkaline phosphatase isoenzymes with in situ detection of enzymatic activity in gel.

LANGUAGE SKILLS

Mother tongue(s): Greek

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

LABORATORY SKILLS

Basic Molecular Biology Techniques

Culturing experience (cancer cell line, bacteria, microphytoplankton), Isolation of genetic material (RNA,DNA), Amplification (PCR, qPCR, RPA), Cloning, Transformation/ Transfection, Protein expression, Western blotting, Flow cytometry , Immunostaining, Microscopy

DIGITAL SKILLS

My Digital Skills

MOOC Advanced Python Programming (University of Helsinki)

PUBLICATIONS

[N-glycosylation of the IG receptors shapes the antigen reactivity in chronic lymphocytic leukemia subset #201](#)

Reference: latrou, 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. doi:10.4049/jimmunol.2300330.