

Charalampos Chalmoukis

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EDUCATION AND QUALIFICATIONS

2025-Today MSc in Molecular Biology and Biomedicine, Biology Department, Department of Medicine, University of Crete and Institute of Molecular Biology and Biotechnology of the Foundation for Research and Technology Hellas (IMBB-FORTH)

- Molecular cloning, mutagenesis (pcr)
- Protein overexpression, isolation and purification

2020- 2024 BSc Biology Department, School of Sciences and Engineering, University of Crete

Grade: 8,56/10

February 2024- October 2024 Undergraduate Thesis, BSc Biology Department, School of Sciences and Engineering, University of Crete and Hellenic Center of Marine Research

- Title: Molecular tagging of fish pathogenic bacteria with fluorescent proteins and applications
- Grade: 10/10

2023 Undergraduate Laboratory Assistant- Sarris Lab- BSc Biology Department, School of Sciences and Engineering, University of Crete

- Agar media preparation, DNA extraction from microbes, PCR, Agarose electrophoresis
- Identification of unknown microbes using BLAST
- In Vitro testing of microbe's interaction between unknown microorganisms and phytopathogens

2023 Internship - Euromedica MITERA A.E., Heraklion, Crete

- Basic knowledge in diagnostics based on human health
- Biochemical, microbiological analyses
- Blood, plasma serum and urine analyses
- Microcultures and staining techniques such as Grams, May-Grünwald

2022-2023 Erasmus Program- Environmental Management and Agriculture, West Pomeranian University of Technology, Szczecin, Poland

- Plant in-vitro, Nanobiotechnology, Evolution on Molecular Level, Industrial Enzymology, Aquatic Plants
- Knowledge in propagation and micropropagation of plants in vitro with and without nanoparticles
- Basics of molecular evolutions and the enzymes in industry
- Knowledge of utilizing aquatic plants for phytoremediation

2022 English Language- Eurodiastasi, Private Tutoring of Foreign Languages for Adults

- Michigan ECCE B2 with grade of: 86,37%

2017 - 2020 General High School of Palaiochora

- Basic highschool knowledge
- Grade: 19,9/20

SKILLS

- Very good command of English (Michigan ECCE B2) and basic knowledge of Spanish (Exams in 2027)
- Focused
- Agile
- Communicative
- Extroverted
- Teamwork
- Basic knowledge of excel, word, presentation
- Basic knowledge of computer programming (R/python)
- Discipline
- Determination
- Giving
- Active

REFERENCE LETTERS

Kotsyfakis Michalis – Principal Researcher at Institute of Molecular Biology and Biotechnology of the Foundation for Research and Technology Hellas (IMBB-FORTH)

- mich_kotsyfakis@imbb.forth.gr

Sarris Panagiotis – Associate Professor at University of Crete- Supervisor of the undergraduate thesis

- p.sarris@imbb.forth.gr

Katharios Pantelis – Senior researcher at Hellenic Centre of Marine Research and founder of Aquatic Biologicals- Supervisor of the undergraduate thesis

- katharios@hcmr.gr

Skouradaki Meltini - Microbiologist at Mitera Euromedica A.E. - Supervisor of the internship

- 0030 28210396- 718/722

ORAL PRESENTATIONS

September 2025 22nd International Conference on Diseases of Fish and Shellfish- Title: “In vivo pathogenesis studies in early-stage gilthead seabream (*Sparus aurata*) using GFP/RFP-tagged *Vibrio harveyi* (6955)”

SCIENTIFIC PUBLICATIONS

- Chalmoukis, C., Droubogiannis, S., Michalopoulou, V. A., Triga, A., Sarris, P. F., & Katharios, P. (2025). Development and Characterization of Fluorescent Protein-Tagged *Vibrio harveyi* Strains as a Versatile Tool for Studying Infection Dynamics and Strain Interactions. *Pathogens*, 14(3), 247.
<https://doi.org/10.3390/pathogens14030247> (Editor's Choice)

SCHOLARSHIPS AND GRANTS

September 2026 Bodossaki Foundation and Social and Cultural Affairs Welfare Foundation (KIKPE)

September 2025 Πρόγραμμα Χορήγησης υποτροφιών του Ιδρύματος Κρατικών Υποτροφιών σε μεταπτυχιακούς/ές φοιτητές/τριες των ΑΕΙ της Ελλάδας στο πλαίσιο του ΥΠΟΕΡΓΟΥ 1: «Πρόγραμμα χορήγησης υποτροφιών για τη συμμετοχή σε μεταπτυχιακά προγράμματα σπουδών»- “Granting of scholarships to Master students of Universities in Greece in the framework of subproject 1: “Program of granting scholarships for the participation in master programs for studies” for the academic year 2025-26

July 2025 «Πρόγραμμα χορήγησης υποτροφιών σε επιμελείς φοιτητές που ανήκουν σε Ευπαθείς Κοινωνικές Ομάδες (ΕΚΟ)»- “Program of granting scholarships to diligent students that belong to vulnerable social groups” of academic year 2021-2022 (State Scholarships foundation-IKY)

August 2024 Living donation “Zoi Dimitriadi” for the academic year 2023-2024 (University of Crete)

August 2024 Acquisition records from «AQUATIC BIOLOGICALS» (ΚΠ/33.6071201/190) for the research project: genetic transformation (molecular tagging) with fluorescent proteins of bacterial strains of the species *Vibrio harveyi*

October 2022- February 2023 Erasmus scholarship

FURTHER INFORMATION

January 2025- July 2025 Completion of mandatory military service

February 2022- Present Day Travelling abroad up to 10 countries of the European Union till now and using Couchsurfing most of the time for a place to stay and meet people.

September 2023- June 2024 Taekwondo Α.Σ ΑΓΩΓΗ. (blue belt)

July 2024 Volunteer at Matala Beach Festival

March 2023 Volunteer at Karteros Run

2017-2019 Taekwondo Α.Σ ΑΚΡΩΤΕΣ, Teacher assistant for some classes in Taekwondo

School projects about tree planting and cleaning of the beaches

Blood donor (O positive)