

STAVROULA

— MAKRI —

Biologist
Bioinformatician

Languages

- English - C2 (ECPE - University of Michigan)
- Greek - Native speaker

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[LinkedIn](#)

Thessaloniki, Greece

EDUCATION

○ **M.S. in Applications of Molecular Biology, Genetics, Diagnostic Biomarkers, University of Thessaly**

Sept 2020 – Sept 2022

Degree: 9.04

Postgraduate Thesis: “Predicting methylation sites of proteins using Machine Learning methods.”

Thesis Supervisor: Grigoris Amoutzias

○ **B.S. in Biology, Aristotle University of Thessaloniki**

Sept 2014 - June 2020

Degree: 7.21

Thesis: “ Research on the expression of the heat shock proteins and oxidative stress genes in the posterior adductor muscle of Mediterranean mussel *Mytilus gallorprovincialis* under high seawater temperatures.”

Thesis Supervisor: Basile Michaelidis – Eleni Drosopoulou

PROFESSIONAL EXPERIENCE

Bioinformatician

Jul 2023 – currently

○ **RATION, Laboratory of Plant and Environmental Biology, University of Thessaly, Greece**

Risk Assessment for microbial pesticides and microbiome solutions

Supervisor: Dimitrios Karpouzas

Research Trainee on Computational RNA Biology

Sep 2022 – Mar 2023

○ **Buchmann Institute for Molecular Life Sciences – BMLS, Frankfurt, Germany**

Optimising the peak-calling step for the iCLIP and miCLIP data analysis

Supervisor: Kathi Zarnack

Undergraduate Internship

Apr 2018 – May 2018

○ **Immunohistochemical Lab, Theageneio Anticancer Hospital, Thessaloniki, Greece**

Analysis of Immunohistochemical and Molecular Data of Urothelial Carcinoma

Supervisor: Basile Michaelidis

PUBLICATION

Feidantsis, K., Giantsis, I. A., Vratsistas, A., **Makri, S.**, Pappa, A. Z., Drosopoulou, E., Anestis, A., Mavridou, E., Exadactylos, A., Vafidis, D., & Michaelidis, B. (2020). Correlation between intermediary metabolism, Hsp gene expression, and oxidative stress-related proteins in long-term thermal-stressed *Mytilus galloprovincialis*. *American journal of physiology. Regulatory, integrative and comparative physiology*, 319(3), R264–R281. <https://doi.org/10.1152/ajpregu.00066.2020>

CONFERENCES

Presentation : **Makri S.**, Pappa N., Giantsis I.A., Drosopoulou E., Michaelidis B. (2019) Heat shock protein gene expression patterns in Mediterranean mussel exposed to elevated seawater temperature.: Proceedings of the 41st Scientific Congress of E.E.B.E., Katerini, 9-11 May 2019

Poster: **Makri S.**, Pappa N., Giantsis I.A., Drosopoulou E., Michaelidis B. (2018) Heat shock protein gene expression patterns in Mediterranean mussel exposed to elevated seawater temperature. HydroMediT2018: Proceedings of the 3rd International Congress on Applied Ichthyology & Aquatic Environment, Volos, Greece, 8-11 November 2018, pp. 610-611.

SKILLS

- Python, Perl, R
- Data analysis
- Machine Learning
- Neural Networks
- Reverse Transcription (cDNA Synthesis)
- Electrophoresis
- Western blot
- RNA-seq data analysis
- RNA extraction
- PCR amplification
- qPCR

REFERENCES

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Molecular Life Sciences
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