

## PERSONAL INFORMATION

**SURNAME:** PSOMA

**NAME:** ANTHI

**DATE OF BIRTH:** 12.09.1998

**PLACE OF RESIDENCE:** GIANNITSA

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## EDUCATION

- 11.2021 - MM.2022** Postgraduate student at the Graduate program “Molecular Biology and Biomedicine” (MBB), faculty of Biology and Medicine, University of Crete and IMBB-FORTH, Greece. Master thesis title: Exploring evolutionary conserved antifungal immune mechanisms in phagocytes.
- 01.2020- 10.2020** Undergraduate student at the Department of Biology, University of Crete, Greece. Bachelor thesis: “Study of the interaction between the viral protein HcPro and the Transcription elongation factor TFIIS”. Grade: 10 out of 10

## RESEARCH/WORKING EXPERIENCE

- 11.2021 - 2022** **Master student**  
M.Sc. Thesis on “Exploring evolutionary conserved antifungal immune mechanisms in phagocytes” at the Department of Clinical Microbiology and Microbial Pathogenesis, University of Crete, Greece, under the Supervision of PhD student Electra Nenedaki and Professor Doctor George Chamilos.
- 09.2021-10.2021** **Master student- Rotator**  
2 month traineeship on “Exploring the role of MARCO receptor in neonatal and adult cells upon GBS infection.”, at the laboratory of Clinical Chemistry (Division of Laboratory Medicine, School of Medicine, University of Crete), Greece, under the Supervision of PhD student Ioanna Lapi and Professor Christos Tsatsanis.
- 07.2021-08.2021** **Master student- Rotator**  
2 month traineeship on “Identify the role of Malvolio iron transporter in antifungal immunity in *Drosophila melanogaster*” at the Department of Clinical Microbiology and Microbial Pathogenesis, University of Crete, Greece, under the Supervision of PhD student Electra Nenedaki Professor Doctor George Chamilos.
- 05.2021 - 06.2021** **Master student- practice**  
2 month practice on “Clinical strains of *Klebsiella pneumoniae*.”, at the Department of Clinical Microbiology and Microbial Pathogenesis, University of Crete, Greece, under the Supervision of Assistant Professor Efi Scoulica.
- 02.2021 – 04.2021** **Master student- Rotator**

2 month traineeship (rotation) on “Study of the expression, isolation and the role of a bacterial oxidase from *Vibrio cholerae*” at the laboratory of Institute of Molecular Biology and Biotechnology, IMBB-FORTH, Greece, under the Supervision of Research Technician Maria Papadovasilaki and Professor Kyriacos Petratos.

**01.2020-10.2020**

**Undergraduate student**

Undergraduate training in the Laboratory of Plant biotechnology and microbiology (Institute of Molecular Biology and Biotechnology, IMBB-FORTH), Greece, under the Supervision of Post-Doctoral Researcher Glykeria Mermigka and Professor Panagiotis Sarris. Diploma thesis: “Study of the interaction between the viral protein HcPro and the Transcription elongation factor TFIIIS.”

**10.2019-12.2019**

**Undergraduate student**

Undergraduate training on the study of ‘Quantification of plant cell death by electrolyte leakage assay’ at the laboratory of Plant biotechnology and microbiology (Institute of Molecular Biology and Biotechnology, IMBB-FORTH), Greece, under the Supervision of Post-Doctoral Researcher Glykeria Mermigka and Professor Panagiotis Sarris.

**07.2019-10.2019**

**Undergraduate student**

Undergraduate training in a private microbiology lab, Giannitsa, Greece. Advisor: Prof. Paschoni Flora.

## CONFERENCES/WORKSHOPS/etc.

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- Participation in International Federation of Clinical Chemistry and Laboratory Medicine, 4-6.11.21, online.
- Participation in Hematology Conference of Central Greece, 'Emerging Therapeutic Options in Hematology', 5-6.02.21, online.
- Participation in the 31<sup>st</sup> annual conference, 'Developments in Cardiology', 29-30.01.21, online.
- Participation in the Live Webinar on Breast Cancer, 'from Prevention to Treatment', 01.21, online.
- Participation in webinar of Technology networks, 'Designing lipid nanoparticle systems for COVID-19 vaccines, 01.21, online.
- Participation in the Panhellenic Medical Conference 2020, 'Autoimmune, Autoinflammatory and Metabolic Diseases, 18-20.12.2020, online.
- Participation in the webinar 'Tumor Diagnostic era in oncology: NTRK solid tumors – Who, How, When? ', 15.12.20, online.
- Participation in the 2<sup>nd</sup> Panhellenic Conference on Pediatric Infections, 12-13.12.20, online.
- Participation in the Multiple Myeloma 2020-2021: from theory to practice, 11.12.20, online.
- Participation in the Webinar, 'Hypertension, Diabetes, Hematology in the era of Covid19 disease', 8.12.20, online.
- Participation in Webinar 'The Covid19 pandemic and its psychiatric forensic implications', 5.12.20, online.
- Participation in the 14<sup>th</sup> Oncology Conference 2020, 'Oncology meets other specialties', 4-5.12.20, online.
- Participation in the 9<sup>th</sup> Panhellenic Conference of the Hellenic Atherosclerosis Society, 3.12.20, online.
- Participation in the 3<sup>rd</sup> International Symposium of the company of Psychology of Adult and Child Psychiatry, 28.11.20, online.
- Participation in the 28<sup>th</sup> Meeting of the Hellenic Society for Neuroscience, 4-6/10/2019, ITE, Heraklion, Crete.
- Participation in the Panhellenic Conference Pediatric Days 2019, on 'Infections', 20-21.09.2019, at the Olympic Museum in Thessaloniki.
- Participation in the 2<sup>nd</sup> Panhellenic Conference of the Hellenic Society of the High Pancreas, 3-5.05.2019, at Makedonia Palace in Thessaloniki.
- Participation in the 27<sup>th</sup> Panhellenic Conference on Psychiatry, 18-21.04.2019, at Aquila Atlantis Megaron in Heraklion, Crete.
- Participation in the 1<sup>st</sup> Medical Scientific Debate of the University of Crete, 'Medical moral Dilemmas', 10.04.2019, at Medical School of Crete, in Heraklion.

## FOREIGN LANGUAGES

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| <b>2017</b> | English, C2 Michigan State university, Proficiency |
| <b>2014</b> | German, B2, Goethe-Zertifikat                      |

## TEACHING ACTIVITIES

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| <b>2021 - 2022</b> | Teaching assistance in undergraduate laboratories. University of Crete, Biology department, Greece |
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## TECHNICAL SKILLS

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- PCR
- Antimicrobial testing, Pathogen detection

- Immunology and hormones
- Urine Chemistry-Parasitology
- Special laboratory tests
- DNA extraction
- yeast two hybrid
- Qiagen-Ni-NTA chromatography
- Pulse Field Gel Electrophoresis
- Use of Sodium Dodecyl Sulphate-Poly Acrylamide Gel Electrophoresis
- Enzyme Activity Assays
- Transformation through electroporation and heat shock , electrocompetent bacterial cells
- Cultures: bacteria cells, primary monocytes
- Cloning
- Fluorescence-activated cell sorting
- Immunocytochemistry
- RNA extraction
- cDNA synthesis
- Real-time PCR
- Primer design
- Agroinfiltration
- Mouse handling (isolation of peritoneal macrophages from adult and neonatal mice)
- Western blot
- Flow cytometry (FACS analysis)
- Confocal microscopy
- Drosophila culture
- Drosophila dissection (larvae and adults)
- Drosophila immunostaining
- Fungi culture, fungi labeling