

CURRICULUM VITAE



Personal Information

Name: Theodorakis Emmanouil
Date of birth: 17 September 1998
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Education

- *September 2021 - July 2023* **M.Sc. in “Molecular Basis of Human Diseases”**
Department of Medicine, University of Crete
Grade: 9,70/10 (“Excellent”)
- *September 2017 - July 2021* **B.Sc. in Biology**
Department of Biology, University of Crete
Grade: 7,77/10 (“Very Good”)
Specialization: Biomolecular Sciences and Biotechnology
- *September 2013 – June 2016* **High School Diploma**
General Lyceum of Agios Myron
Grade: 18,1/20 (“Excellent”)

Research Work and Laboratory Experience

- *September 2024 – Currently* **PhD Candidate , Biology School University of Crete**
Laboratory of Genome (In)stability and Mammalian Physiology, Institute of Molecular Biology and Biotechnology, FORTH
Supervisor: Dr. George Garinis, Professor, Biology School University of Crete
- *November 2023 - February 2024* **Laboratory Assistant**
Laboratory of Anatomic Pathology, 401 General Military Hospital of Athens
Techniques: Tissue sectioning, H&E staining, Immunohistochemistry
- *October 2022 - July 2023* **M.Sc. Diploma Thesis**
Laboratory of Genome (In)stability and Mammalian Physiology, Institute of Molecular Biology and Biotechnology, FORTH
Supervisor: Dr. George Garinis, Professor, Biology School University of Crete
Title: “The role of DNA damage in age-related inflammation”
Grade: 10/10
Techniques: Handling mice, Isolation of bone-marrow derived macrophages (BMDMs), Isolation of T cells with beads, Cell culture, DNA and RNA extraction, PCR, q-PCR, Western Blot, Flow cytometry, Fluorescence-Activated Cell Sorting (FACS), Immunofluorescence, Confocal microscopy
- *July 2022 - September 2022* **Three-month laboratory experience (Rotation)**
Laboratory of Genome (In)stability and Mammalian Physiology, Institute of Molecular Biology and Biotechnology, FORTH
Supervisor: Dr. George Garinis, Professor, Biology School University of Crete
Techniques: Handling mice, Isolation of bone-marrow derived macrophages (BMDMs), Isolation of T cells with beads, Cell culture, DNA and RNA extraction, PCR, q-PCR,

Western Blot, Flow cytometry, Fluorescence-Activated Cell Sorting (FACS), Immunofluorescence, Confocal microscopy, ChIP

- *May 2022 - July 2022* **Three-month laboratory experience (Rotation)**
Laboratory of Immune Regulation and Tolerance, Biomedical Research Foundation of the Academy of Athens (BRFAA)
Supervisor: Dr. Themis Alissafi, Assistant Professor, Medical School National and Kapodistrian University of Athens
Techniques: Cell cultures, Handling and restraining mice, Mice anesthesia and injections, Isolation of tumors and lymph nodes, Flow Cytometry, Fluorescence-Activated Cell Sorting (FACS), Cytometry by time or flight (CyTOF), RNA isolation
- *July 2020 - August 2021* **Three-month laboratory experience and B.Sc. Diploma Thesis**
Laboratory of Translational Oncology, Medical School University of Crete
Supervisor: Dr. Ioannis Souglakos, Assistant Professor of Medical Oncology, Medical School University of Crete
Title: " Detection and comparison of circulating tumor cells and microbial DNA fragments in the blood of stage III colorectal cancer patients under three versus six months of adjuvant therapy with FOLFOX or CAPOX"
Grade: 10/10 ("Excellent")
Techniques: Cell cultures, Isolation of peripheral blood mononuclear cells (PBMCs), Immunofluorescence, Fluorescence microscopy and optical microscopy, DNA extraction, PCR, Spectrometry, Electrophoresis
- *July 2018* **Undergraduate Student Volunteer**
Laboratory of Clinical Chemistry-Biochemistry, University General Hospital of Heraklion (PAGNI)
Supervisor: Dr. Christos Tsatsanis, Professor of Clinical Chemistry, Medical School, University of Crete
Techniques: Calibration and use of automated biochemical analyzers, evaluation of biochemical examinations, evaluation of general urine examination and sperm diagram

Publications

- Koulouridi A, Messaritakis I, **Theodorakis E**, Chondrozoumaki M, Sfakianaki M, Gouvas N, Tsiaoussis J, Mavroudis D, Tzardi M, Souglakos J. Detection of Circulating Tumor Cells and Microbial DNA Fragments in Stage III Colorectal Cancer Patients under Three versus Six Months of Adjuvant Treatment. *Cancers (Basel)*. 2021 Jul 15;13(14):3552

Honors and Awards

- **1st best oral presentation** in 27th Greek Conference on Clinical Oncology "Detection of Circulating Tumor Cells and Microbial DNA Fragments in Stage III Colorectal Cancer Patients under Three versus Six Months of Adjuvant Treatment"

Certifications

- Certificate of Proficiency in English from Michigan State University (2014)
- Certificate of Pedagogy and Teaching Proficiency from School of Science, University of Crete (2023)

Extra studies, social activities and interests

- President of the Cultural Association of Voutes
- Good knowledge of computers
- Traditional dances, tennis and target shooting