

Emmanouil Iakovidis *Biologist, MSc*

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Education

- Sep 2015 – Oct 2020
Ioannina, Greece
Biologist, M.Sc.
Department of Biological Applications and Technologies, University of Ioannina
Grade: 7.15 / 10
Integrated Master's Programme leading to BSc, MSc degree
- Oct 2019 – Oct 2020
Ioannina, Greece
Diploma thesis
Foundation for Research and Technology-Biomedical Research Institute (FORTH-BRI)
Thesis Title: "Protective effect of extra-virgin olive oil: Towards developing a certification approach"
- Nov 2020 – Present
Ioannina, Greece
PhD Candidate
Department of Biological Applications and Technologies, University of Ioannina & Biomedical Research Institute, FORTH, Ioannina
"National network for the identification of the genetic basis of neurodegenerative diseases Alzheimer's and Parkinson's" within the Greek "Greece 2.0" National Recovery and Resilience Plan"

Research Experience

- Jan 2021 – Jun 2022
Ioannina, Greece
Foundation for Research and Technology Hellas-Biomedical Research Institute
Scientific staff
"The Protective Effect of a Diet with Cereals/Whole Grains against Cancer: Development of a Methodology for the Measurement of Phytochemicals and Assessment of their Activity",
"Overexpression of CXCL5 in human colon cancer cells is PIK3CA-mutation related and contributes to tumor growth and angiogenesis".
- Dec 2021 – May 2022
Ioannina, Greece
Foundation for Research and Technology Hellas-Biomedical Research Institute
Research Assistant
The Protective Effect of a Diet with Cereals/Whole Grains against Cancer: Development of a Methodology for the Measurement of Phytochemicals and Assessment of their Activity
- Aug 2024 – present
Ioannina, Greece
Foundation for Research and Technology Hellas-Biomedical Research Institute
PhD Candidate
"National network for the identification of the genetic basis of neurodegenerative diseases Alzheimer's and Parkinson's" within the Greek "Greece 2.0" National Recovery and Resilience Plan"

Publications

- Effect of Greek monovarietal olive oil-derived phenolic compounds on cancer cell growth,**
Emmanouil Iakovidis, et al., (manuscript under preparation)
- Overexpression of CXCL5 in human colon cancer cells is PIK3CA-mutation related and contributes to tumor growth and angiogenesis**
Anastasia Kougioumtzi, Emmanouil Iakovidis, et al., (manuscript under preparation)
- Effect of graphene and graphene oxide on Vascular cells**
Maria Markou,... Emmanouil Iakovidis,... et al., (manuscript under preparation)

Skills

Microscopy

Leica SP5 Confocal Microscopy, Leica Fluorescent Microscope

Cell Biology

Cell Culture (DLD1 cancer cells, HCT116 cancer cells, HEK 293, HUVEC, H1 hESCs, iPSCs cells, Smooth Muscle Cells, CD34+ differentiated cells), HUVEC isolation, IncuCyte Live cell analysis system

Molecular Biology

Plasmid preparation, Transformation, Transfection, Infection with lentiviruses, Genomic DNA extraction, RNA extraction, PCR, qRT-PCR

Detection of proteins and biomolecular targets

SDS-PAGE and Western Blot, Immunofluorescence

Computer skills

Operating System: MS Windows, macOS, Office applications: MS Office 2016 (Word, Excel, Powerpoint), Leica LAS X, Photoshop, Fiji-ImageJ, GraphPad Prism 10, AzureSpot, QuantityOne, IncuCyte ZOOM 2016B, Snapgene

Languages

English



Certificate of Proficiency in English (ECPE)

The University of Michigan

Participation in seminars / Congresses

Silver Wellbeing Scientific Conference "Med Diet and Metabolic Syndrome: Road to Longevity"

2021

Title: "Protective effect of Extra-Virgin Olive Oil on Cancer: Towards developing a certification approach"

Presenters: Sofia Bellou, Emmanouil Iakovidis

Member of the Hellenic Society of Biochemistry & Molecular Biology

since 2024

11th Young Scientists' Forum of the HSBMB

2024

Abstract title: "The Protective Action of the Mediterranean Diet Against Colon Cancer: The Contribution of Wheats / Whole Grains Cereals"

74th National Conference of the Hellenic Society of Biochemistry and Molecular Biology (HSBMB)

2024

Abstract title: "The Protective Action of the Mediterranean Diet Against Colon Cancer: The Contribution of Wheats / Whole Grains Cereals"

75th National Conference of the Hellenic Society of Biochemistry and Molecular Biology (HSBMB)

2025

Abstract title: "Modeling Vascular Dysfunction in Parkinson's Disease: The Role of LRRK2 G2019S in Endothelial Cells"

References

Theodore Fotsis, Dr. MD, FORTH-BRI

thfotsis@uoi.gr

Carol Murphy, Dr, FORTH-BRI

carolmurphy925@gmail.com, carol_murphy@bri.forth.gr