
Makrygiannaki Eirini

Address: Heraklion

Phone: +306942576377

Email: eirinimak95@gmail.com

Research experience

11/2024-Current

Research associate

Laboratory for Bio-photonics and Molecular Imaging (LBMI)-Institute of Electronic Structure and Laser (IESL)-FORTH

7/2022 -2/2024

Graduate Student Researcher

Computational Bio-medicine Laboratory (CBML)-Institute of Computer Science (ICS), FORTH, Heraklion

Thesis: "The role of PML in glioblastoma evolution"

Grade:10/10

Supervisor: Sakkalis Vaggelis, Principal Researcher, Computational Biomedicine Lab, ICS-FORTH

2/2019-9/2020

Undergraduate Student Researcher

Haemopoiesis Research Laboratory -University of Crete

Thesis: "Comparison of biological characteristics of mesenchymal/stem cells (MSCs) derived from Wharton Jelly before and after tissue cryopreservation"

Grade:10/10

Supervisor: Helen Papadaki, Professor of Haematology, University of Crete School of Medicine
Head of the Department of Haematology,
University Hospital of Heraklion

3/2016-7/2016

Internship Student

Institute of Electronic Structure and Laser (IESL)-FORTH

Thesis: Creation of polymer (PET) micro/nanostructured substrates using ultra-short laser pulses

Supervisor: Emmanuel Stratakis, Research Director, IESL-FORTH

Education

2021/9- 2024/4

Master of Science: Biomedical Engineering

University of Crete, Medicine School, Heraklion, Greece

Interdisciplinary Graduate Programme in Biomedical Engineering, organized by the faculty of Medicine and the departments of Computer Science, Materials Science, School of Electrical and Computer Engineering of Technical University of Crete and foundation OF Research and Technology – Hellas (FORTH)

2013-2020

Bachelor of Science: Materials Science and Technology

University of Crete, Heraklion, Greece

Languages

English language (ECPE-C2-Proficiency)

Participation in conferences

Abstracts/Posters

- **E. Makrigiannaki, AK.Batsali, HA.Papadaki "Comparison of biological characteristics of Mesenchymal Stem Cells derived from Wharton jelly before and after tissue cryopreservation".** Poster Session presented at:

- Maria Tampakaki, Eleftheria Tzamali, Giorgos Tzedakis, **Eirini Makrygiannaki**, Mikis Mylonakis, Evangelos Marakis, Giannis Zacharakis, Vangelis Sakkalis, Joseph Papamatheakis **“Brain cancer evolution under the prism of intra-tumoral heterogeneity”** Poster Session presented at: 18th European Molecular Imaging Meeting, 14-17 March,2023, Salzburg, Austria
- **Eirini Makrygiannaki**, M.Tampakaki, E.Tzamali, G.Zacharakis, K.Sidiropoulou. V.Sakkalis, J.Papamatheakis **“Modeling PML-mediated Glioblastoma Growth Dynamics: Insights from SpheroidBased Studies and Brain Tissue Slice Implantation”** Poster session presented at 2nd International Conference on Nanotechnologies and Bionanoscience,11-15 September,2023,Heraklion,Greece
- Maria Tampakaki, Eleftheria Tzamali, **Eirini Makrygiannaki**, Giorgos Tzedakis, Mikis Mylonakis, Evangelos Marakis, Kyriaki Sidiropoulou, Vangelis Sakkalis, Joseph Papamatheakis, Giannis Zacharakis **“A Tripartite Approach through In Vitro, Ex Vivo, and In Silico Modeling for Deeper Understanding of Glioblastoma”**,19th European Molecular Imaging Meeting (EMIM), 2024, Porto, Portugal
- **Eirini Makrygiannaki**, M.Tampakaki, E.Tzamali, V.Sakkalis, G.Zacharakis, , J.Papamatheakis **“PML-Driven Protrusions and Combinatorial Treatments: Insights into Glioblastoma Resistance Mechanisms”** Poster session presented at 20th European Molecular Imaging Meeting (EMIM), 2025 ,Bilbao ,Spain

Conferences Attended

- Competition at 10th Anniversary Conference of the Hellenic Society for Biomaterials Duration:26-28 November 2015
- Competition at the Regenerative Medicine Day/Medical school University of Crete Duration: 27 July,2022
- Competition at 2nd International Conference on Nanotechnologies and Bionanoscience 11-15 September 2023
- Competition at 20th European Molecular Imaging Meeting (EMIM),11-14 March 2025, Bilbao, Spain

Accreditations

FELASA ID: 051/15
Functions: A, B, C, D
Mice, Rats, Zebrafish

