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## ***Makrygiannaki Eirini***

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### **Research experience**

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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"*

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 "*

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**

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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**

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**English language (ECPE-C2-Proficiency)**

## **Participation in conferences**

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### *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:

Regenerative Medicine Day ,27 July 2022, Medical School University of Crete, Heraklion, Crete, Greece

- 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: 18<sup>th</sup> 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 2<sup>nd</sup> 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”**,19<sup>th</sup> European Molecular Imaging Meeting (EMIM), 2024, Porto, Portugal

## Conferences Attended

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- 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 2<sup>nd</sup> International Conference on Nanotechnologies and Bionanoscience 11-15 September 2023