

CURRICULUM VITAE

MAVRIDIS GEORGE

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Address: 37 Miltiadou Street, Paleo Faliro, Athens, Greece

Education:

February 2017-currently

- PhD candidate at the department of Biotechnology of the Agricultural University of Athens in collaboration with the Protein Chemistry Laboratory of Institute of Nuclear & Radiological Sciences and Technology, Energy & Safety of N.C.S.R. Demokritos. The scientific subject of doctoral research is "Biochemical and biophysical studies of protein molecules associated with the immune system". Scholarship for the implementation of doctoral research from Hellenic Foundation for Research and Innovation.

September 2013-September 2014

- Master of Science in Drug Discovery and Translational Biology College of Science and Engineering, School of Biological Sciences, University of Edinburgh, United Kingdom. Scholarship earned for tuition fees.

September 2006-December 2012

- Bachelor degree in Biotechnology, Department of Biotechnology of Agricultural University of Athens

Foreign languages:

- English: Certificate of Proficiency, University of Michigan
- French: Delf 1er et 2nd Degré

Soft skills: Microsoft Office Specialist for Microsoft Word, Excel and PowerPoint

Fulfilled military obligatory service: November 2014-August 2015

Work experience:

- **December 2018-Decmeber 2020:** Work contract with N.C.S.R. Demokritos for implementation of the scientific project: "production and characterization of the protein complex ERAP1/peptide/MHC-I.

- **January-September 2018:** Work contract with N.C.S.R. Demokritos for implementation of the scientific project: "Evaluation of synthetic chemical compounds which affects mechanisms of antigenic presentation".
- **January-July 2016:** Scientific representative of pharmaceutical company Farmaserve Lilly L.T.D., Athens, Greece

Laboratory experience:

- Expression of recombinant proteins from bacterial and eukaryotic cell expression systems.
- Protein purification by chromatographic methods (affinity, ion-exchange and size exclusion chromatography)
- Protein separation by the following biochemical methods: SDS-PAGE, Native PAGE, Western blot.
- Quantification of protein sample by using UV-Vis spectrometry (Bradford, bicinchoninic acid method, absorbance at 280 nm)
- Evaluation of thermodynamic and kinetic stability of proteins by using biophysical methods (differential scanning fluorimetry, circular dichroism and dynamic light scattering)
- Measurement of enzymatic activity and evaluation of enzyme inhibitors by UV-Vis spectrometry
- Peptide purification by reverse phase chromatography in HPLC.

Conference participation:

- 1st Spring meeting of young Researchers of The Hellenic Crystallographic Association, May 2017
- 68th Conference of the Hellenic Society of Biochemistry and Molecular Biology, November 2017
- 2nd Spring meeting of young Researchers of The Hellenic Crystallographic Association, May 2018
- 9th International Conference of The Hellenic Crystallographic Association, October 2018
- 3rd annual meeting of young Researchers of The Hellenic Crystallographic Association, July 2019