Name/Surname: Sofia Georgiou

Contact Details: sgeorgi@pharm.auth.gr; sofiageorgiou@uth.gr

Position: Post-Doctoral Researcher [Hellenic Foundation for Research and Innovation (H.F.R.I.)], title: Development of a novel CAR immunotherapy approach against oral cancer. Scientific Supervisors: Lefkothea C. Papadopoulou and Ioannis S. Pappas (2020-2022).

University Degrees:

PhD in Pharmacology and Therapeutics (Excellent 10) (June 2020), Department of Pharmacy, School of Health Sciences, A.U.Th., Greece.

MSc in Biotechnology and Molecular Diagnostics (Excellent, 9.16/10) (2011), Pharmacy, A.U.Th., Greece

Diploma of Biochemistry & Biotechnology (Excellent, 8.81/10) (2008), University of Thessaly, Greece

Teaching experience

Π.Δ. 407/80 (2022) and Academic Scholar (2021) Molecular and Cellular Biology, 2nd Semester of the pre-graduate studies, Department of Veterinary, University of Thessaly

Biochemistry and Molecular Biology, Cellular Biology, Microbiology, Professional Practice, Metropolitan College, Larissa (Oct. 2021-till now)

Biochemistry I and II in the Public Institute of Vocational Education (DIEK) (1st DIEK of Larissa) (Oct. 2020-Febr. 2022)

Awarded Grants and Fellowships:

1st ranking as concern as the degree mark at the time of graduation (18.7.2008)
Bodossaki Foundation Fellowship during the MSc studies
Onassis Foundation and Foundation for Education and European Culture (IPEP) Fellowships (PhD studies)

Other Languages: Proficiency in English (Michigan), Delf II (French Ministry of National Education)

Publications

Vasiliki-Dimitra C. Tsolaki, **Sofia K. Georgiou-Siafis**, Athina I. Tsamadou, Stefanos A. Tsiftsoglou, Martina Samiotaki, George Panayotou and Asterios S. Tsiftsoglou (2021) Intracellular Accumulation of Hemin and Identification of a Heme Binding Protein Clan in Human K562 CML cells by Biochemical, Proteomic and HemoQuest Computational Analysis, Journal of Cellular Physiology 1–26. DOI:10.1002/jcp.30595

Sofia K. Georgiou-Siafis, Martina K. Samiotaki, Vasilis J. Demopoulos, George Panayotou and Asterios S. Tsiftsoglou (2020) Formation of novel NAC and GSH-hemin adducts abrogates hemin-induced cytotoxicity and suppresses the NRF2-driven stress response in human pro-erythroid K562 cells, European Journal of Pharmacology, 173077 DOI: 10.1016/j.ejphar.2020.173077.

Sofia K. Georgiou-Siafis and Asterios S. Tsiftsoglou (2020) Activation of KEAP1/NRF2 stress signaling involved in the molecular basis of hemin-induced cytotoxicity in human pro-erythroid K562 cells, Biochemical Pharmacology, 175 113900 DOI:10.1016/j.bcp.2020.113900.

Sofia K. Georgiou and Asterios S. Tsiftsoglou (2016). Hemin transmits signals promoting high level transcriptional activation of heme oxygenase- 1, cystine/glutamate exchanger, CXC chemokines ligand 1 (CXCL1) and CXCL8 in human erythroleukemia K562 cells. FEBS JOURNAL, 283:40-40 doi:10.1111/febs.13805

Delis, C., Krokida, A., **Georgiou, S.**, Peña-Rodríguez, L. M., Kavroulakis, N., Ioannou, E., Roussis, V., Osbourn, A. E. and Papadopoulou, K. K. (2011), Role of lupeol synthase in Lotus japonicus nodule formation. New Phytologist, 189: 335–346. doi:10.1111/j.1469-8137.2010.03463.x