

Curriculum vitae

First name: Christiana-Stayroula

Last name: Magkrioti

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Working experience:

2012-2021: Post-doctoral researcher in Dr. Aidinis laboratory, Al.Fleming BSRC on the effect of the Autotaxin-lysophosphatidic axis 1) on lung cancer, both in mice and patient samples, 2) on acute lung injury (ALI) in mice and 3) on lung fibrosis. My work involves mice handling, breeding and genotyping, lung cancer / ALI / fibrosis model implementation, mice sacrifice, blood/tissue collection, lung tissue sectioning, measurements on the retrieved samples and data analysis as well as RNA isolation from human biopsies and enzymatic assays in human biological liquid samples. Moreover, I isolated primary fibroblasts and did experiments in both these cells and epithelial cell lines. Another big part of my current work includes preclinical studies of possible ATX inhibitors and their evaluation. My responsibilities also include data analysis, statistics, writing publications, both experimental and reviews, assisting the writing of grant applications and grant progress reports, meeting deadlines, guiding undergraduate students and following the literature.

Education:

2006-2011: Phd in Insect Molecular Biology in the laboratory of Molecular Genetics and Biotechnology, NCSR Demokritos under the supervision of Dr. K. Iatrou and Dr. V. Lampropoulou. Thesis Title: «Interactions between proteins of the endosymbiotic virus of the parasitoid Hymenoptera *Cotesia congregata* and lepidopteran immune proteins». Phd was awarded with excellency by the Biology Department of the University of Athens.

2004-2005: Msc by Research in Life Sciences, University of Edinburgh. Training in the Institute of Immunity and Infections under the supervision of Dr. Mutapi and in the Chemistry-Biotechnology Department, under the supervision of Dr. Dryden.

2000-2004: Undergraduate studies in the Biology Department of the University of Athens. Research project carried out in the Biophysics and Bioinformatics laboratory under the supervision of Professor Hamodrakas.

1994-2000: A' Arsakeio High School

Publications:

Magkrioti C, Kaffe E, Stylianaki EA, Sidahmet C, Melagraki G, Afantitis A, Matralis AN, Aidinis V Structure-Based Discovery of Novel Chemical Classes of Autotaxin Inhibitors.

Int J Mol Sci. 2020 Sep 23;21(19):7002. doi: 10.3390/ijms21197002.

Ninou I, Sevastou I, Magkrioti C, Kaffe E, Stamatakis G, Thivaos S, Panayotou G, Aoki J, Kollias G, Aidinis V.

Genetic deletion of Autotaxin from CD11b+ cells decreases the severity of experimental autoimmune encephalomyelitis.

PLoS One. 2020 Apr 2;15(4):e0226050. doi: 10.1371/journal.pone.0226050

Gerokonstantis DT, Nikolaou A, Magkrioti C, Afantitis A, Aidinis V, Kokotos G, Moutevelis-Minakakis P

Synthesis of novel 2-pyrrolidinone and pyrrolidine derivatives and study of their inhibitory activity against autotaxin enzyme.

Bioorg Med Chem. 2020 Jan 15;28(2):115216. doi: 10.1016/j.bmc.2019.115216.

Magkrioti C, Galaris A, Kanellopoulou P, Stylianaki EA, Kaffe E, Aidinis V.
Autotaxin and chronic inflammatory diseases.
J Autoimmun. 2019 Nov;104:102327. doi: 10.1016/j.jaut.2019.102327.

Kaffe E, Magkrioti C, Aidinis V.
Deregulated Lysophosphatidic Acid Metabolism and Signaling in Liver Cancer.
Cancers (Basel). 2019 Oct 23;11(11):1626. doi: 10.3390/cancers11111626.PMID: 31652837

Magkrioti C, Oikonomou N, Kaffe E, Mouratis MA, Xylourgidis N, Barbayianni I, Megadoukas P., Harokopos V, Valavanis C, Chun J, Kosma A, Stathopoulos GT, Bouros E, Bouros D, Syrigos K, Aidinis V
The Autotaxin – Lysophosphatidic Acid Axis Promotes Lung Carcinogenesis
Cancer Research, 2018 May 03, pii: canres.3797.2017. doi: 10.1158/0008-5472.CAN-17-3797

Ninou I[¶], Magkrioti C[¶], Aidinis V
[¶]equal contribution
Autotaxin in Pathophysiology and Pulmonary Fibrosis
Front. Med., June 2018 | Volume 5 | Article 180; <https://doi.org/10.3389/fmed.2018.00180>

Mouratis MA[¶], Magkrioti C[¶], Oikonomou N, Katsifa A, Prestwich GD, Kaffe E, Aidinis V.
[¶]equal authorship
Autotaxin and Endotoxin-Induced Acute Lung Injury.
PLoS One. 2015 Jul 21;10(7):e0133619. doi: 10.1371/journal.pone.0133619. eCollection 2015.

Magkrioti C and Aidinis V
Autotaxin and lysophosphatidic acid signalling in lung pathophysiology
World J Respirol. 2013 November 28; 3(3): 77-103; doi: 10.5320/wjr.v3.i3.77

Magkrioti C, Iatrou K, Labropoulou V
Differential inhibition of BmRelish1-dependent transcription in lepidopteran cells by bracovirus ankyrin-repeat proteins.
Insect Biochemistry and Molecular Biology 41 (2011) 993-1002

Labropoulou V, Douris V, Stefanou D, Magrioti C, Swevers L, Iatrou K
Endoparasitoid wasp bracovirus-mediated inhibition of hemolin function and lepidopteran host immunosuppression.
Cellular Microbiology (2008) **10**(10), 2118–2128

Reilly L, Magkrioti C, Mduluzza T, Cavanagh DR, Mutapi F
Effect of treating Schistosoma haematobium infection on Plasmodium falciparum-specific antibody responses.
BMC Infect Dis. 2008 Nov 17;8:158.

Magkrioti CK, Spyropoulos IC, Iconomidou VA, Willis JH, Hamodrakas SJ
CuticleDB: a relational database of Arthropod cuticular proteins.
BMC Bioinformatics. 2004 Sep 28;5:138

Conference Publications:

Magkrioti, C., Iatrou, K., Labropoulou, V. (2008). Interactions between proteins of the symbiotic polydnavirus CcBV of the endoparasitic wasp Cotesia congregata and proteins of the NFκB pathway in insect and mammalian cell lines. *FEBS JOURNAL* 275: 272-272 Suppl.1.

Labropoulou, V., Douris, V., Stefanou, D., Magkrioti, C, Andronopoulou, E., Swevers, L., Iatrou, K. (2007). The interaction of the *Cotesia congregata* bracovirus CcV1 protein with *Manduca sexta* hemolin. *J Insect Science* 7: 2007.

Scholarships:

Scholarship of excellence to post-doc fellows from the State Scholarships Foundation in collaboration with SIEMENS

HSBMB (Hellenic Society of Biochemistry and Molecular Biology) to join the 61st conference of the society

University of Edinburgh, MRes Bursary

University of Athens for good performance in the undergraduate studies

Eurobank for University admission

Eurobank for good performance in the secondary education