

Curriculum vitae

Personal data

Full name: Sophia Magkouta

Father's name: Fotios

Marital status: Single

Date of birth: 23/06/1981

Home address: 71 Iroon Polytechniou St, Elefsina, Athens

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STUDIES

1999	High school, Elefsina
2003	Biology degree, Department of Biology, National & Kapodistrian University of Athens, Greece
2005	MSc, "Microbial Biotechnology", Department of Biology, National & Kapodistrian University of Athens, Greece
2008	FELACA CATEGORY C for Laboratory Animal Science
2008	PhD, "effects of mastic oil, its constituents and its enzymatically modified derivatives in pathological angiogenesis", Medical School, National & Kapodistrian University of Athens, Greece
2012-2013	Certificate on Flow cytometry, Greek Society for Flow Cytometry

Experience- workshops

2002-2003	Diplomatic practice on Microbiology Department, Department of Biology, National & Kapodistrian University of Athens, Greece
2004	Workshop on Microbial Genomics, Department of Biology, National & Kapodistrian University of Athens, Greece
2004	Workshop on Bioinformatics, Foundation for Research and Technology, Crete, Greece
2003-2005	Diplomatic practice (MSc) on Microbiology Department, Department of Biology, National & Kapodistrian University of Athens, Greece
2008	International Course on Laboratory Animal Science, B.S.R.C Alexander Fleming–Vari, Greece
2005-now	PhD and post doc in GP Livanos and Marianthi

Simou Lab, 1st department of Critical Care and Pulmonary Service, Euangelismos Hospital, Medical School, National & Kapodistrian University of Athens, Greece

2013

Summer school on functional cytomics in clinical and translational research, 8-13 July, Medical school, University of Valencia, Spain

Posters-oral presentations in Congresses

2005 Magkouta S.F., Meintanis C., Sabbidis A, and Karagouni A.D. The chemolithotrophic bacteria of the Acropolis marbles."8th Symposium on bacterial genomics and ecology, Lyon, France.

2006 Sophia Magkouta, George Stathopoulos, Andreas Papapetropoulos, Charis Roussos and Heleni Loutrari IN VIVO INHIBITION OF TUMOR GROWTH AND ANGIOGENESIS BY MASTIC OIL from Pistacia Lentiscus variation Chia 58th Biochemistry and Molecular Biology Congress, Patras, Greece

2007 Sophia Magkouta, George Stathopoulos, Andreas Papapetropoulos, Fragiskos Kolisis, Charis Roussos and Heleni Loutrari CELLULAR AND MOLECULAR MECHANISMS ASSOCIATED WITH THE CHEMOPREVENTIVE ACTIVITY OF MASTIC OIL IN EXPERIMENTAL TUMOR GROWTH AND METASTASIS 58th Biochemistry and Molecular Biology Congress, Athens, Greece

Sophia Magkouta, Georgios Stathopoulos, Andreas Papapetropoulos, Charis Roussos and Heleni Loutrari IN VIVO INHIBITION OF TUMOR GROWTH AND METASTASIS BY MASTIC OIL: EVIDENCE FOR A TRANSCRIPTIONAL REGULATION THROUGH NF- κ B ACTIVITY CONTRO 11th State-of-the Art, Interdisciplinary Review Course on Pulmonary Diseases, Critical Care Emergency Medicine and Nursing Care, 2007, Athens, Greece, Abstract book #156, p. 111.

Sophia Magkouta, Andreas Papapetropoulos, Fragiskos N. Kolisis, Charis Roussos and Heleni Loutrari Mastic oil from Pistacia lentiscus variation chia suppresses metastasis of mouse B16 melanoma cells 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF - Athenaeum Intercontinental Athens Greece, 3-8 August 2008.

S. Magkouta, A. Pyriochou, A. Papapetropoulos, F.N. Kolisis, C. Roussos and H. Loutrari INHIBITION OF METASTASIS ON MOUSE LUNG ADENOCARCINOMA AND MELANOMA MODELS BY MASTIC OIL 7th International Symposium on Minimal Residual Cancer Research, 2009, Vari, Greece

2010 Kairi CA, Karabela SP, Moschos C, Magkouta S, Psallidas I, Roussos C, Zakynthinos SG, Kalomenidis I, and Stathopoulos GT Mast cells Recruitment to Malignant Pleural Effusions, 13th State-of-the Art, Interdisciplinary Review Course on Pulmonary Diseases, Critical Care Emergency Medicine and Nursing Care, Athens, Greece

Doris K, Karabela SP, Simoes DC, Magkouta S, Kairi CA, Roussos C, Zakynthinos SG, Kalomenidis I, and Stathopoulos GT Experimental asthma does not impact chemical lung carcinogenesis in mice 13th State-of-the Art, Interdisciplinary Review Course on Pulmonary Diseases, Critical Care Emergency Medicine and Nursing Care, Athens, Greece

Vazakidou ME, Magkouta S, Karabela S, Stratiki M, Papiris S, Kalomenidis I
An mTOR inhibitor retards malignant mesothelioma growth in vivo. 13th State-of-the Art, Interdisciplinary Review Course on Pulmonary Diseases, Critical Care Emergency Medicine and Nursing Care, Athens, Greece

C.A. Kairi, S.P. Karabela, C. Moschos, S. Magkouta, I. Psallidas, C. Roussos, S.G. Zakyntinos, I. Kalomenidis, G.T. Stathopoulos. Mast cells recruitment to malignant pleural effusions ERS, Barcelona, 2010

K. Doris, S. P. Karabela, D. C. Simoes, S. Magkouta, C. Kairi, C. Roussos, S. Zakyntinos, I. Kalomenidis, G. T. Stathopoulos Experimental asthma does not impact chemical lung carcinogenesis in mice, ERS, Barcelona, 2010

I. Psallidas, S. Magkouta, A. Pappas, C. Moschos, M.E. Vazakidou, C. Roussos, G. Stathopoulos, I. Kalomenidis Inhibition of osteopontin modulates tumor-stimulated immune response and suppresses mesothelioma progression, ERS, Vienna, 2012

Participation in European Research Programmes

2003-2004 European programme “Actapharm. Novel sources of actinomycete diversity and detection of antimicrobial agents with pharmaceutical applications”

2004-2005 Greek programme of Ministry of Culture for the study of microbial communities on Acropolis' marbles.

2005-2008 PENED 2003 'Development and application of biocatalytic processes for the upgrade of value of chios masticha and its constituents concerning its role in pathological angiogenesis' co-funding of General Secretariat for Research and Technology and European union and Chios Mastic producers

2009 Greek programme 'Role of mTOR in pathogenicity of malignant pleural effusions. Treatment potentials'

2012 European Research Council Starting Independent Investigator Research Grant 2010 (FP7-IDEAS-ERC-StG-2010-#260524-KRASHIMPE, 2011-2016).

Languages

English (Certificate of Proficiency, Cambridge, 1996)

Publications

Vazakidou ME, Magkouta S, Moschos C, Kalomenidis I. mTOR inhibition does not prevent lung adenocarcinoma-induced malignant pleural effusion. *Respirology*. 2013 Jul doi:10.1111/resp.12151.

Psallidas I, Stathopoulos GT, Maniatis NA, Magkouta S, Moschos C, Karabela SP, Kollintza A, Simoes DC, Kardara M, Vassiliou S, Papiris SA, Roussos C, Kalomenidis I. Secreted phosphoprotein-1 directly provokes vascular leakage to foster malignant pleural effusion. *Oncogene*. 2013 Jan 24;32(4):528-35.

Kollintza A, Magkouta S, Psallidas I, Moschos C, Stratiki M, Esquerda A, Porcel JM, Kalomenidis I. IL-17A is involved in bacteria-related acute pleural inflammation. *Respirology*. 2012 Dec 12. doi: 10.1111/resp.12030.

Karabela SP, Kairi CA, Magkouta S, Psallidas I, Moschos C, Stathopoulos I, Zakyntinos SG, Roussos C, Kalomenidis I, Stathopoulos GT. Neutralization of tumor necrosis factor bioactivity

ameliorates urethane-induced pulmonary oncogenesis in mice. *Neoplasia*. 2011 Dec;13(12):1143-51.

Heleni Loutrari, Sophia Magkouta, Andreas Papapetropoulos and Charis Roussos Mastic Oil Inhibits the Metastatic Phenotype of Mouse Lung Adenocarcinoma Cells *Cancers* 2011, 3(1), 789-801

Psallidas I, Karabela SP, Moschos C, Sherrill TP, Kollintza A, Magkouta S, Theodoropoulou P, Roussos C, Blackwell TS, Kalomenidis I, Stathopoulos GT. Specific effects of bortezomib against experimental malignant pleural effusion: a preclinical study. *Mol Cancer*. 2010 Mar 10;9:56.

Xanthakis E, Theodosiou E, Magkouta S, Stamatis H, Loutrari H. Enzymatic transformation of flavonoids and terpenoids: structural and functional diversity of the novel derivatives. *Pure and applied chemistry A*. 2010: 82, 1-16

Magkouta S, Stathopoulos GT, Psallidas I, Papapetropoulos A, Kolisis FN, Roussos C, Loutrari H. Protective effects of mastic oil from *Pistacia lentiscus* var. *chia* against experimental growth of lewis lung carcinoma. *Nutr Cancer*. 2009;61(5):640-8.

Xanthakis, E, Magkouta S, Loutrari H, Stamatis H, Roussos C and Kolisis FN. Enzymatic synthesis of perillyl alcohol derivatives and investigation of their antiproliferative activity. *Biocatalysis and Biotransformation* (2009) 27 (3):170-178

Stathopoulos GT, Moschos C, Loutrari H, Kollintza A, Psallidas I, Karabela S, Magkouta S, Zhou Z, Papiris SA, Roussos C, Kalomenidis I. Zoledronic acid is effective against experimental malignant pleural effusion. *Am J Respir Crit Care Med*. 2008 Jul 1;178(1):50-9.

Loutrari H, Magkouta S, Pyriochou A, Koika V, Kolisis FN, Papapetropoulos A, Roussos C. Mastic oil from *Pistacia lentiscus* var. *chia* inhibits growth and survival of human K562 leukemia cells and attenuates angiogenesis. *Nutr Cancer*. 2006;55(1):86-93.