

## PERSONAL INFORMATION

**SURNAME:** MAGKOUTA  
**NAME:** SOPHIA  
**DATE OF BIRTH:** 23/06/1981  
**PLACE OF RESIDENCE:** ELEFSINA ATTIKI  
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**Current position:** *a. postdoctoral fellow 1<sup>st</sup> dpt of Critical Care & pulmonary service, Athens Medical school, National and Kapodistrian University of Athens, Greece*  
*b. Academic fellow of Nursery School, University of Thessaly, Greece responsible for Clinical Biochemistry, Clinical Microbiology of infectious diseases and Genetics lessons.*

## EDUCATION

2012-2013 Diploma on Flow cytometry analysis, ESCCA  
2009 PhD National & Kapodistrian University of Athens, Medical School  
2008 FELACA CATEGORY C for Laboratory Animal Science  
2005 MSc, "Microbial Biotechnology", Biology Dpt, National & Kapodistrian University of Athens  
2003 Biology degree, Biology Dpt, National & Kapodistrian University of Athens

## PUBLICATIONS

Magkouta SF, Pappas AG, Vaitsi PC, Agioutantis PC, Pateras IS, Moschos CA, Iliopoulou MP, Kosti CN, Loutrari HV, Gorgoulis VG, Kalomenidis IT. MTH1 favors mesothelioma progression and mediates paracrine rescue of bystander endothelium from oxidative damage. *JCI Insight*. 2020 18;5(12):e134885. doi:10.1172/jci.insight.134885.

Tsolaki V, Zarogiannis S, Zygoulis P, Kalomenidis I, Jagirdar R, Makris D, Daniil Z, Magkouta S, Triantafyllou I, Papanikolaou J, Gourgoulis KI, Zakyntinos E. Malignant mesothelioma cells secrete natriuretic peptides: Data and diagnostic clinical implications. *Respirology*. 2020. doi: 10.1111/resp.13788

Giopanou I, Kanellakis NI, Giannou AD, Lilis I, Marazioti A, Spella M, Papaleonidopoulos V, Simoes DCM, Zazara DE, Agaloti T, Moschos C, Magkouta S, Kalomenidis I, Panoutsakopoulou V, Lamort AS, Stathopoulos GT, Psallidas I. Osteopontin drives KRAS-mutant lung adenocarcinoma. *Carcinogenesis*. 2019 Nov 19. pii: bgz190. doi: 10.1093/carcin/bgz190.

Kerdidani D, Magkouta S, Tsoumakidou M. Emphysema assessment for personalized immunotherapy response prediction in lung cancer patients. *J Thorac Dis*. 2019;11(Suppl 15):S2034-S2035. doi: 10.21037/jtd.2019.08.98.

Apostolos G, Pappas, Sophia Magkouta, Ioannis S. Pateras, Ioannis Skianis, Charalampos Moschos, Maria Eleni Vazakidou, Katherina Psarra, Vassilis G. Gorgoulis & Ioannis Kalomenidis (2019) Versican modulates tumor-associated macrophage properties to stimulate mesothelioma growth, *OncoImmunology*, 8:2, DOI: 10.1080/2162402X.2018.1537427

Magkouta S, Kollintza A, Moschos C, Spella M, Skianis I, Pappas A, Vazakidou ME, Stathopoulos G, Kalomenidis I. Role of angiopoietins in mesothelioma progression. *Cytokine*. 2018 pii: S1043-4666(18)30341-7. doi: 10.1016/j.cyto.2018.08.006.

Kerdidani D, Magkouta S, Chouvardas P, Karavana V, Glynos K, Roumelioti F, Zakyntinos S, Wauters E, Janssens W, Lambrechts D, Kollias G, Tsoumakidou M. Cigarette Smoke-Induced Emphysema Exhausts Early Cytotoxic CD8+ T Cell Responses against Nascent Lung Cancer Cells. *J Immunol*. 2018 Sep 1;201(5):1558-1569. doi: 10.4049/jimmunol.1700700.

- Magkouta S, Pappas A, Pateras IS, Kollintza A, Moschos C, Vazakidou ME, Karavana V, Gorgoulis VG, Kalomenidis I. Targeting Tie-2/angiopoietin axis in experimental mesothelioma confers differential responses and raises predictive implications. *Oncotarget*. 2018 24;9(31):21783-21796. doi: 10.18632/oncotarget.25004.
- Magkouta S, Pappas A, Moschos C, Vazakidou ME, Psarra K and Kalomenidis I. Icmt inhibition exerts anti-angiogenic and anti-hyperpermeability activities impeding malignant pleural effusion. *Oncotarget*; 2016 DOI: 10.18632/oncotarget.7912
- Vazakidou ME, Magkouta S, Moschos C, Psallidas I, Pappas A, Psarra K, Kalomenidis I. Temsirolimus targets multiple hallmarks of cancer to impede mesothelioma growth in vivo. *Respirology*. 2015 Aug 5.
- Skouras VS, Magkouta SF, Psallidas I, Tsilioni I, Maragozidis P, Gourgoulis KI, Kalomenidis I. Interleukin-27 improves the ability of adenosine deaminase to rule out tuberculous pleural effusion regardless of pleural tuberculosis prevalence. *Infect Dis (Lond)*. 2015 Jul;47(7):477-83.
- Kouritas VK, Magkouta S, Zisis C, Psallidas I, Gourgoulis KI, Kalomenidis I. Paracetamol and ibuprofen block hydrothorax absorption in mice†*Eur J Cardiothorac Surg*. 2014 Jun 4. pii: ezu211
- Vazakidou ME, Magkouta S, Moschos C, Kalomenidis I. Mammalian target of rapamycin (mTOR) inhibition does not prevent lung adenocarcinoma-induced malignant pleural effusion. *Respirology*. 2014 19(2):290-2.
- 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.
- Marazioti A, Kairi CA, Spella M, Giannou AD, Magkouta S, Giopanou I, Papaleonidopoulos V, Kalomenidis I, Snyder LA, Kardamakis D, Stathopoulos GT. Beneficial impact of CCL2 and CCL12 neutralization on experimental malignant pleural effusion. *PLoS One*. 2013;8(8):71207.
- 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*. 2013 Apr;18(3):488-9
- 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* variation 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.

#### **Fellowships-participation in national and international scientific programs**

**2019-2020** 'Acquisition of academic teaching experience in young scientists PhD holders in Educational Institutions' Partnership Agreement for the Development Framework 2014-2020

**2017-now** Research award for (15000 euro) from Hellenic Thoracic Society

**2017-2018** Foundation of National Scholarships (IKY): Postdoctoral research scholarship

**2015-now** European program "Insight Flu002, FLU003 and FLU003 plus"

**2012-2014** European Research Council Starting Independent Investigator Research Grant 2010 (FP7-IDEAS-ERC-StG-2010-#260524-KRASHIMPE, 2011-2016). Post doc fellowship,

**2011** Research award (15000 euro) from Hellenic Thoracic Society.

**2009-2011** Greek program "Financial support of research, educational and scientific activities "

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

**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

#### **Awards**

1. Best oral presentation in pleural disease. 28th Annual Congress of the Hellenic Thoracic Society. 2018

2. Research award for 'Role of CSF1R inhibitor in mesothelioma treatment' (15000 euro) from Hellenic Thoracic Society. 2017

3. Best abstract in pleural disease. 2016. 25th Annual Congress of the Hellenic Thoracic Society

4. Best publication in Pneumonology of the year 2012. Best abstract in pleural disease, 19th Annual Congress of the Hellenic Thoracic Society. 2010

5. Research award for 'The role of angiopoietins -1 and -2 in malignant mesothelioma' (15000 euro) from Hellenic Thoracic Society. 2011

6. Best Abstract of the Congress. 20th Annual Congress of the Hellenic Thoracic Society. 2011