

CURRICULUM VITAE

February 2021



PERSONAL INFORMATION

NAME: Heleni Loutrari
NATIONALITY: Greek
FAMILY STATUS: Married, two children

PERMANENT POSITION: Laboratory Teaching Staff, School of Medicine, National and Kapodistrian University of Athens

ORCID iD: <https://orcid.org/0000-0001-9724-1334>

PROFESSIONAL ADDRESS: 1st Department of Critical Care Medicine & Pulmonary Services, School of Medicine, Evangelismos Hospital, 3 Ploutarchou Street, 10675, Athens, Greece

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FOREIGN LANGUAGES: English (Cambridge Proficiency) – French (Sorbonne II)

ACADEMIC QUALIFICATIONS

1987: Bachelor Degree in Biology, Dept. of Biology, National and Kapodistrian University of Athens (NKUA)
1993: PhD in Biology, Dept. of Biology, School of Sciences, NKUA

TOPICS OF RESEARCH INTERESTS

- Angiogenesis-Inflammation in the context of pathological conditions (cancer, cardiovascular and respiratory diseases, disorders related to the dysbiosis of human microbiome)
- Study of natural or synthetic bioactive compounds for the development of innovative chemoprotective and/or therapeutic agents
- Systems Biology (-omics technologies / bioinformatics data analysis) – Pharmacogenomics- Systems Pharmacology - Precision medicine

PROFESSIONAL APPOINTMENTS

1986-1987: Undergraduate student in preparation of diploma thesis entitled "Enzyme immobilization techniques – Kinetics of immobilized enzymes" Center for Biological Research and Biotechnology, National Research Foundation.

1987-1988: Research fellow, Department of Biochemistry, Hellenic Pasteur Institute, project title "Study of Myasthenia Gravis and acetylcholine receptor using monoclonal antibodies"

1988-1993: PhD student, thesis title: "Immunochemical and Molecular Analysis of the Acetylcholine Receptor and Myasthenia Gravis", supervisor Dr Socrates Tzartos, Department of Biochemistry, Hellenic Pasteur Institute

1989-1990: Pre-doctoral Research Fellow in Department of Cellular and Molecular Physiology, School of Medicine, Yale University

1993-1995: Post-doctoral Researcher in Biotechnology Department, Hellenic Pasteur Institute

1994: Visiting Post-doctoral Researcher in Moredun Research Institute (Edinburgh, UK)

1995-1996: Post-doctoral Researcher in Biochemistry Department, Hellenic Pasteur Institute

1996-2004: Research Associate in Biotechnology laboratory, School of Chemical Engineering, National Technical University of Athens (NTUA)

2004-2014: Research Associate-Group Leader, "G.P. Livanos and M. Simou Laboratories", 1st Department of Critical Care and Pulmonary Services, Evangelismos Hospital, School of Medicine, NKUA

2011-2012: Head of the Laboratory of Cytogenetics and Molecular Biology, Evangelismos Hospital

2014 - : Member of Laboratory Teaching Staff (A' grade), 1st Department Critical Care and Pulmonary Services, Evangelismos Hospital, School of Medicine, NKUA

2018 - : Legal Responsible of Facilities and Operation of the Animal Research Unit of Evangelismos Hospital (P.D. 56/2013)

FELLOWSHIPS

1988 1993: PhD Scholarship from the Hellenic Pasteur Institute

1989 1990: Scholarship from the US National Institutes of Health (NIH) (grant NS21714) for training in the laboratory of Prof. T. Claudio, Department of Cellular and Molecular Physiology, Yale University School of Medicine. Project title: "Stable expression of acetylcholine receptor genes in transformed fibroblasts. Use of transformed fibroblasts expressing *Torpedo*-mouse acetylcholine hybrid receptors for the analysis of sera from myasthenic patients".

1992: Scholarship from the French Embassy for participation in the laboratory seminar entitled: "Cours de Genie Genetique: PCR, clonage, sequencage and expression of genes in eucaryotes cells", Pasteur Institute, August-September, 1992, Paris, France

1993: Scholarship from the United Nations Industrial Development Organization (UNIDO) for young postdoctoral scientists to participate in the laboratory seminar "Molecular biology and diagnosis of human chlamydial infections", July 1993, Trieste, Italy

1999-2000: Scholarship of the State Scholarships Foundation (IKY) for postdoctoral research in Greece in the field of Natural Sciences-Biotechnology. Project title: "Production of catalytic antibodies with the ability to selectively hydrolyze amides and peptides".

PARTICIPATION IN FUNDED RESEARCH PROGRAMS

1993-1995: M.O.P "Study of Abortive Chlamydiosis-Development of diagnostic tools" and AIR-CT93-0957: "Development and application of better detection systems for chlamydial infections of livestock and zoonotic infections of man", Post-doctoral Researcher, Biotechnology Department, Hellenic Pasteur Institute

1996-1998: AIR3-CT94-2060: "New strategies for the development of integrated processes for the generation of compounds with flavoring and/or other functional properties from natural material", Research Associate, Biotechnology Laboratory, School of Chemical Engineering, NTUA

1998-2002: TMR-COSSAC-ERBFMRXCT 980193: "Production of catalytic antibodies with amide and peptide hydrolyzing activity", Research Supervisor, Biotechnology Laboratory, School of Chemical Engineering, NTUA

2005-2008: PENED/167: "Development and application of biocatalytic processes to improve mastic oil and its compounds as food additives with

angiogenesis preventive properties", Research Supervisor-Senior Researcher, 1st Department of Critical Care and Pulmonary Services, Evangelismos Hospital, School of Medicine, NKUA

2006-2008: PAVET 05ΠAB281: «Development of novel enzymatically produced derivatives from plant compounds with improved anti-angiogenic activity». Research Supervisor-Senior Researcher, 1st Department of Critical Care and Pulmonary Services, Evangelismos Hospital, School of Medicine, NKUA

2011-2015: National action «CO-OPERATION» sub-action II: «Large Scale Cooperative Projects 09 ΣΥΝ-21-1078: Development of novel angiogenesis-modulating pharmaceuticals by screening of natural compounds and synthetic analogues, Research Supervisor-Senior Researcher, 1st Department of Critical Care and Pulmonary Services, Evangelismos Hospital, School of Medicine, NKUA

2013-2015: FENCO-NET Funding Organisation Forum 230433 (EU) “Novel techniques for seabed monitoring of CO₂ leakage and monitoring campaigns based on reservoir, cap rock and overburden migration models “. Senior Researcher, 1st Department of Critical Care and Pulmonary Services, Evaggelismos Hospital, School of Medicine, NKUA in collaboration with School of Chemical Engineering, NTUA

2014-2015: Grant from John S.Latsis Foundation “Identification of natural inhibitors of human hepatocellular carcinomas using a systems biology approach”. Research Supervisor-Senior Researcher, 1st Department of Critical Care and Pulmonary Services, Evangelismos Hospital, School of Medicine, NKUA in collaboration with School of Mechanical Engineering, NTUA

2014-2021: Operational Program "Competitiveness, Entrepreneurship, Innovation" - EPAnEK project 5298 "Synthetic biology: from omics technologies to genomic engineering (OMIC-ENGINE)". Participation as Senior Researcher -Supervisor in collaboration with the Department of Biochemistry and Biotechnology of the University of Thessaly and the School of Chemical Engineering of NTUA. Seed Project title “RNA-seq data analysis of stimulated hepatocellular carcinoma cells treated with epigallocatechin gallate and fisetin reveals target genes and action mechanisms”

TEACHING EXPERIENCE

- **2016** - : Contributing in teaching the undergraduate selection course "Biology of Cancer ", Sector of Basic Medical Sciences, School of Medicine, NKUA
- **2018** - : Contributing in teaching the laboratory exercises of the mandatory undergraduate courses "Biology I" (1st semester) and "Biology II-Genetics" (2nd semester), Sector of Basic Medical Sciences, School of Medicine, NKUA
- **2017** - : Teaching the postgraduate modules "Research Methodology" (1st semester) and "Obstructive Sleep Apnea: Molecular Mechanisms-Biomarkers-Genetics" (2nd semester) in the framework of the Postgraduate Program "Respiratory Disorders in Sleep - Laboratory and Clinical Medicine of Sleep", School of Medicine, EKPA
- **2017** - : Teaching the postgraduate course "Research Methodology" (1st semester) in the framework of the Postgraduate Program "Cardiopulmonary Rehabilitation and Rehabilitation of ICU Patients", School of Medicine NKUA
- **2017** - : Teaching through a distance-learning platform the course "Biomedical Technology/Red Biotechnology" (first semester, full responsible) and "Applied Biotechnology" (second semester, co-teaching) in the frame of the Postgraduate Program "Ms in Bioeconomy: Biotechnology and Law" , taught in English, organized by the School of Economics, Management and Law of the International University of Greece

SUPERVISION OF RESEARCH WORK

- Supervision of undergraduate students in the context of diploma thesis (total 15)
- Participation in the three-member committee for the supervision of the dissertation and training of postgraduate students (total 30) in the frame of the Postgraduate Programs: a. "Intensive Care Units and Emergency Nursing", Medical School, NKUA and Department of Nursing University of West Attica, b. "Respiratory Disorders in Sleep-Laboratory and Clinical Medicine of Sleep", Medical School, NKUA, c. "Design and development of new pharmaceutical compounds - direction of pharmaceutical chemistry" Department of Pharmacy NKUA, and d. "Ms in Bioeconomy: Biotechnology and Law", School of Economics, Management and Law, International University of Greece
- Laboratory training and research supervision of PhD candidates of Medical School, NKUA and School of Chemical Engineering, NTUA (total 7)
- Supervision of junior postdoctoral researchers in the context of research projects (total 5)

MEMBERSHIP IN SCIENTIFIC SOCIETIES

- Hellenic Society of Biochemistry and Molecular Biology (EEBMB)

- Panhellenic Association of Life Scientists (ΠΕΒ)

REVIEWER-EDITOR IN SCIENTIFIC JOURNALS

- **Reviewer** (indicative journals): Nutrition and Cancer, The Journal of Pharmacology and Experimental Therapeutics, British Journal of Pharmacology, PLOS ONE, Computational and Structural Biotechnology Journal, European Journal of Medicinal Chemistry, Journal of Medicinal Chemistry, Cancers
- **Invited Editor** (guest editor) of the journal *Methods and Protocols*, MDPI (ISSN: 2409-9279) for the **Special Issue "RNA-Seq: Data Analysis Methods and Applications"**

PUBLICATIONS (Peer-reviewed journals)
h-index: 16, citations: 765 (source: Scopus)

Agioutantis PC, Loutrari H., Kolisis FN. Computational Analysis of Transcriptomic and Proteomic Data for Deciphering Molecular Heterogeneity and Drug Responsiveness in Model Human Hepatocellular Carcinoma Cell Lines *Genes* 2020, 11, 623 <https://doi.org/10.3390/genes11060623>

Agioutantis PC, Kotsikoris V, Kolisis FN, Loutrari H. RNA-seq data analysis of stimulated hepatocellular carcinoma cells treated with epigallocatechin gallate and fisetin reveals target genes and action mechanisms. *Comput Struct Biotechnol J.* 18:686-695. eCollection 2020. <https://doi.org/10.1016/j.csbj.2020.03.006>

Magkouta, S., Pappas, A.G., Vaitsi, P., Agioutantis, P., Pateras, I.S., Moschos, C., Iliopoulou, M., Kosti, C., Loutrari, H., Gorgoulis, V.G., Kalomenidis, I. Mth-1 favors mesothelioma tumor cell survival and mediates paracrine rescue of bystander endothelium from oxidative damage. *JCI Insight* 2020, 5(12):e134885 <https://doi.org/10.1172/jci.insight.134885>.

Michailidou, M., Giannouli, V., Kotsikoris, V., Papadodima, O., Kontogianni, G., Kostakis, I.K., Lougiakis, N., Chatziioannou, A., Kolisis, F.N., Marakos, P., Pouli, N. and Loutrari, H (2016). Novel pyrazolopyridine derivatives as potential angiogenesis inhibitors: Synthesis, biological evaluation and transcriptome-based mechanistic analysis. *European Journal of Medicinal Chemistry*, 4: 121:143-57. <https://doi.org/10.1016/j.ejmech.2016.05.035>

Michailidou, M., Melas, I., Messinis, D., Klamt, S., Alexopoulos, L., Kolisis, F.N. and Loutrari, H. (2015). Network-based analysis of nutraceuticals in human hepatocellular carcinomas reveals mechanisms of chemopreventive action *CPT Pharmacometrics Syst. Pharmacol.* 4: 350–361. <https://doi.org/10.1002/psp4.40>

Valavanis, I., Goudas, T., Michailidou, M., Maglogiannis, I., **Loutrari, H.** and Chatziioannou, A. (2015). A novel image analysis methodology for the evaluation of angiogenesis in matrigel assays and screening of angiogenesis-modulating compounds in Artificial Intelligence Applications and Innovations Volume 458 of the series **IFIP Advances in Information and Communication Technology** pp 61-71. https://doi.org/10.1007/978-3-319-23868-5_5

Loutrari, H., Magkouta, S., Papapetropoulos, A. and Roussos, C. (2011) Mastic Oil Inhibits the Metastatic Phenotype of Mouse Lung Adenocarcinoma Cells. **Cancers**, 3, 789-801. <https://doi.org/10.3390/cancers3010789>

Theodossiou, E., **Loutrari, H.**, Stamatis, H. Roussos C, Kollis FN. (2011), Biocatalytic synthesis and antitumor activities of novel silybin-acylated derivatives with dicarboxylic acids. **N Biotechnol.** 28(4):342-8. <https://doi.org/10.1016/j.nbt.2011.01.006>

Morbidelli, L., Pyriochou, A., Filippi, S., Vassiliades, Y., Roussos, C., **Loutrari, H.**, Giannis, A., Stössel, A., Ziche, M. and Papapetropoulos, A. (2010). The soluble guanylyl cyclase inhibitor NS-2028 reduces vascular endothelial growth factor-induced angiogenesis and permeability. **Am J Physiol Regul Integr Comp Physiol.**, 298(3):R824-32. <https://doi.org/10.1152/ajpregu.00222.2009>

Xanthakis, E., Theodossiou, E., Magkouta, S., Stamatis, H., **Loutrari, H.**, Roussos, C. and Kollis, F.N. (2010). Enzymatic transformation of flavonoids and terpenoids: Structural and functional diversity of the novel derivatives. **Pure and Applied Chemistry**, 82: 1-16 <https://doi.org/10.1351/PAC-CON-09-01-19>

Moulos, P. Papadodima, O., Chatziioannou, A., **Loutrari, H.**, Roussos C and Kollis, F.N. (2009). A transcriptomic computational analysis of mastic oil-treated Lewis lung carcinomas reveals molecular mechanisms targeting tumor cell growth and survival **BMC Med Genomics**, 2:68. <https://doi.org/10.1186/1755-8794-2-68>

Magkouta, S., Stathopoulos, G.T., Psallidas, I., Papapetropoulos, A., Kollis, F.N., Roussos, C. and **Loutrari, H.** (2009). Protective effects of mastic oil from *Pistacia lentiscus* variation *chia* against experimental growth of Lewis Lung Carcinoma. **Nutrition & Cancer**, 61(5): 640-648. <https://doi.org/10.1080/01635580902825647>

Theodossiou, E., Katsoura, M.H., **Loutrari, H.**, Purchartova, K., Kren, V., Kollis, F.N. and Stamatis, H. (2009). Enzymatic preparation of acylated derivatives of silybin in organic and ionic liquids media and evaluation of their anti-tumor proliferative activity. **Biocatalysis and Biotransformations**, 27: 161 – 169 <http://dx.doi.org/10.1080/10242420902937777>

Xanthakis, E., Magkouta, S., **Loutrari, H.**, Stamatis, H., Roussos, C. and Kolisis, F.N. (2009). Enzymatic synthesis of perillyl alcohol derivatives and investigation of their antiproliferative activity. ***Biocatalysis and Biotransformation***, 27: 170–178.
<http://dx.doi.org/10.1080/10242420902811089>

Xanthakis, E., Mistriotis, P., Stamatis, H., Magkouta, S., **Loutrari, H.**, Roussos, C. and Kolisis, F.N. (2008). Biotransformations of natural compounds: Structural and functional diversity of novel derivatives. ***J. Biotechnology***, 136, Supplement S280 <http://dx.doi.org/10.1016/j.jbiotec.2008.07.600>

Stathopoulos, G.T., Moschos, C., **Loutrari, H.**, Kollintza, A., Psallidas, I., Karabela, S., Magkouta, S., Zhou, Z., Papiris, S.A., Roussos, C. and Kalomenidis, I. (2008). Zoledronic acid is effective against experimental malignant pleural effusion. ***American Journal of Respiratory and Critical Care Medicine***, 178:50-59 <https://doi.org/10.1164/rccm.200710-1513OC>

Loutrari, H., Magkouta, S., Pyriochou, A., Koika, V., Kolisis, F.N., Papapetropoulos, A. and Roussos, C. (2006). Mastic oil from *Pistacia lentiscus* var. *chia* inhibits growth and survival of human K562 leukemia cells and attenuates angiogenesis. ***Nutrition & Cancer***. 55:86-93.
https://doi.org/10.1207/s15327914nc5501_11

Mellou, F., **Loutrari, H.**, Stamatis, H., Roussos, C. and Kolisis F.N. (2006). Enzymatic esterification of flavonoids with unsaturated fatty acids: Effect of the novel esters on Vascular Endothelial Growth Factor release from K562 cells. ***Process Biochemistry***.41:2029-2034.
<http://dx.doi.org/10.1016/j.procbio.2006.05.002>

Kotanidou A., **Loutrari H.**, Papadomichelakis E., Glynos K., Magkou C., Armaganidis A., Papapetropoulos A., Roussos C. and Orfanos S.E. (2006). Inhaled activated protein C attenuates lung injury induced by endotoxin in mice. ***Vascular Pharmacology***, 45: 134-140
<https://doi.org/10.1016/j.vph.2006.06.016>

Loutrari, H., Hatziapostolou, M., Skouridou, V., Papadimitriou, E., Roussos, C., Kolisis, F.N. and Papapetropoulos, A. (2004) Perillyl alcohol is an angiogenesis inhibitor. ***J Pharmacol Exp Ther***. 311:568-75.
<https://doi.org/10.1124/jpet.104.070516>

Franqueville, E., **Loutrari, H.**, Mellou, F., Stamatis, H., Friboulet, A. and Kolisis F.N. (2003). Reverse micelles, a system for antibody-catalysed reactions. ***J. Mol. Catalysis B: Enzymatic***, 21: 15-17 [http://dx.doi.org/10.1016/S1381-1177\(02\)00130-3](http://dx.doi.org/10.1016/S1381-1177(02)00130-3)

Franqueville, E., Stamatis, H., **Loutrari, H.**, Friboulet, A. and Kolisis F.N. (2002). Studies on the catalytic behaviour of a cholinesterase-like abzyme in an AOT microemulsion system. **J. Biotechnology**, 97: 177-182. [https://doi.org/10.1016/S0168-1656\(02\)00061-5](https://doi.org/10.1016/S0168-1656(02)00061-5)

Loutrari, H., Kokla, A., Trakas, N. and Tzartos, S.J. (1997). Expression of human-*Torpedo* hybrid acetylcholine receptor (AChR) for analyzing the subunit specificity of antibodies in sera from patients with myasthenia gravis (MG). **Clin. Exp. Immunol.**, 109: 538-546. <https://doi.org/10.1046/j.1365-2249.1997.4701367.x>

Vretou, E., **Loutrari, H.**, Mariani, L., Costelidou, K., Eliades, P., Conidou, G., Karamanou S., Mangana, O., Siarkou, V., Papadopoulos, O., (1996) Diversity among abortion strains of *Chlamydia psittaci* demonstrated by inclusion morphology, polypeptide profiles and monoclonal antibodies. **Veterinary Microbiology** 51: 275-289. [https://doi.org/10.1016/0378-1135\(96\)00048-X](https://doi.org/10.1016/0378-1135(96)00048-X)

Loutrari, H., Kokla, A. and Tzartos, S.J. (1992). Passive transfer of experimental myasthenia gravis via antigenic modulation of acetylcholine receptor. **Eur. J. Immunol.**, 22: 2449-2452. <https://doi.org/10.1002/eji.1830220939>

Loutrari, H., Tzartos, S.J. and Claudio, T. (1992). Use of *Torpedo*-mouse hybrid acetylcholine receptors reveals immunodominance of the α -subunit in myasthenia gravis antisera. **Eur. J. Immunol.**, 22: 2949-2956. <https://doi.org/10.1002/eji.1830221129>

Tzartos, S.J., Cung, M.T., Demange, P., **Loutrari, H.**, Mamalaki, A., Marraud, M., Papadouli, I., Sakarellos, C., and Tsikaris, V. (1992). The main immunogenic region (MIR) of the nicotinic acetylcholine receptor and the anti-MIR antibodies. **Mol. Neurobiology**, 5: 1-29. <https://doi.org/10.1007/BF02935610>

Tzartos, S.J., Barkas, T., Cung, M.T., Kordossi, A., **Loutrari, H.**, Marraud, M., Papadouli, I., Sakarellos, C., Sophianos, D. and Tsikaris, V. (1991). The main immunogenic region of the acetylcholine receptor. Structure and role in myasthenia gravis. **Autoimmunity**, 8: 259-270. <https://doi.org/10.3109/08916939109007633>

Tzartos, S.J., **Loutrari, H.V.**, Tang, F., Kokla, A., Walgrave, S.L., Miliou, R. and Conti-Tronconi, B.M., (1990). Main immunogenic region of *Torpedo* electroplax and human muscle acetylcholine receptor: Localization and micro-heterogeneity revealed by the use of synthetic peptides. **J. Neurochem.**, 54: 51-61. <https://doi.org/10.1111/j.1471-4159.1990.tb13282.x>

Tzartos, S., Cung, M.T., Kordossi, A., **Loutrari, H.**, Marraud, M., Papadouli, I., Sakarellos, C., Sophianos, D., Tsikaris, V. (1990) Myasthenia gravis: studies with monoclonal antibodies against the acetylcholine receptor. **Review of Clinical Pharmacology and Pharmacokinetics, International Edition**, 4: 148-163.

Presentations-Publications in Conferences

Loutrari, H., Kyriakides, S.M., Kollis, F.N., (1987). "Glycogen Phosphorylase-Kinase Immobilized in a Lipid-Protein Matrix". *18th FEBS Meeting*, Ljubljana, June 28-July 3, 1987.

Loutrari, H., Tzartos, S.J., Tang, F., Kokla, A., Walgrave, S.L., Milius, R.P., Conti-Tronconi, B.M., (1988). "Fine Localization of the Main Immunogenic Region of the Acetylcholine Receptor". *Immunointervention in Autoimmune Diseases*, Paris, June 15-17, 1988.

Loutrari, H., Tzartos, S.J., Kokla, A., Tang, F., Walgrave, S.L., Milius, R.P., and Conti-Tronconi, B.M. (1988). "Fine localization of the Main Immunogenic Region of *Torpedo* and human Acetylcholine Receptor". Advanced Research Workshop, *Molecular Biology of Neuroreceptors and Ion Channels*, October 2-7, 1988, Island of Santorini, Greece.

Tzartos, S.J., Kordossi, A., Papadouli, I., Sophianos, D., **Loutrari, H.**, Hadjidakis, Sakarellos, C., C.,Cung, M.T., Marraud M. (1989). "Recent Studies on Structure and Function of the Main Immunogenic Region of the AChR". *2nd European Conference on Myasthenia Gravis*, Tremezzo (Italy), June 12-14, 1989.

Kokla, A., **Loutrari, H.**, Tang, F., Walgrave, S.L., Milius, R.P., Conti-Tronconi, B.M. and Tzartos, S.J. (1988). Localization of the Main Immunogenic Region of *Torpedo* Electroplax and Human Muscle Acetylcholine Receptor. *31st Scientific Conference of the Hellenic Biochemical and Biophysical Society*, November 18-19, 1988, Athens. published in **Bioch. Bioph. Newsletter** 28:15-17.

Loutrari, H., Kokla, A., Tzartos, S.J. (1991) "Passive Transfer of Experimental Myasthenia Gravis Via Antigenic Modulation of Acetylcholine Receptor". *3rd European Conference on Myasthenia Gravis, Euro-Myasthenia III*, Oxford, July 2-5 1991.

Loutrari, H., Tzartos, S.J. and Claudio, T. (1991). Antigenic analysis of the acetylcholine receptor on a transfected fibroblast system: Evidence for predominance of anti-alpha subunit antibodies in myasthenic sera. *37th Scientific Conference of the Hellenic Biochemical and Biophysical Society*, December 14-15, 1991, Athens, published in **Bioch. Bioph. Newsletter** 32:73-75

Loutrari, H., Kokla, A., and Tzartos, S.J. (1991). Antigenic modulation of acetylcholine receptor induces passive transfer of experimental myasthenia gravis. *37th Scientific Conference of the Hellenic Biochemical and Biophysical Society*, December 14-15, 1991, Athens, published in **Bioch. Bioph. Newsletter** 34:7-9.

Loutrari, H., Kokla A. and Tzartos, S.J. (1994) "Use of human-*Torpedo* hybrid acetylcholine receptors for the analysis of antibody specificities in myasthenia gravis antisera". *European Conference of Immunology*, 5-10 July, Barcelona, Spain.

Loutrari, H., Mariani, L., Eliades, P., Conidou, G., Costelidou, K., Papadopoulos, O., Mangana, O. and Vretou, E. (1994) "Immunochemical analysis of Greek chlamydia abortive strains provides evidence for molecular heterogeneity. *European Society of Veterinary Pathology*. 18-22 September, Cuneo Piemonte, Italy

Loutrari, H., Kokla A. and Tzartos, S.J. (1994). Expression of human-*Torpedo* hybrid acetylcholine receptors for the analysis of antigenic specificities in Myasthenia Gravis antisera. *43rd Scientific Conference of the Hellenic Biochemical and Biophysical Society*, January 21-22, 1994, Athens, published in ***Bioch. Bioph. Newsletter*** 37:50-52.

Franqueville, E, Stamatis, H., **Loutrari, H.**, Friboulet, A. and Kolisis, F.N. (2000). Activity studies of a cholinesterase-like catalytic antibody in reverse micelles. *52nd Meeting of the Hellenic Society of Biochemistry and Molecular Biology*, Thessaloniki, 2000. published in ***Hellenic Society of Bioch. & Mol. Biol. Newsletter*** 47:44-48.

Franqueville, E., **Loutrari, H.**, Mellou, F., Kolisis, F.N., Stamatis H. and Friboulet, A. (2001) "Antibody catalyzed reactions in non-conventional media". ***Proceedings from the 3rd National Conference of Chemical Engineering***, Vol. B: 1161-1164.

Franqueville, E., **Loutrari, H.**, Mellou, F., Kolisis, F.N., Stamatis H. and Friboulet, A. (2001) "Antibody catalyzed reactions in non-conventional media". *Applied Biocatalysis 1980-2020: The future impact of modelling proteins and thermodynamics*. 17-20 June, Trondheim, Norway.

Franqueville, E., **Loutrari, H.**, Mellou, F., Kolisis, F.N., Stamatis H. and Friboulet, A. (2001). "Antibody catalyzed reactions in microemulsion systems". *Enzyme Engineering Conference XVI*. 7-12 October, Potsdam, Germany.

Loutrari, H., Skouridou, V., Kolisis, F.N., Roussos, C. and Papapetropoulos, A. (2003). Perillyl alcohol modulates angiogenic factor production, inhibits cell proliferation and induces apoptosis in tumor and endothelial cells. *55th Meeting of the Hellenic Society of Biochemistry and Molecular Biology*, November 13-15 2003, Athens, published in ***Hellenic Society of Bioch. & Mol. Biol. Newsletter*** 50:386-390.

Loutrari, H., Skouridou, V., Kolisis, F.N., Roussos, C. and Papapetropoulos, A. (2004) Perillyl alcohol attenuates *in vitro* angiogenesis, modulates angiogenic factor production and inhibits cell proliferation and survival in endothelial and tumor cells. *30 National Conference of Pharmacology*, 14-15

February 2004, Thessaloniki, *published in Rev Clin Pharmacol Pharmacokin, International Edition*, 18: 30-32.

Loutrari, H., Hatziapostolou, M., Skouridou, V., Papadimitriou, E., Roussos, C., Kolisis, F.N. and Papapetropoulos, A. (2004). *Perillyl alcohol inhibits angiogenesis in vivo and in vitro. 8th State-of-the Art, Interdisciplinary Review Course on Pulmonary Diseases, Critical Care Emergency Medicine and Nursing Care, April 7-12, 2004, Athens, Greece.*

Loutrari, H., Roussos, C., Kolisis, F.N. (2004). Anti-angiogenic and anti-tumor activities of mastic oil. (2004). 3rd Euro Fed Lipid Congress. September 5-8, 2004, Edindourg, Scotland, UK

Loutrari, H., Magkouta, S., Pyriochou, A., Koika, V., Kolisis, F.N., Papapetropoulos, A. and Roussos, C. Skouridou, V., Kolisis, F.N., Roussos, C. and Papapetropoulos, A. (2005) Anti-tumor and anti-angiogenic activities of mastic oil. *59th Meeting of the Hellenic Society of Biochemistry and Molecular Biology, Athens 2005, published in Hellenic Society of Bioch. & Mol. Biol.. Newsletter* 52:132

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