

## BIOGRAPHICAL SKETCH

<b>Avgi Mamalaki</b>	<b>Research Director, Hellenic Pasteur Institute Head of the Laboratory of Molecular Biology &amp; Immunobiotechnology, LMBI</b>
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<b>EDUCATION/TRAINING</b>	<b>DEGREE</b>	<b>YEARS</b>	<b>FIELD OF STUDY</b>
Undergraduate student in the University "Babes-Bolyai", Cluj-Napoca, Romania	Master in Biology	1976-1980	Biology
University PARIS XII "Val-de- Marne" Faculty of Medicine, France	A.E.A. (attestation des etudes approfondies)	1982-1983	Biochemistry
University PARIS XII "Val-de-Marne"	D.E.R.B.H.	1983-1985	Human Biology
University PARIS XII "Val-de-Marne"	Doctorat d' Etat en Biologie Humaine	1985-1989	Human Biology

### **A. Positions and Honours.**

#### **Positions and Employment**

- 1980-1982: Research Assistant, Institute of Child Health, "Aghia Sophia" Children's Hospital, Athens
- 1982-1985: PhD student, Inserm U. 91, Hopital Henri Mondor, Creteil, France
- 1985-1989: Post-Doctoral Research, Research Center of Crete, Institute of Molecular Biology & Biotechnology, Heraklion
- 1989: Visiting Researcher, National Cancer Institute, Frederick, MD. (Dr. G. Pavlakis Lab)
- 1990-1996: Research Associate, Dept. of Biochemistry, HPI
- 1996-2000: Researcher grade C', Dept. of Biochemistry, HPI
- 2000-2006: Researcher grade B', Dept. of Biochemistry, HPI
- 2004: Head of the Lab Molecular Biology & Immunobiotechnology, HPI
- 2006-today: Research Director, Hellenic Pasteur Institute

#### **Fellowships:**

- 1982-1983: Ministry of Economics, Section of Technical support
- 1983-1985: A.P.E.P.P. fellowship, FRANCE
- 1989: EMBO Research Fellow
- 1990: Summer School on Immunology. Spetses, Greece
- 1991: EMBO Course on "Antibodies in bacteria and on phages" (Pomezia, Rome, Italy).
- 1995: Cold Spring Harbor Course on Phage Display of Combinatorial Antibody libraries. Cold Spring Harbor, N.Y.
- 1999: Immunobiotechnology Workshop on Antibody Technology, Siena, Italy.

#### **Awards:**

- 2015: 1<sup>st</sup> Award - 15th National Hepatology Meeting, Kos  
 2013: 2<sup>nd</sup> Award - 13<sup>th</sup> National Hepatology Meeting, Rodos  
 2007: 2<sup>nd</sup> Poster Award - European Iron club Meeting, London  
 2004: 2<sup>nd</sup> S. Papastamati Award - 30<sup>th</sup> National Medical Meeting, Athens  
 1998: 1<sup>st</sup> S. Papastamati Award at the National Medical Meeting, Athens  
 1996: 2<sup>nd</sup> award - 1<sup>st</sup> National Conference on AIDS and Sexually Transmitted Diseases  
 Thessaloniki  
 1989: 2<sup>nd</sup> award - National Medical Meeting, Athens

### **Editorial activities**

#### Book editing:

- Basic Immunology – Functions and disorders of the immune system, by A. Abbas & A. Lichtman, (S. Tzartos and **A. Mamalaki**). Ed. Paschalides, 2004

#### Academic works

- A. Mamalaki. Regulation of ketogenesis in the perfused guinea pig liver.(Bsc Thesis) Biology Department, University "Babes-Bolyai", Cluj-Napoca, Romania, 1980.
- A. Mamalaki. Genes des globine normaux et pathologiques: etudes moleculaires. D.E.R.B.H. (Diplome des etudes et des recherches en Biologie Humaine), University PARIS XII "Val-de-Marne", 1984.
- A. Mamalaki. Expression et regulation des genes humaines du locus  $\alpha$  de globine. Doctorat d'Etat en Biologie Humaine, University PARIS XII "Val-de-Marne", 1989.

#### Chapters in books

- L. Psaridi-Linardaki, **A. Mamalaki**, M. Remoundos and S. J. Tzartos. Expression of soluble ligand and antibody binding extracellular domain of human muscle acetylcholine receptor  $\alpha$ -subunit in yeast *Pichia pastoris*. Role of glycosylation in  $\alpha$ -bungarotoxin binding. 3<sup>rd</sup> Hellenic forum on bioactive peptides (ed. P. Cordopatis, E. Manessi-Zoupa, G. Pairas). Typorama, pp.547-556, (2003).
- **Mamalaki, A.** and Tzartos, S. Monoclonal antibodies: from hybridoma to *E. coli*. In *Recombinant DNA technology* (ed. Katinakis). EU-NECTAR, Montpellier, pp.101-124, (1999).
- Sofianos, D., Mamalaki, A., Karagouni, K., Miriagkou, V., Markoulatos, P., Sofatzidis, C., Miras, C. Development of a diagnostic system for Hepatitis C. In: *Hepatitis C* (Ed. P.Pashalidis) pp.198-205, 1995.
- Moschonas, N., Merika, M., Liapaki, K., Sinopoulou, K., **Mamalaki, A.**, Bousiou, M., Loukopoulos, D., Maliaraki, A., Komis, G. Molecular aspects of  $\alpha$ -thalassaemia in Greece. *Proceedings of the first international Symposium on the role of Recombinant DNA in Genetics*, Eds. R. Teplitz and D. Loukopoulos, Los Angeles and Athens, 1985, pp.59-63.
- Moschonas, N., **Mamalaki, A.**, Liapaki, K., Merika, M. *Molecular Techniques on Genomic DNA Blot Analysis: Training Course in Standard Techniques and Advanced Methodologies for the Control of Hereditary Anaemias*. Athens WHO Collaborating Center for the Control of Hemoglobinopathies, Dept. of Biology and Medical School, U. of Crete, IMBB, RCC, Heraklion, Crete, pp. 1-16, 1987.

### **Organization of Scientific Meetings/Advanced Courses**

- Member of the organizing committee of the FEBS-IUBMB Conference, Athens, 2008.
- Member of the Committee claiming the organization of FEBS-IUBMB Conference 2008 in Greece.

- Member of the organizing committee of the Human and Microbial Genomics: DNA Arrays applied to Human Pathogens and Diseases, 30 of March - April 7, 2006, Athens
- Organizing Committee at the 57<sup>th</sup> National Meeting of the Hellenic Society for Biochemistry and Molecular Biology, Athens, 2005.
- Member of the organizing committee of the 55<sup>th</sup> National Meeting of the Hellenic Society for Biochemistry and Molecular Biology, Athens, 13-15 November 2003.
- World Health Organization (WHO): Training Course in Standard Techniques and Advanced Methodologies for the Control of Hereditary Anaemias, October 18-20, 1987, Heraklion, Crete.

**Organizing Activity:**

- 1990: Organization of Molecular Biology Unit in the Biochemistry Department of HPI
- 1997: Laboratory Organization for phage display and production of recombinant antibodies in the Biochemistry Department of HPI
- 2004: Establishment of the laboratory of Molecular Biology and Immunobiotechnology in the Biochemistry Department of HPI
- 2005-8: PI for the Development of HPI infrastructure for R&T
- 2015: PI for HPI participation in INSTRUCT-EL, the National RIs on Integrated Structural Biology

**Educational Activity:**

Teaching in Post-graduate Programs of Studies (Master's Degree):

- Post-Graduate Program in "Clinical Biochemistry - Molecular Diagnostics' Biological Department of the University of Athens (2007-2015).
- Post-Graduated Program in "Agricultural Biotechnology", Agricultural University of Athens (2007, 2008, 2013).
- Post-Graduate Program in "Molecular Medicine", Medical School, University of Athens (2007).
- Post-Graduate Program in Immunology, Athens University Medical School. (1999)
- Post-Graduate Program in "Application of Biology in Medicine" - Department of Biology and Medicine, University of Athens (1997)

Teaching Undergraduate Courses:

- Second Inter-University Educational Seminar in Oncology for Medical Students (Kolymbari Chania, 21-25 July 2008) - Targeting cancer with monoclonal antibodies

Supervision of Undergraduate theses

More than 15 students towards obtaining their thesis - Universities of Athens, Patra, Ioannina.

Supervision of PhD theses:

Guidance of 14 students towards obtaining their PhD thesis - University of Athens.

**Evaluation committees:**

- Researcher evaluation committees in Research Centres: IMBB-Institute for Research & Technology, BSRC Fleming, Biomedical Research Foundation -Academy of Athens, HPI.
- Research evaluation committees for General Secretariat for R&T (GSRT)
- Grants reviewer for GSRT, Cyprus Research Promotion Foundation

## B. Publications (in chronological order).

1. Deaciuc, V., Popa, V., **Mamalaki, A.**, and Rosiorou, C. Sigmoid relationship between octanoate concentration and the rate of ketonogenesis in the perfused Guinea Pig Liver. *Revue Roumaine de Biochimie*, 15, 3, 197-202, 1980.
2. Galacteros, F., Garin, JD., Monplaisir, N., Namoune, S., Arous, N., Blouquit, Y., **Mamalaki, A.**, Tulliez, M., Ouka, M., Goossens, M. and Rosa, J. The new cases of heterozygosity for hemoglobin Knossos  $\alpha_2\beta_2$  27 Ala→Ser detected in the French West Indies and Algeria. *Hemoglobin*, 8 (3), 215-228, 1984.
3. **Mamalaki, A.** and Moschonas, N. Transcriptional regulatory factors may be involved in the control of the relative expression of human  $\alpha_1$  and  $\alpha_2$  globin genes in erythroleukemia cells. *Progress in Clinical and Biological Research*, volume 316A; Hemoglobin Switching, Part A: Transcriptional Regulation, Alan. Liss, Inc., New York,, pp. 335-342, 1989.
4. **Mamalaki, A.** and Moschonas, N. Aberrance and Modification of Alpha-1-and Alpha-2-Globin Gene Expression in Human and Mouse Erythroleukemia Cells. *Acta Hematologica*, 84:30-37, 1990.
5. **Mamalaki, A.**, Anagnou, N. and Moschonas, N. Developmental and Inducible Patterns of Human  $\theta_1$ -Globin Gene Epression in Embryonic/Foetal and Adult Erythroid Cells. *American Journal of Haematology*, 35:251-257, 1990.
6. **Mamalaki, A.**, Horanyi, M., Szelenyi, J., and Moschonas, N. Locus assignment of human  $\alpha$ -globin structural mutants by selective enzymatic amplification of  $\alpha_1$  and  $\alpha_2$ -globin cDNAs. *Human Genetics*, 85:509-512, 1990.
7. **Mamalaki, A.**, Trakas, N., Tzartos, S. Bacterial expression of a single-chain Fv fragment which efficiently protects the acetylcholine receptor against antigenic modulation caused by myasthenic antibodies. *European Journal of Immunology*, 23:1831845, 1993.
8. Soteriadou, K.P., Tzinia, A.K., **Mamalaki, A.**, Phebuzat, M-A., Lawrence, F., Robert-Gero, M. Expression of the major surface glycoprotein of Leishmania, gp63, in wildtype and synefungin-resistant promastigotes. *European Journal of Biochemistry*, 223:61-68, 1994.
9. Kioussi, C., **Mamalaki, A.**, Mirski, R., Jessen, K., Matsas, R. Expression of endopeptidase-24.11/ (common acute lymphoblastic leukemia CD10) in the sciatic nerve in the adult rat after lesion and during regeneration. *European Journal of Neuroscience*, 7:951-961, 1995.
10. **Mamalaki, A.**, Boutou, E., Patsavoudi, E., Hurel, C., Tzartos, S. and Matsas, R. BM88: cDNA cloning of a novel neuron-specific molecule from pig nervous system that accelarates the differentiation of transfected mouse neuroblastoma cells. *Journal of Biological Chemistry*, 270:14201-14208, 1995.
11. Tzartos, S., Cung, M., **Mamalaki, A.**, Marraud, M., Papanastasiou, D., Sakarellos, C., Sakarellos-Daitsiotis, M. and Tsantili, P. Antigenic Structure of the Muscle Nicotinic Acetylcholine Receptor. *Annales de Medecine Interne*, 147:442-445, 1996.
12. Gaitanou, M., **Mamalaki, A.**, Merkouri, E. and Matsas, R. Purification and cDNA cloning of mouse BM89 antigen shows that it is identical with the synaptic vesicle protein synaptophysin. *Journal of Neuroscience Research*, 48:507-514, 1997.
13. Tzartos, SJ., Tsantili, P., Papanastasiou, D., **Mamalaki, A.** Construction of single-chain Fv fragments of anti-MIR monoclonal antibodies. *Annals of the New York Academy of Science*, 841:475-7, 1998.
14. Gomez, J., Boutou, E., Hurel, C., **Mamalaki, A.**, Kentroti, S., Vernadakis A. and Matsas, R. Overexpression of the neuron specific molecule, BM88, in mouse neuroblastoma cells: altered responsiveness to growth factors. *Journal of Neuroscience Research*, 51:119-128, 1998.

15. Tsantili, P., Tzartos S. and **Mamalaki, A.** High affinity scFv antibody fragments protecting the human nicotinic acetylcholine receptor. *Journal of Neuroimmunology*, 94:15-27, 1999.
16. Papanastasiou, D., **Mamalaki, A.**, Eliopoulos, E., Poulas, K., Liolitsas, C. and Tzartos, S. Construction and characterization of a humanized single chain Fv antibody fragment against the main immunogenic region of the acetylcholine receptor. *Journal of Neuroimmunology*, 94:182-195, 1999. (Corresponding authors: A. Mamalaki and S. Tzartos)
17. Martin-Ruiz, C. M., Court, J.A., Molnar, E., Lee, M., Gotti, C., **Mamalaki, A.**, Tsouloufis, T., Tzartos, S., Ballard, C., Perry, R.H. and Perry, E.K. Alpha 4 but not alpha 3 and 7 nicotinic acetylcholine receptor subunits are lost from the temporal cortex in Alzheimer's disease. *Journal of Neurochemistry*, 73(4):1635-40, 1999.
18. Baxevanis, C.N., Spanakos, G., Voutsas, I.F., Gritzapis, A.D., Tsitsilonis, O.E., **Mamalaki, A.** and Papamichail, M. Increased generation of autologous tumor-reactive lymphocytes by anti-CD3 monoclonal antibody and prothymosin alpha. *Cancer Immunology Immunotherapy*, 48(2-3):71-84, 1999.
19. Kleinjung, J., Petit, M.C., Orlewski, P., **Mamalaki, A.**, Tzartos, S., Tsikaris, V., Daitisiotis-Sakarellos, M., Sakarellos, C., Marraud, M. and Cung, M.T. The Third-Dimensional Structure of the Complex between an Fv Antibody Fragment and an Analog of the Main Immunogenic Region of the Acetylcholine Receptor: A Combined Two-Dimensional NMR, Homology and Molecular Modeling Approach. *Biopolymers*, 53(2):113-28, 2000.
20. Kontou, M., Leonidas, D.D., Vatzaki, E.H., Acharya, K. R., **Mamalaki, A.**, Oikonomakos, N.G. and Tzartos, S.J. The crystal structure of a Fab fragment of a rat monoclonal antibody against the main immunogenic region of the human muscle acetylcholine receptor. *European Journal of Biochemistry*, 267(8):2389-2397, 2000.
21. Tsouloufis, T., **Mamalaki, A.**, Remoundos, M., Tzartos, S.J. Reconstitution of conformationally dependent epitopes of the N-terminal extracellular domain of human muscle AChR  $\alpha$  subunit expressed in *E.coli*: implications for myasthenia gravis therapeutic approaches. *International Immunology*, 12(9):1255-1265, 2000.
22. Boutou, E., Matsas, R. and **Mamalaki, A.** Isolation of a mouse brain cDNA expressed in developing neuroblasts and mature neurons. *Molecular Brain Research*, 86:153-167, 2001.
23. Gaitanou, M., Buanne, P., Pappa, C., **Mamalaki, A.**, Tirone, F. and Matsas, R. Cloning, expression and localization of human BM88 shows that it maps to chromosome 11p15.5, a region implicated in Beckwith-Wiedemann syndrome and tumorigenesis, *Biochemistry Journal* 355:715-724, 2001.
24. Perez, S., Sotiropoulou, P., Sotiriadou, N., **Mamalaki, A.**, Gritzapis, A., Echner, H., Voelter, W., Pawelec, G., Papamichail, M., Baxevanis, CN. HER-2/neu-derived peptide 884-899 is expressed by human breast, colorectal and pancreatic adenocarcinomas and is recognized by in-vitro-induced specific CD4(+) T cell clones. *Cancer Immunol Immunotherapy* 50(11):615-24, 2002.
25. Sotiriadou, N., Perez, S., Gritzapis, A., Sotiropoulou PA, Echner, H., Heinzl, S., **Mamalaki, A.**, Pawelec, W., Voelter, W., Baxevanis, C.N., and Papamichail, M. Peptide HER-2/neu (776-788) represents a, naturally processed broad MCH class II restricted T cell epitope. *British Journal of Cancer* 85(10), 1527-1534, 2001
26. Psaridi, L., **Mamalaki, A.**, Remoundos M., and Tzartos, S. Expression of soluble ligand- and antibody-binding extracellular domain of human muscle acetylcholine receptor alpha subunit in yeast *Pichia pastoris*. Role of glycosylation in alpha -bungarotoxin binding. *J Biol Chem.* 277, 30, 26980-26986, 2002.
27. **Mamalaki A.**, Kretsovali A., Belimezi M., Papamatheajis J., Perez S., Papamichail M and Baxevanis C. *In vitro* and *in vivo* antitumor activity of a mouse CTL hybridoma expressing chimeric receptors bearing the single chain Fv from HER-2/neu- specific antibody and the  $\gamma$ -chain from Fc( $\epsilon$ ) RI. *Cancer Immunol. Immunoth.* 52(8):513-22, 2003.

28. Gritzapis A., **Mamalaki A.**, Kretsovali A., Papamatheajis J., Belimezi M., Perez S., Baxevanis C. and Papamichail M. Redirecting mouse T hybridoma against human breast and ovarian carcinomas: in vivo activity against HER-2/neu expressing cancer cells. *Br J Cancer*, 88(8):1292-300, 2003.
29. Psaridi-Linardaki, L., **Mamalaki, A.**, and Tzartos, S. Future therapeutic strategies in autoimmune Myasthenia Gravis. *Annals of the New York Academy of Science*, 998: 539-548, 2003.
30. V. Avramopoulou, **A. Mamalaki** and S. Tzartos. Soluble oligomeric and ligand-binding extracellular domain of human neuronal alpha7 acetylcholine receptor expressed in the yeast *Pichia pastoris*: Replacement of the hydrophobic Cys-loop by the hydrophilic loop of ACh-binding protein enhances protein solubility. *J. Biol. Chemistry* 279(37):38287-38293, 2004.
31. L. Psaridi-Linardaki, **A. Mamalaki**, N. Trakas and S. J. Tzartos. Use of the extracellular domain of human muscle acetylcholine receptor  $\alpha$ -subunit for ex vivo immunoadsorption of anti-ACh receptor autoantibodies from myasthenic patients. 2004. *Journal of Neuroimmunology* 159(1-2):183-91, 2005.
32. E. Fostieri, Socrates J. Tzartos, Sonia Berrih-Aknin, David Beeson, and **Avgi Mamalaki**. Isolation of potent human Fab fragments against a novel highly immunogenic region on human muscle acetylcholine receptor which protect the receptor from myasthenic autoantibodies. *Eur J Immunol.* 35(2):632-43, 2005.
33. Evdokia Protopapadakis, Anna Kokla, Socrates J. Tzartos and **Avgi Mamalaki**. Isolation and characterization of human anti-acetylcholine receptor monoclonal antibodies from transgenic mice expressing human immunoglobulin loci. *Eur J Immunol.* 35(6):1960-8, 2005.
34. Olga Papadodima, Maritina Sergaki, Catherine Hurel, **Avgi Mamalaki** and Rebecca Matsas Characterization of BM88 promoter and identification of an 88 bp fragment sufficient to direct neuron-specific expression. *J. of Neurochemistry* 95(1):146-59, 2005.
35. M. Belimezi, D. Papanastassiou, E. Merkouri, C. Baxevanis and **A. Mamalaki** Growth inhibition of breast cancer cell lines overexpressing Her2/neu by a novel internalized fully human Fab antibody fragment. *Cancer Immunol Immunother.* 55: 1091-1099, 2006.
36. V. Koliaraki, M. Marinou, M. Samiotaki, G. Panayotou, K. Pantopoulos, **A. Mamalaki** Iron regulatory and bactericidal properties of human recombinant hepcidin expressed in *Pichia pastoris*. *Biochimie*90(5):726-35, 2008.
37. Koliaraki V, Marinou M, Vassilakopoulos TP, Vavourakis E, Tsochatzis E, Pangalis GA, Papatheodoridis G, Stamoulakatou A, Swinkels D, Papanikolaou G, **Mamalaki A.** A novel immunological assay for hepcidin quantification in human serum (PLoS One. 2009;4(2):e4581.
38. Alexios Dimitriadis, Chrysanthi Gontinou, Constantin N. Baxevanis and **Avgi Mamalaki** The mannosylated extracellular domain of Her2/neu produced in *P. pastoris* induces protective antitumor immunity. *BMC cancer*, 2009 Oct 30;9:386
39. Lekka E, Gritzapis AD, Perez SA, Tsavaris N, Missitzis I, **Mamalaki A**, Papamichail M, Baxevanis CN. Identification and characterization of a HER-2/neu epitope as a potential target for cancer immunotherapy. *Cancer Immunol Immunother.* 2010 May;59(5):715-27
40. Joyce J.C. Kroot, Erwin H.J.M. Kemna, Sukhvinder S. Bansal, Mark Busbridge, Natascia Campostrini, Domenico Girelli, Robert C. Hider, Vasiliki Koliaraki, **Avgi Mamalaki**, Gordana Olbina, Naohisa Tomosugi, Chris Tselepis, Douglas G. Ward, Tomas Ganz, Jan C.M. Hendriks, Dorine W. Swinkels. Results of the first international round robin for the quantification of urinary and plasma hepcidin assays: need for standardization. *Haematologica*, 2009 Dec;94(12):1748-52.
41. Emmanuel Tsochatzis, George V. Papatheodoridis, Vasiliki Koliaraki, Emilia Hadziyannis, Georgia Kafiri, Emanuel K. Manesis, **Avgi Mamalaki**, Athanasios J. Archimandritis. Serum

- hepcidin levels are related to the severity of liver histological lesions in chronic hepatitis C *J Viral Heapt*, 2010 Nov;17(11):800-6.
42. Stefan Gattenlohner, Hannah Jörißen, Michael Huhn, Angela C. Vincent, David Beeson, S. Tzartos, **Avgi Mamalaki**, Benjamin Etschmann, Hans-Konrad Müller-Hermelink, Eva Koscielniak, Stefan Barth and Alexander Marx. A Human Recombinant Autoantibody-based Immunotoxin Specific for the Fetal Acetylcholine Receptor Inhibits Rhabdomyosarcoma Growth in vitro and in a Murine Transplantation Model. *Journal of Biomedicine and Biotechnology*, 2010:187621
  43. Lioupis C, Barbatis C, Drougou A, Koliarakis V, **Mamalaki A**, Kloris C, Georgopoulos S, Andrikopoulos V, Bastounis E. Association of haptoglobin genotype and common cardiovascular risk factors with the amount of iron in atherosclerotic carotid plaques. *Atherosclerosis*. 2011 May;216(1):131-8
  44. Rentoukas E, Tsarouhas K, Kaplanis I, Korou E, Nikolaou M, Marathonitis G, Kokkinou S, Haliassos A, **Mamalaki A**, Kouretas D, Tsitsimpikou C. Connection between telomerase activity in PBMC and markers of inflammation and endothelial dysfunction in patients with metabolic syndrome. *PLoS One*. 2012;7(4):e35739.
  45. Kroot JJ, van Herwaarden AE, Tjalsma H, Jansen RT, Hendriks JC, Swinkels DW. On behalf of Sandro Altamura, Damon S. Anderson, Sukhvinder S. Bansal, Pierre Brissot, Mark Busbridge, Anthony M. Butterfield, Keegan Cooke, David K. Crockett, Ivana De Domenico, Mark Fleming, Tomas Ganz, Anneke J. Geurts-Moespot, Robert C. Hider, Alfred Janetzko, Jerry Kaplan, Uwe Kobold, Coby M. Laarakkers, **Avgi Mamalaki**, Martina Muckenthaler, Anthony Murphy, Gordana Olbina, Ralf Röddiger, Barbra Sasu, Hanno Steen, Fred Sweep, Naohisa Tomosugi, Olivier Tribut, Chris Tselepis, Douglas Ward, Mark Westerman, and Erwin T. Wiegerinck. Second round robin for plasma hepcidin methods: first steps toward harmonization. *Am J Hematol*. 87(10):977-83, 2012.
  46. Papadimitropoulou A, **Mamalaki A**. The glycosylated IgII extracellular domain of EMMPRIN is implicated in the induction of MMP-2. *Mol Cell Biochem*. 2013 Jul;379(1-2):107-13.
  47. Sidera K, El Hamidieh A, **Mamalaki A**, Patsavoudi E. The 4C5 cell-impermeable anti-HSP90 antibody with anti-cancer activity, is composed of a single light chain dimer. *PLoS One*. 2011;6(9):e23906.
  48. Foka P, Dimitriadis A, Kyratzopoulou E, Giannimaras DA, Sarno S, Simos G, Georgopoulou U, **Mamalaki A**. A complex signaling network involving protein kinase CK2 is required for hepatitis C virus core protein-mediated modulation of the iron-regulatory hepcidin gene expression. *Cell Mol Life Sci*. 2014 Nov;71(21):4243-58
  49. Kitsati N, Liakos D, Ermeidi E, Mantzaris MD, Vasakos S, Kyratzopoulou E, Eliadis P, Andrikos E, Kokkolou E, Sferopoulos G, **Mamalaki A**, Siamopoulos K, Galaris D. Rapid elevation of transferrin saturation and serum hepcidin concentration in hemodialysis patients after intravenous iron infusion. *Haematologica*. 2015 Mar;100(3):e80-3.
  50. Lyberopoulou A, Chachami G, Gatselis NK, Kyratzopoulou E, Saitis A, Gabeta S, Eliades P, Paraskeva E, Zachou K, Koukoulis GK, **Mamalaki A**, Dalekos GN, Simos G. Low Serum Hepcidin in Patients with Autoimmune Liver Diseases. *PLoS One*. 2015 Aug 13;10(8):e0135486.
  51. Foka P, Dimitriadis A, Karamichali E, Kyratzopoulou E, Giannimaras D, Koskinas J, Varaklioti A, **Mamalaki A**, Georgopoulou U. Alterations in the iron homeostasis network: A driving force for macrophage-mediated hepatitis C virus persistency. *Virulence*. 2016 Apr 8:1-12.

**REVIEWS:**

52. Urania Georgopoulou, Alexios Dimitriadis, Pelagia Foka, Eirini Karamichali, **Avgi Mamalaki**. Hepcidin and the iron enigma in HCV infection. *Virulence*, 2014 May 15;5(4):465-76.

53. Tzartos, S., Cung, M., Demange, P., Loutrari, H., **Mamalaki, A.**, Marraud, M., Papadouli, I., Sakarellos, C., Tsikaris, V. The main immunogenic region (MIR) of the acetylcholine receptor and the anti-MIR antibodies. *Molecular Neurobiology*, 5:1-29, 1991.
54. **Mamalaki, A.** and Tzartos, S. Nicotinic Acetylcholine Receptor: Structure, Function and Main Immunogenic Region. *Advances in Neuroimmunology*, 4:339-354, 1994.
55. **Mamalaki, A.** and Tzartos, S. Structure, Function and Immunogenicity of the Muscle-Type Nicotinic Acetylcholine Receptor. *Review of Clinical Pharmacology and Pharmacokinetics*, 8:7-20, 1994.
56. Tzartos, S., Barkas, T., Cung, M., **Mamalaki, A.**, Marraud, M., Orlewski, P., Papanastasiou, D., Sakarellos, C., Sakarellos-Daitsiotis, M., Tsantili, P. and Tsikaris, V. Anatomy of the antigenic structure of a large membrane autoantigen, the muscle-type nicotinic acetylcholine receptor. *Immunological Reviews*, 163: 89-120, 1998.

### **C. Research Support**

- BIOMED-1. 1993-97. 240.000 ECU. (PI: S. Tzartos).
- Human Capital and Mobility. 1993-95. 37.000 ECU. (PI: S. Tzartos).
- Human Capital and Mobility. 1994-98. 168.000 ECU. (PI: S. Tzartos).
- EU BIOTECHNOLOGY. 1998-2000. 230.000 ECU. (PI: S. Tzartos).
- Training and Mobility of Researchers (TMR). 1998-2001. 190.000 ECU. (PI: S. Tzartos).

#### Principal Investigator for HPI: Avgi Mamalaki

- Bilateral Cooperation Program: GREECE-HUNGARY: 1987-1988
- Program PENED of the GSRT, 1996-1998. 8.000.000 GRD.
- EU BIOTECHNOLOGY: 1997-2000 30.000 ECU Contract No BIO4-CT97-2151)
- Program EPET II-1 of the GSRT, 1998-2001. 51.000.000 GRD.
- Program PENED of the GSRT, 2000-2001. 16.000.000 GRD
- Program PENED of the GSRT, 2001. 19.750.000 GRD
- Program PENED of the GSRT, 2001. 22.800.000 GRD
- Program EPAN of the GSRT, 2003: 93.000,00 euro
- Program EPAN of the GSRT, 2003: 75.000,00 euro
- BODOSAKIS FOUNDATION: 26.000 euro for laboratory equipment, 2004
- Bilateral Cooperation Program: GREECE-CANADA: 2004: 60.000,00 euro
- Development of infrastructure for R&T GSRT, 2005-8: 1.400.000 euro
- Program PENED of the GSRT, 2003. 120.000 euro
- Program PEP-ATTIKI: 2000-2006. 267.500,00 euro
- ACIP: 2012 10.380 euro.
- LATSIS FOUNDATION: 12.000 euro 2011.
- Program KRIPIS of the GSRT, 35.000 euro, 2013-2015.
- Program SYNERGASIA of the GSRT, 2010-2013. 296.000 euro
- Inspired: a national RI on Integrated Structural Biology, GSRT, 2016 (submitted)