

CURRICULUM VITAE
Aglaia Athanassiadou PhD

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Aglaia Athanassiadou

Professor Emeritus in Molecular Genetics
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Nationality: Greek. Marital Status: married, one son.

Studies: BSc, School of Natural Sciences, University of Athens

MSc, Genetics, Weizmann Institute of Science, Israel, 1973, Tutor: Ezra Galun

PhD, Genetics, Imperial College of Science, London, UK, 1978, Tutor: Bertrand Lamb

Academic Career,

Elected : Lecturer, Assistant Professor, Associate Professor, and Professor in Molecular Genetics, 2003. Dept of General Biology, Faculty of Medicine, University of Patras, Rion, Greece. Retired 2010, Professor Emeritus 2011.

Research Experience –Fellowships

2000 (1 year), Marie Curie Individual Fellowship, EU-FP5, “Assessing the potential of Replicating episomal vectors for the gene therapy of the Hemoglobinopathies” Guy's Hospital, GKT School of Medicine, Dr M Antoniou, Division of Medical and Molecular Genetics, London, UK.

1991 (3 months), EEC program STRIDE HELLAS Fellowship, at the Institute for Genetics, Dr R. Gibbs and Prof. T. Caskey Baylor College of Medicine, Houston, USA

1986 (2 weeks), THE BRITISH COUNCIL grant, visit to Dept. of Biochemistry, St. Mary's Hospital Prof. R. Williamson, Medical School, London, UK.

1984 (2 weeks), THE BRITISH COUNCIL grant, visit to National Institute for Medical Research, Dr R. Flavell and F. Grosveld, London, UK

1986 (1 month), FEBS Fellowship, University of Cagliari, Dr M. Pirastu, Italy

1982-1983, (10 months) EEC Bioengineering Program Fellowship, NIMR, Mill Hill, Dr F. Grosveld, London, UK.

1982 (3 months), EMBO short term fellowship, at NIMR, Dr F.Grosveld, Mill Hill, London
 1973-1977, (3 Years) Greek State Scholarships Foundation, for PhD Studies Imperial College of Science and Technology, London, UK,
 1968-1969, (1 Year) ISRAEL Government, for Graduate Training at the Hebrew University of Jerusalem, Israel.
 1969-1971, (2 Years) Weizmann Institute of Science, and Tel Aviv University, MSc Studies, Israel.

Research Grants

2012-2015. An innovating platform using miniplasmids, transposon and S/MAR for von Willebrand disease gene therapy. Project acronym: TRANSPOSMART. **Principal Investigator** for the Patras program, Co-Ordinator :SCHERMAN Daniel, France.

2011-2014. Program SYNERGASIA , by Greek Secretariat of Research and Technology, ESPA Program. “A NETWORK FOR THE PRODUCTION OF NEW SYSTEMS AND PROCESSES IN CELL AND GENE THERAPY FOR THALASSEMIA AND OTHER COMMON DISEASES IN THE GREEK POPULATION”, Five participants. AA: **CO-ORDINATOR of the Consortium.**

2006-2008 .Empeirikeio Foundation ,EMΠEPIKEIO ΙΔΡΥΜΑ: “Development of episomal vector of a synthetic transcription factor for the reactivation of gamma globin gene for the Gene Therapy of the Hemoglobinopathies”. **Principal Investigator**

2004-2007. Operational Program for Competitiveness, Axis 4, -Measure 4.5
 Co-Ordinator Prof.N.Anagnou: Network for the Development of Technology and Application of Gene Therapy in Hematopoietic Disorders”.
 A.Athanassiadou : **Principal Investigator for the Patras program**

2003-2006 Grant “Karatheodori” of the University of Patras. “Gene transfer in haemopoetic stem cells with episomal, self-replicating vectors”. **Principal Investigator**

1996-1998, General Secretariat of Research and Technology, Greece,
Principal Investigator,» Study on the expression of mild β -thalassaemia Mutations, occurring in the untranslated regions of the β -globin gene»

1995-1998, EU Operational Program for Research and Technology, Framework Program, Subprogram 2, (EPET II, # 236 / 234/ /6), **Responsible for all Research,**«New Biotechnologies for Diagnosis, Prevention and Treatment of Hereditary and Acquired Diseases in the Greek Entity»
 (Principal Investigator: G.M.Maniatis)

1994-1995, Ministry of Health, Greece, **Principal Investigator,**
 «Study on the expression of the mutation +10(-T) in the β -globin gene»

1993-1995, EEC Program, STRIDE HELLAS, **Responsible for all Research,**
 « β -Thalassaemia : Research in Molecular, Cellular and Clinical Aspects»(Principal Investigator : G.M.Maniatis)

1992-1993, Ministry of Health, Greece, **Principal Investigator,** «Molecular Analysis of β -Thalassaemia Intermedia in SW Greece»

1988-1990, General Secretariat of Research and Technology, Greece
Principal Investigator, «Study of the Rearrangements of the Ig and TCR genes in Lymphoid Proliferations»

1984-1986, General Secretariat of Research and Technology, Greece, **Responsible for all research,** «Molecular analysis of β -Thalassaemia Syndromes in Greece «.(Principal Investigator : G.M.Maniatis)

Grant Evaluator

The 7th Framework Programme for Research - European Commission (FP7 EU Programme);

Promotion Foundation of Cyprus, The British Council, the University of Crete.

Reviewer of research publications

For the international journals: Human Mutation, Molecular Therapy, Journal of Molecular Biology, Gene Therapy, Gene Therapy and Molecular Biology, Gene, Journal of Biotechnology, Scientific Reports.

Organization of Seminars/ Scientific Meetings

1. Οργάνωση Σεμιναρίου: "Μεταπτυχιακά μαθήματα στην Τεχνική PCR", Ιανουάριος 1994 και Ιούνιος 1995, κάθε χρόνο παρακολούθησαν 25 μέλη ΔΕΠ και μεταπτυχιακοί του Τμήματος Ιατρικής του Πανεπιστημίου Πατρών .
2. Οργάνωση Πανελλήνιου Σεμιναρίου : ‘Η Γενετική Μηχανική στην Ιατρική’, Χρηματοδότηση :Υπουργείο Πολιτισμού και Πανεπιστήμιο Πατρών. Invited speaker, Bob Williamson, Dept. Of Biochemistry, St’ Mary’s Medical School, London. 6-9 Σεπτ. 1988.
3. FEBS MEETING:APPLICATIONS of DNA METHODS for the DIAGNOSIS of HUMAN DISEASE’ Advanced Practical/Lecture Course, 9- 19 May,1991,Patras Univ. Medical Faculty, funded by FEBS: Federation of European Biochemical Societies, co-Organizers : C.T.Caskey and R.A.Gibbs, Baylor College of Medicine, Houston, USA.
4. Workshop on Effective Teaching and Learning .
Laboratory of General Biology, Faculty of Medicine, University of Patras Funded by the new EPEAEK program on ‘Faculty Development’ and The British Council .
Presented by : Diana Kelly Education Adviser, Guy’s King’s and St. Thomas’ School of Medicine, London, 14 and 15 March 2003.
5. VIII HUGO International Symposium on Mutation Detection in the Genome Santorini, Greece, Local Organiser, Member of the Scientific Committee. May 31- June 4, 2005
6. 14th Annual congress of the European Society for Gene Therapy (ESGT) Athens Nov.2006 Member of the Organizing Committee.
7. IVth Conference on Stem cell Gene Therapy, Chalkidiki
Member of the Local Organising Committee. 13-17 Sept. 2007,
8. HUGO, VIII International Symposium on Mutation Detection And XI International Symposium on Mutations in the Genome Santorini, Greece, Local Organizer and member of the Scientific Committee 6th – 10th June, 2011

Δημιουργία και Οργάνωση της Μονάδας Μοριακής Γενετικής

Για παροχή υπηρεσιών Γενετικής στο πλαίσιο του ΠΓΝΠ στο Εργαστήριο Γενικής Βιολογίας, Ιατρικής Σχολής

- Δημιουργήθηκε το 2006, επί Διοικητού του ΠΓΝΠ κ.Ι Δημάρατου και επί Προέδρου της Ιατρικής κ.Δ.Μπονίκου
- Υποστηρίχτηκε οικονομικά μερικώς, τα πρώτα χρόνια από το ΠΓΝΠ για αναλώσιμα και ελαφρύ εξοπλισμό και από την Επιτροπή Ερευνών του Πανεπιστημίου Πατρών για προσωπικό.

Awards

1. **Poster Award to Argyro Sgourou**,
Proceedings of the 53rd Meeting of the Hellenic Society of Biochemistry: Sgourou A, Papachadjopoulou A., Psiouri L., Antoniou M., Zoumbos N., Gibbs R. and A. Athanassiadou (2001). *The β -globin (C \rightarrow G) thalassaemic mutation at 6bp 3' to the termination codon decreases the efficiency of mRNA 3' end formation*; Athens, Greece, vol.48, p.371-375..
41. **Award to Gerasimos Karousos**: by International committee, Karousos G., Voutsinas G., Papachatzopoulou A. and Athanassiadou A. " *Analysis of allelic expression of the a-synuclein gene in Parkinson's disease*".17th meeting of Ellenic Society for Neuroscience : "Brain, Mind and Behavior" University of Grete Rethymno, 4-6 October 2002.
2. **Award to Argyro Sgourou** for her work in :Sgourou A., Antoniou M, Ψιούρη. Λ, Παπαχατζοπούλου.Α, Αθανασιάδου.Α. " *Η 5'μη μεταφράσιμη περιοχή του γονιδίου της β - σφαιρίνης του ανθρώπου περιλαμβάνει στοιχεία του υποκινητή του γονιδίου.*" 13^o Meeting of Hellenic Society for Haematology, Nov.. 2002 Haema 2002; 5(suppl.1)
3. **Award to Eirini Papapetrou** for her research under the "A.Goutas" Award, 16o Meeting of Hellenic Society for Haematology Thessaloniki, Nov. 2005
4. **Award to Eleana F. Stavrou**, as the best presentation, for the work: Stavrou EF., E Lagadinou, E.P. Papapetrou, N Zoumbos, A Athanassiadou. "*Induction of foetal haemoglobin with the use of non viral vectors*". 18^o Meeting of Hellenic Society for Haematology, Nov.. 2007
5. **Stavrou EF.**

Supervision of Theses

Principal Supervisor for 8 completed MSc theses and 12 completed Doctorate Theses

Member of the Tripartite Advisory Committee and

Member of the Five or Seven Member Examining Committee for over 15 theses

Supervision of numerous Dissertations and Practical Training for Medicine, Biology and Pharmacy graduates.

Publications

Theses

1. Ghikas A.: «Selection of thermal mutants in respect to deficiency to conidiation and/or to growth in the fungus *Trichoderma viride*». MSc.Thesis, Supervisor Prof.Esra Galun, Tel-Aviv University and Weizmann Institute of Science, Israel pp.71, 1973.
2. Ghikas A.: «Recombination mechanisms and the control of gene-conversion in *Ascobolus immersus*». Ph.D.Thesis, Supervisor Dr Bernard Lamb, Imperial College of Science and Technology, London, UK, pp.250, 1978.

Articles in International Journals

1. Ghikas A. and B.C.Lamb: "The detection, in unordered octads, of 6+2:m and 2+6:m ratios with postmeiotic segregation and of aberrant 4:4s and their use in corresponding-site interference studies". Genet.Res.Camb.,29, 267-278, 1977.
2. Lamb B.C. & Ghikas A.: "The intergradation genetic interchangeability and interpretation of gene-conversion spectrum types". Genetics, 92, 49-65, 1979.

3. Wright S., Taramelli R., Rosenthal A., de Boer E., Antoniou M., Kioussis D., Wilson F., Hurst J., Bartram C., Athanassiadou A. and Grosveld F.: "DNA sequences required for regulated expression of the human β -globin gene". Progress in Clinical and Biological Research, in Experimental Approaches For The Study of Hemoglobin Switching. Eds. G.Stamatoyannopoulos & A.W. Nienhuis, Alan R.Liss Inc., New York, 191, .251, 1985.
4. Athanassiadou A., Zarkadis I., Papachadjopoulou A. and Maniatis G.M.: "DNA haplotype heterogeneity of β -thalassemia in Greece. Feasibility of prenatal diagnosis". British Journal of Hematology, 66(3), 379-383, 1987.
5. Nicolopoulou, V., Lafi, T., Athanassiadou, A., Zoumbos, N.: "Enhanced proliferative response to β -endorphin of phytohemagglutinin-activated lymphocytes from patients with ulcerative colitis". J.Gastroenterology, 29, 283-285, 1991.
6. Kouvelas E., Zarkadis I., Athanassiadou A., Thanos D. and Papamattheakis J.: "LN-10, a brain derived cDNA clone: studies related with the development and plasticity of CNS". In P.S.Timiras and Al.Privat (Eds). Plenum Press, New York, pp.103-110, 1991.
7. Spiliopoulou I., Droucopoulou A., Athanassiadou A. and Demetrakopoulos G.: "Plasmid profiles of *Acinetobacter* and *Enterobacter* species of hospital origin: Restriction endonuclease analysis of Plasmid DNA and transformation of *E.coli* by R plasmids" Journal of Chemotherapy, 4(2), 72-77, 1992.
8. Nicolopoulou V., Lafi T., Gogos C., Athanassiadou A., Zoumbos N.: "Lymphocytes from patients with chronic duodenal ulcer disease show enhanced proliferative response to β -endorphin". Hepato-Gastroenterology, 40(2), 117-119, 1993.
9. Orphanos V., Anagnostou D., Papadaki Th., Maniatis G.M. and Athanassiadou A.: "Detection of Gene Rearrangements in Reactive Lymphoid Processes". Leukemia and Lymphoma, 9, 103-106, 1993.
10. Athanassiadou, A., Papachatzopoulou, A., Zoumbos N., Maniatis G.M., Gibbs, R.: "A novel β -thalassaemia mutation in the 5' untranslated region of β -globin gene". British Journal of Haematology, 88, 307-310, 1994.
11. Spiliopoulou, I., Anastassiou, E., Gobel, U.B., Athanassiadou, A.: "Ribosomal RNA- based probe for the rapid identification of *U.urealyticum* biovar T960 strains". Medical Microbiology Letters, 4, 91-98, 1995.
12. Goritsas, K., Athanassiadou, A., Arvaniti, A., Skoutelis, A., Labropoulou-Karatja, Ch.: "The leading role of Hepatitis B and C viruses. as risk factors for the development of Hepatocellular Carcinoma". Journal of Clinical Gastroenterology, 20(3), 220-224, 1995. doi: 10.1097/00004836-199504000-00012
13. Athanassiadou, A., Papachatzopoulou A. and Gibbs, R.: "Detection and Genetic analysis of β -thalassaemia mutations by competitive oligopriming". Human mutation, 6:30-35, 1995.
14. Christofidou, M., Athanassiadou, A., Stoutelis, A., Anastassiou, E.: "Detection of *Hepatitis B* virus DNA of Hepatitis B surface antigen chronic carriers in Southwestern Greece". European Journal of Clinical Microbiology and Infectious Diseases, 14, 464-468, 1995.
15. Spiliopoulou I., Arvaniti A., Kolonitsiou F., Dimitracopoulos G., Athanassiadou A.: " β -Thalassaemia and the prevalence of HCV Viraemia". Hematologia, 27(1), 15-22, 1995.
16. M.H.Polymeropoulos, C.Lavedan, E.Leroy, S.E.Ide, A.Dhejia, A.Dutra, B.Pike, H.Root, J.Rubenstein, R.Boyer, E.S.Stenroos, S.Chandrasekharappa, A.Athanassiadou, T.Papapetropoulos, W.G.Johnson, A.J.Lazzarini, R.C.Duvoisin, G.Di Iorio, L.I.Golbe, R.L.Nussbaum. "Mutation in the alpha synuclein gene identified in families with Parkinson's disease". Science, 276:2045-2047, 1997
17. Zardadis I., Vezyri E., Kouvelas E., Thanos D., Papamattheakis J., Athanassiadou A. "cDNA cloning of the translocon associated protein β -subunit in the chick cerebellum". Gene, 201:1-4, 1997

18. Lavedan C., Buchholtz S., Auburger G., Albin R.L., Athanassiadou A., Blancato J., Burguera J.A., Ferrell R.E., Kostic V., Leroy E., Leube B., Mota0Vieira L., Papapetrooulos T., Pericak-Vance M.A., Pinkus J., Scott W.K., Ulm G., Vasconcelos J., Vilchez J.J., Mussbaum R.L. and Polymeropoulos M.H. Absence of mutation in the β - and γ -Synuclein genes in familial autosomal dominant Parkinson's disease. *DNA Research* 5:401-402, 1998.
19. Athanassiadou A., Voutsinas G., Psiouri L., Leroy E., Polymeropoulos M., Ilias A., Maniatis G.M., Papapetrooulos Th. "The genetic analysis of Parkinson's Disease families carrying G209A α -synuclein mutation". *Amer.J.Hum.Genetics*, 65:555-558, 1999.
20. Joy P., Sloane-Stanley J., Athanassiadou A., Wood W.G., Thein S.L. "An in vitro expression system for the analysis of mutations of the β -globin gene: validation and application to two mutations in the 5'UTR. *Br J Haematol* , 106(4):938-47. 1999
21. Tsintzou A., Vantarakis A., Panagopoulou O., Athanassiadou A., Papapetropoulou M. Environmental Mycobacteria in drinking water before and after replacement of the water distribution network". *Water, Soil and Air Pollution*, 120 273-282,2000.
22. Pipili-Synetos E, Kritikou S, Papadimitriou E, Athanassiadou A., Flordellis C, Maragoudakis, M.E. "Nitric oxide synthase expression, enzyme activity and NO production during angiogenesis in the chick chorioallantoic membrane". *Br J Pharmacol.* 129(1):207-13, 2000
23. Torres R., Leroy E., Hu X., Katrivanou A., Gourzis PH., Papachadjopoulou A., Athanassiadou A., Beratis S., Collier D., Polymeropoulos M.H. "Mutation screening of the Wolfram Syndrome gene in Phyciatric patients, *Mol. Psychiatry*, 6(1): 39-43, 2001.
24. Papapetrooulos S., Paschalis C., Athanassiadou A., Papadimitriou A., Ellul J., Polymeropoulos M., Papapetrooulos Th. "Clinical phenotype patients in with α -synuclein Parkinson's disease living in Greece in comparison with patients with sporadic Parkinson's disease ". *Journal of Neurology, Neurosurgery and Phychiatry*, 70(5):662-665, 2001
25. Papapetrooulos S., Papapetrooulos T, Athanassiadou A., Papadimitriou A., Polymeropoulos M., No male predomonance in α - synuclein Parkinson's disease but the affected female fetus might be less viable.*J Neurol Neurosurg Psychiatry (CORRESPONDENCE)* 72 :277-8. 2002
- 26 Sgourou A., A. Papachatzopoulou, L. Psiouri, M. Antoniou, N. Zoumbos, R. Gibbs and A. Athanassiadou. The β - globin C \rightarrow G mutation at 6bp 3' to the termination codon causes β -thalassaemia by decreasing the mRNA level, *Brit. J. Haematology*.118:1-6, 2002
27. Chow C.M., A. Athanassiadou, S. Raguz, L. Psiouri, L. Harland, M. Malik, M.A. Aitken, F. Grosveld and M. Antoniou. LCR-mediated, long-term tissue specific gene expression within replicating episomal plasmid vectors, *Gene Therapy* 5 :327-36, 2002
28. Papapetrooulos S., C. Paschalis, J. Ellul, Th. Papapetrooulos, A. Athanassiadou Survival duration of Parkinson's disease in patients living in Greece who carry the G209A α -synuclein mutation. *Movement disorders*, 17 (4) 847-848, 2002
29. S. Papapetrooulos, J. Ellul, C. Paschalis, A. Athanassiadou, A. Papadimitriou and T. Papapetrooulos. Clinical characteristics of the alpha-synuclein mutation (G209A)-associated Parkinson's disease in comparison with other forms of familial Parkinson's disease in Greece. *European Journal of Neurolog.* 10:281-6, 2003
30. Puiu L., E.Petrakou, A. Apostolidou, A. Athanassiadou L. Psiouri. A. Papachatzopoulou, G.M. Maniatis, E. Tzoracoeleftherakis.,and G.Voutsinas. Lack of Fas (APO1/CD95) gene structural alterations or transcript variants ratio changes in breast cancer. *Cancer Letters*, 194: 91-93, 2003.
31. Argyro Sgourou, M.I Antoniou, L. Psiouri, A. Papachatzopoulou and A. Athanassiadou. Mutations at the 5' UTR of the human β -globin gene transcription. *Brit.J. Haematol.* 124, 828-835, 2004
- 32 . A.Athanassiadou, Competitive Oligoprimering. *Molecular Diagnostics*

- EDITORS: George P. Patrinos, Wilhelm Ansorge, Elsevier, 2004
33. Eirini P. Papapetrou, Nicholas C. Zoumbos, Aglaia Athanassiadou: Genetic modification of hematopoietic stem cells with non-viral systems: past progress and future prospects *Gene Therapy* Oct;12 Suppl 1:S118-30 2005.
 34. Vantarakis AC, Tsibouxi A, Venieri D, Komninou G, Athanassiadou A, Papapetropoulou M. Evaluation of microbiological quality of coastal waters in Greece. *Water Health*. Dec;3(4):371-80. 2005
 35. Eirini P Papapetrou, Panos G Ziros, Ilina D Micheva, Nicholas CZoumbos, Aglaia Athanassiadou. Gene transfer into human hematopoietic progenitor cells with an episomal vector carrying a S/MAR elemen. *Gene Therapy*;13(1):40-51. 2006
 36. Papachatzopoulou A, Kourakli A, Makropoulou P, Kakagianne T, Sgourou A, Papadakis M, Athanassiadou A. Genotypic heterogeneity and correlation to intergenic haplotype within high HbF beta-thalassemia intermedia. *Eur J Haematol*. Apr;76(4):322-30, 2006
 37. Golbe LI, Di Iorio G, Markopoulou K, Athanassiadou A, Papapetropoulos S, Watts RL, Vance JM, Bonifati V, Williams TA, Sychala JR, Stenroos ES, Johnson WG. Glutathione S-transferase polymorphisms and onset age in alpha-synuclein A53T mutant Parkinson's disease. *Am J Med Genet B Neuropsychiatr Genet*. Mar 5;144(2):254-8. 2007
 38. Ki C.S., E.F.Stavrou, N.Davanos, W.Y.Lee, E.J.Chung, J-Y Kim, A.Athanassiadou. The Ala53Thr mutation in the α -synuclein gene in a Korean family with Parkinson disease. *Clinic. Genetics*, 71 : 471-473, 2007.
 39. Giannakopoulos A¹, Stavrou E.F¹, Zarkadis I¹, Zoumbos N², Thrasher AJ³, Athanassiadou A¹. The functional role of S/MARs in EBV-based episomal vectors as defined by the stress-induced destabilization profile of the vector backbone sequences *J. Mol. Biol.* 387, 1239–1249, 2009
 40. Argyro Sgourou Samantha Routledge, Aglaia Athanassiadou Dionysios Spathas and Michael . Physiological Levels of *HBB* Transgene Expression from Replicating Episomal vectors based on the chromosomal element S/MAR. *J.of Biotechnology*, 143 85–94, 2009
 41. Gerassimos E. Voutsinas, Eleana F. Stavrou, Gerassimos Karousos, Aggeliki Dasoula, Adamantia Papachatzopoulou, Maria Syrrou, Annemieke J.M.H. Verkerk, Peter van der Spek, George P. Patrinos, Reinhard Stoger and Aglaia Athanassiadou. Allelic Imbalance of Expression and Epigenetic Regulation within the Alpha-Synuclein Wild-Type and p.Ala53Thr Alleles in Parkinson Disease. *Human Mutation*. March; 31, 1-7, 2010
 42. Gabriel Dimitriou, Despina Papakonstantinou, Eleana F Stavrou, Sotirios Tzifas, Aggeliki Vervenioti, Anny Onufriou, Aglaia Athanassiadou and Stefanos Mantagos. Aessesarochciation of circulating angiotensin converting enzyme activity with respiratory muscle function in infants. *Respiratory Research*., 11:57, 2010
 43. Papachatzopoulou A, Kourakli A, Stavrou EF, Fragou E, Vantarakis A, Patrinos GP, Athanassiadou A. Region- specific genetic heterogeneity of HBB mutation distribution in South-Western Greece. *Hemoglobin*. 2010;34(4):333-42.
 44. Dimitriou G, Papakonstantinou D, Stavrou EF, Tzifas S, Vervenioti A, Athanassiadou A, Mantagos S. Angiotensin- converting enzyme gene polymorphism and respiratory muscle function in infants. *Pediatr Pulmonol*. 2010 Sep 1
 45. Alexopoulos D, Dimitropoulos G, Davlourous P, Xanthopoulou I, Kassimis G, Stavrou EF, Hahalis G, Athanassiadou A. Prasugrel overcomes high on-clopidogrel platelet reactivity post-stenting more effectively than high-dose (150-mg) clopidogrel: the importance of CYP2C19*2 genotyping. *JACC Cardiovasc Interv*. 2011 Apr;4(4):403-1
 46. Elena Vezyri , Angeliki Mikrou, Aglaia Athanassiadou, Ioannis K Zarkadis .

- Molecular cloning and expression of Aven gene in chicken Protein J. 2011 Jan;30(1):72-6. doi: 10.1007/s10930-011-9304-6.
47. Kassimis G, Davlouros P, Xanthopoulou I, Stavrou EF, Athanassiadou A, Alexopoulos D. CYP2C19*2 and other genetic variants affecting platelet response to clopidogrel in patients undergoing percutaneous coronary intervention. *Thromb Res*. 2011 Aug 8.
 48. Yannaki E, Papayannopoulou T, Jonlin E, Zervou F, Karponi G, Xagorari A, Becker P, Psatha N, Batsis I, Kaloyannidis P, Tahynopoulou V, Constantinou V, Bouinta A, Kotta K, Athanassiadou A, Anagnostopoulos A, Fassas A, Stamatoyannopoulos G. Hematopoietic Stem Cell Mobilization for Gene Therapy of Adult Patients With Severe β -Thalassemia: Results of Clinical Trials Using G-CSF or plerixafor in Splenectomized and Nonsplenectomized Subjects. *Mol Ther*. 2011 Sep 27. doi: 10.1038/mt.2011.195.
 49. N. Heinz, K. Nehlsen, S. Broll, S. Wagner, G. Laible, W. Kues, A. Athanassiadou, M. Schleef, J. Bode Replicating minicircles: Overcoming the limitations of transient and stable expression systems *Human Gene Therapy* 10/2011; 22(10):A30.
 50. Alexopoulos D, Theodoropoulos KC, Stavrou EF, Xanthopoulou I, Kassimis G, Tsigkas G, Damelou A, Davlouros P, Hahalis G, Athanassiadou A. Prasugrel versus high dose clopidogrel to overcome early high on clopidogrel platelet Randomized Controlled Trial *Cardiovasc Drugs Ther*. 2012 Oct;26(5):393-400. doi: 10.1007/s10557-012-6407-z
 51. Aristidis Giannakopoulos, Eleana F. Stavrou, Aglaia Athanassiadou Technology of gene transfer: non-viral vectors *Haema* 2016; 7(1): 72-80 Copyright EAE
 52. Kassimis G., Stavrou EF, Alexopoulos D, Athanassiadou A. Cytochrome P450 2C19 polymorphism and antiplatelet therapy. Who should really be genotyped? *Curr Pharm Des*. 2013;19(13):2489-95.
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