

Dr GEORGIA STEPHANOU

**PROFESSOR IN GENETICS
CURICULLUM VITAE**



**DEPARTMENT OF BIOLOGY
UNIVERSITY OF PATRAS
PATRAS, GREECE**

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PERSONAL

First name: Stephanou-Dimopoulou

Second name: Georgia

Date of birth: February, 1951

Place of birth: Athens

Family status: Married, one daughter

PROFESSIONAL AND ACADEMIC STATUS

Professor in Genetics, University of Patras

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COURSES THAT I HAVE TAUGHT DURING MY CAREER AT THE UNIVERSITY OF PATRAS

1. Genetics I and II (Biology Department)
2. Cell Biology (Biology Department)
3. Genetics and Pharmacogenetics (Pharmaceutical Department)
5. Basic and Behavioral Genetics (Department of Primary Education)
6. Medical and Human Genetics (Biology Department)
7. Genetic Toxicology (Biology Department, postgraduate)
8. Applications in Genetic Analysis (Biology Department, postgraduate)
9. Applications in Molecular genetics (Biology Department, postgraduate)
10. Issues in Human Cytogenetics (Medical Department, postgraduate)
11. Ecological Genetics and Ecotoxicology (Interdepartmental Postgraduate programme)

Supervisor of:

1. Eleven students for the Master degree
2. Four students for the PhD degree (three completed and one under completion)
3. Thirty three students for the Diploma Thesis
4. I have been co-supervisor of four students for the Master degree and member of the examination committee for many others.

5. I have also been member of the supervising and the examination committee for more than ten PhD students.

Publications

1. S.N. Alahiotis and **G. Stephanou** (1982)
Temperature adaptation of *Drosophila* populations. The heat shock protein system.
Comparative Biochemistry and Physiology, 73B, p.p. 529-533.

2. **G. Stephanou** and Th.Georgiadis (1982)
IOPB Chromosome Number Reports LXXVII. Chromosome numbers of 9 species of the genus *Anthemis*.
Taxon, Vol. 31, p. 764.

6. **Stephanou, G.**, Alahiotis, S., Marmaras, V. and Christodoulou, C. (1982)
The heat shock system (HS) in *Ceratitis capitata*.
Abstracts of Special FEBS meeting on Cell function and differentiation, p. 263, Athens.

7. **G. Stephanou** and S.N. Alahiotis (1983)
Adaptive significance of the Adh locus through the heat shock protein system in *D. melanogaster*.
Abstracts of the International Conference in Biochemical and Developmental Genetics, p. 35, Kos, Greece.

5. **G. Stephanou** and S.N. Alahiotis (1983)
Non-Mendelian Inheritance of "heat-Sensitivity" in *Drosophila melanogaster*.
Genetics, Vol. 103, p.p. 93-107.

6. **G. Stephanou**, S.N. Alahiotis, C. Christodoulou and V.J. Marmaras (1983)
Adaptation of *Drosophila* to temperature: Heat shock proteins and survival in *Drosophila melanogaster*.
Developmental Genetics, Vol. 3, p.p. 299-308.

7. **G. Stephanou**, S.N. Alahiotis, V.J. Marmaras and C. Christodoulou (1983)
Heat shock response in *Ceratitis capitata*.
Comparative Biochemistry and Physiology, Vol. 74B, p.p. 425-432.

8. **Stephanou, G.** (1985).

Preliminary data on the control of heat shock protein synthesis in two strains of *Drosophila melanogaster* and *Ceratitis capitata*.
Genetics, Vol. 110, p. s100.

9. **G. Stephanou** and S.N. Alahiotis (1986)

Adaptive significance of the action of the *Drosophila melanogaster* alcohol dehydrogenase locus through the heat shock protein system.
Genetica, Vol. 69, p.p. 59-68.

10. **Georgia Stephanou** and Nikos A. Demopoulos (1986)

Heat shock phenomena in *Aspergillus nidulans*. I. The effect of heat on mycelial protein synthesis.
Current Genetics, Vol. 10, p.p. 791-796.

11. **Georgia Stephanou** (1987)

On the control of heat shock protein synthesis in *Drosophila melanogaster* and *Ceratitis capitata*.
Insect Biochemistry, Vol.17, p.p. 4597-602.

12. **Georgia Stephanou** and Nikos A. Demopoulos (1987)

Heat shock phenomena in *Aspergillus nidulans*. II. Combined effect of heat and Bleomycin to heat shock protein synthesis, survival rate and induction of mutations.
Current Genetics, Vol. 12, p.p. 443-448.

13. **Stephanou, G** and N. Demopoulos (1988)

Combined effect of heat and neugenic on *Aspergillus nidulans*.
Mutation Research, Vol. 203, p. 229.

14. K. Psaraki, N.A. Demopoulos, **G. Stephanou** and C. Camoutsis (1990)

The effect of different homo-aza-steroidal esters of m-N,N-bis-(2-chloro-ethyl) amino cinnamic acid on SCEs, chromosomal aberration frequencies and protein synthesis rate in human lymphocyte cultures.
Mutation Research, Vol. 234, p. 399.

15. **G. Stephanou**, N.A. Demopoulos and P. Catsoulacos (1990)
The effects of a new cytostatic compound NSC 294859 on mutation rate and protein synthesis rate in different test systems.
Mutation Research, Vol. 234, p. 403.
16. Demopoulos, N.A., **Stephanou, G.**, Psaraki, K. (1990)
Induction of Sister Chromatid Exchanges in lymphocytes from cancer patients of normal donors exposed in antitumour drugs *in vivo* or *in vitro*.
In: Biomonitoring of Human Populations Exposed to Genotoxic Environmental Chemicals.
CEC Contact Group Meeting Report, p.p. IV.1-IV.14. Espoo, Finland.
17. **G. Stephanou**, N.A. Demopoulos and P. Catsoulacos (1991)
Altered protein synthesis rate in ovaries of *D.melanogaster* caused by new antitumour agents.
International Journal of Biochemistry, Vol.23, p.p.1251-1254.
18. **Stephanou G.**, N.A. Demopoulos and P. Catsoulacos (1991)
Genotoxic effect of the new antitumour agent NSC 294859 tested in the *Drosophila* wing somatic mutation and recombination test.
Mutagenesis, Vol.6, p.p.325-328.
19. Sorsa, M., K. Autio, A. Abbodandolo, E. Carbonell, N. Demopoulos, C. Garner, M. Kirsch-Volders, R. Marcos, E. Marafante, A.T. Natarajan, E.M. Parry, K. Psaraki, **G. Stephanou**, A.D. Tates and R. Waters (1992)
Evaluation of *in vitro* cytogenetic techniques in nine European laboratories in relation to chromosomal endpoints induced by three model mutagens.
Mutation Research. Genetic Toxicology and Environmental Mutagenesis, Vol. 271, p.p. 261-267.
20. Vlastos, D., K. Psaraki, **G. Stephanou**, N.A. Demopoulos and D. Tsambaos (1993)
Genotoxic effects of Cetirizine dihydrochloride on human lymphocyte cultures *in vitro*.
Mutation Research, Vol. 291, p. 283.
21. Vlachodimitropoulos, D., H. Jarventaus, **G. Stephanou**, M. Sorsa, and N.A. Demopoulos (1993)
Biomonitoring of workers occupationally exposed to 1,3 butadiene.
Abstracts of 23rd annual meeting of EEMS, Barcelona, Spain.

22. **Stephanou, G.**, D. Vlastos, D. Vlachodimitropoulos and N.A. Demopoulos (1994).

The effect of MNU on human lymphocyte cultures *in vitro*, evaluated by O6-medGuo formation and micronuclei.

Abstracts of 24th annual meeting of EEMS, p.66, Poznan, Poland.

23. M. Sorsa, K. Autio, N.A. Demopoulos, H. Järventaus, P. Rössner, R.J. Šrám, **G. Stephanou** and D. Vlachodimitropoulos (1994)

Human cytogenetic biomonitoring of occupational exposure to 1,3 butadiene.

Mutation Research. Fundamental and Molecular Mechanisms of Mutagenesis, Vol. 309, p.p. 321-326.

24. **Stephanou, G.**, D. Vlastos, D. Vlachodimitropoulos and N.A. Demopoulos (1994).

The effect of MNU on human lymphocyte cultures *in vitro*, evaluated by O6-medGuo formation and micronuclei.

Abstracts of 24th annual meeting of EEMS, p.66, Poznan, Poland.

25. E. Carbonell, N.A Demopoulos, **G. Stephanou**, K. Psaraki, E.M Parry and R. Marcos (1996)

Cytogenetic analysis in peripheral lymphocytes of cancer patients treated with cytostatic drugs : results from an EC Collaborative Study.

Anti-Cancer Drugs, Vol.7, p.p. 514-519.

26. **G. Stephanou**, D. Vlastos, D. Vlachodimitropoulos and N.A. Demopoulos (1996)

A comparative study on the effect of MNU on human lymphocyte cultures *in vitro* evaluated by O6-mdG formation, micronuclei and sister chromatid exchanges induction.

Cancer letters, Vol.109, p.p. 109-114.

27. A.D. Tates, F.J. van Dam, F.A.de Zwart, F. Darroudi, A.T. Natarajan, P.Rössner, K. Peterková, K. Peltonen, N.A. Demopoulos, **G. Stephanou**, D. Vlachodimitropoulos, and R.J. Šrám (1996)

Biological effect monitoring in industrial workers from the Czech Republic exposed to low levels of butadiene.

Toxicology, Vol. 113, p.p. 91-99.

28. V. Macheraki, V. Orphanos, S. Kamakari, M. Kokkinaki, **G. Stephanou**, N. Demopoulos, G. M. Maniatis, N. Moschonas and D. Spathas (1996)

In: Use of fluorescence in situ hybridization for mapping and ordering YAC clones from chromosomal regions with suspected tumor-suppressor activity.

Analytical Use of Fluorescent Probes in Oncology, pp. 419-421, Plenum Press, N.Y.

29. K. Psaraki, N.A Demopoulos, **G. Stephanou** and Ch. Camoutsis (1997)
m-N,N-bis(2-chloroethyl)aminocinnamic acid and four new homo-aza-steroidal esters induce chromosomal abnormalities and affect protein synthesis in human lymphocytes *in vitro*.

Anti-Cancer Drugs, Vol. 8, p.p. 73-79.

30. **G. Stephanou**, C. Andrianopoulos, D. Vlastos, N.A. Demopoulos and A. Russo (1997)

Induction of micronuclei and sister chromatid exchanges in mouse splenocytes after exposure to the butadiene metabolite 3,4-epoxy-1-butene.

Mutagenesis, Vol.12, p.p. 425-429.

31. **G. Stephanou**, A. Russo, D. Vlastos, C. Andrianopoulos and N.A. Demopoulos (1998)

Micronucleus induction in somatic cells of mice as evaluated after 1,3-butadiene inhalation.

Mutation Research. Fundamental and Molecular Mechanisms of Mutagenesis, Vol. 397, p.p. 11-20.

32. D. Vlastos, **G. Stephanou** and N.A. Demopoulos (1998)

Effects of Cetirizine dihydrochloride on human lymphocytes *in vitro*. Evaluation of chromosome aberrations and sister chromatid exchanges.

Skin Pharmacology and Applied Skin Physiology, Vol. 11, p.p. 104-110.

33. D. Vlastos and **G. Stephanou** (1998)

Effects of Cetirizine dihydrochloride on human lymphocytes *in vitro*. Evaluation of clastogenic and aneugenic potential using CREST and FISH assays.

Archives of Dermatological Research, 290, p.p. 312-318.

34. R. J. Šräm, P. Rössner, K. Peltonen, K. Podrazilová, **G. Mračková**, N. A. Demopoulos, **G. Stephanou**, D. Vlachodimitropoulos, F. Darroudi, A. D. Tates (1998).

Chromosomal aberrations, sister chromatid exchanges, cells with high frequency of SCE, micronuclei and comet assay parameters in 1,3-butadiene exposed workers.

Mutation Research. Genetic Toxicology and Environmental Mutagenesis, 419, p.p. 145-154.

35. Andrianopoulos C., **Stephanou G.**, Demopoulos N. A. (1999)
Hydrochlorothiazide (HTCZ) aneugenic activity as revealed in human lymphocyte cultures treated in vitro. Proceedings of the 21st Annual Conference of the Hellenic Society for Biological Sciences, Syros, Hellas, p. 14.

36. Vlastos D, **Stephanou G** (1999)
Cetirizine effects on human lymphocytes-Reply
Archives of Dermatological Research, 291, p. 245.

37. Vlastos D, **Stephanou G**, Demopoulos NA (1999)
Cetirizine effects on human lymphocytes-Reply
Skin Pharmacology and Applied Skin Physiology, 12, p. 364.

38. **G. Stephanou**, C. Andrianopoulos, N. A. Demopoulos and D. Tsambaos (2000)
Antimutagenic effects of Acitretin.
Skin Pharmacology and Applied Skin Physiology, Vol. 13, p. 209. *Plenary Lecture*

39. C. Andrianopoulos, **G. Stephanou**, E. Politi and N. A. Demopoulos (2000).
Evaluation and characterization of micronuclei induced by the antitumour agent ASE, namely 3 β -hydroxy-13 α -amino-13, 17-seco-5 α -androstan-17-oic-13, 17-lactam-p-bis(2-chloroethyl)aminophenyl acetate in human lymphocyte cultures.
Mutagenesis, Vol. 15, p.p. 215-221.

40. P. Papapavlou, D. Vlastos, **Stephanou, G** and N.A. Demopoulos (2000)
Proceedings of the 1st European Conference on pesticides and related organic micropollutants in the environment, p. 289, Ioannina, Greece.

41. M. Tyrakis, M. Konti, C. Andrianopoulos, **G. Stephanou**, N.A. Demopoulos and D. Tsambaos (2001)
Cytogenetic effects of the effect of the synthetic retinoid acitretin on human lymphocytes, *in vitro*.
Proceedings of the 23rd Annual Conference of the Hellenic Society for Biological Sciences, Chios, Hellas, p. 181.
42. S.A. Kyrtopoulos, P. Georgiadis, H. Autrup, N. A. Demopoulos, P. Farmer, A. Haugen, K. Katsouyianni, B. Lambert, S. Overbö, R. Šrám, **G. Stephanou** and J. Topinka (2001)
Biomarkers of genotoxicity of urban air pollution: Overview and descriptive data from a molecular epidemiology study on population exposed to moderate to low levels of polycyclic aromatic hydrocarbons (the AULIS project).
Mutation Research. Genetic Toxicology and Environmental Mutagenesis, Vol. 496, p.p. 207-228.
43. P. Papapavlou, D. Vlastos, **G. Stephanou** and N. A. Demopoulos (2001)
Linuron cytogenetic activity on human lymphocytes treated *in vitro*. Evaluation of clastogenic and aneugenic potential using cytokinesis block micronucleus assay in combination with Fluorescence *In Situ* Hybridization (FISH).
Fresenius Environmental Bulletin, Vol. 10, p.p. 431-437.
44. **Georgia Stephanou** (2002)
Retinoid effects on spontaneous genetic alterations and on those induced by chemical and physical agents. Review article
In: D. Tsambaos and H. Merk (Eds.), "Modern Trends in Skin Pharmacology: Molecular and Clinical Aspects." Pp.169-188, Parissianos, Athens.
45. K. Bakou, **G. Stephanou**, C. Andrianopoulos and N. A. Demopoulos (2002)
Spontaneous and spindle poison-induced micronuclei and chromosome non-disjunction in cytokinesis-blocked lymphocytes from two age groups of women.
Mutagenesis, Vol. 17, p.p. 233-239.
46. Andrianopoulos C., Stephanou G., Demopoulos N. (2003)
Immunofluorescence Staining Of α - and γ - Tubulin Revealed Abnormalities In The Mitotic Spindle Of The Murine Cell Line C₂C₁₂ After Treatment With Hydrochlorothiazide (HCTZ)

Proceedings of the 23rd Annual Conference of the Hellenic Society for Biological Sciences, Mytilini, Hellas, p. 29.

47. Kouloumenta A, Stephanou G, Demopoulos N, Nikolaropoulos S. (2003) Fluorescence *In Situ* Hybridization (Fish) As A Tool To Study Structure-Genetic Activity Relationship Of Omo-Aza-Steroidal Derivatives With Antineoplastic Activity
Proceedings of the 23rd Annual Conference of the Hellenic Society for Biological Sciences, Mytilini, Hellas, p.159.

48. Pappa A., Papadelis E., Stephanou G., Demopoulos N. (2003) Comparative Study Of Spontaneous Micronucleous Frequencies In Human Peripheral Lymphocytes And Buccal Cells.
Proceedings of the 23rd Annual Conference of the Hellenic Society for Biological Sciences, Mytilini, Hellas, p. 253

49. P. Georgiadis , N. A. Demopoulos , J. Topinka , **G. Stephanou** , M. Stoikidou , M. Bekyrou , K. Katsouyianni , R. Šräm , H. Autrup and S. A. Kyrtopoulos (2004)
Impact of phase I or phase II enzyme polymorphisms on lymphocyte DNA adducts in subjects exposed to urban air pollution and environmental tobacco smoke.
Toxicology Letters, Vol. 149, p.p. 269-280.

50. **G. Stephanou**, C. Andrianopoulos, M. Tyrakis, M. Konti, N.A. Demopoulos and D. Tsambaos (2004)
In vitro antigenotoxic potential of acitretin in human lymphocytes treated with the antineoplastic alkylating agent ASE (NSC-71964)
Toxicology In Vitro, Vol. 18, p.p. 609-616.

51. Andrianopoulos C., Salamastrakis S., Stephanou G. Demopoulos N.A. (2005)
Combined immunofluorescence assay of microtubules and kinetochore in C₂C₁₂ mouse cells reveals neogenic activity of the pharmaceutical compound hydrochlorothiazide (HCTZ). Proceedings of the 1st Bioscience Conference of the University of Patras, Patras, Hellas, p. 288.

52. Ouranou D., Stephanou G., Demopoulos N.A. (2005)
Polymorphisms of the GSTM1 and GSTT1 genes in a sample of young individuals. Proceedings of the 1st Bioscience Conference of the University of Patras, Patras, Hellas, p. 290.

53. Efthimiou M., Andrianopoulos C., Stephanou G., Demopoulos N.A., Nikolaropoulos S. (2005)

The combined use of CBMN and FISH methods as a tool for cytogenetic analysis of the effect of alkylating cytostatic compounds in human lymphocytes treated in vitro. Proceedings of the 6th Conference of Medicinal Chemistry: Drug Discovery and Design. Patras, Hellas, p. 64

54. Asimina Kouloumenta, **Georgia Stephanou**, Nikos A. Demopoulos, and Sotiris S. Nikolaropoulos (2005)

Genetic effects caused by potent antileukemic steroidal esters of chlorambucil's active metabolite.

Anti-Cancer Drugs, Vol. 16, p.p. 67-75.

55. C. Andrianopoulos, **G. Stephanou**, N.A. Demopoulos (2005)

Hydrochlorothiazide enhances micronucleus formation and affects chromosome segregation in cultured human lymphocytes. Abstracts of 35th Annual Meeting of the EEMS, p. 104, Kos, Greece.

56. Efthimiou M., Andrianopoulos C., **Stephanou G.**, Demopoulos N.A. and Nikolaropoulos S. S. (2005)

Effects of nitrogen mustard analogues on mitotic spindle of C2C12 mouse cell line. Abstracts of 35th Annual Meeting of the EEMS, p. 109, Kos, Greece.

57. Salamastrakis S., C. Andrianopoulos, **G. Stephanou**, N.A. Demopoulos (2005)

Treatment of C2C12 mouse cell line with hydrochlorothiazide revealed microtubule disorganization and abnormal mitotic figures.

Abstracts of 35th Annual Meeting of the EEMS, p. 115, Kos, Greece.

58. Alexandra Monastirli, **Georgia Stephanou**, Sophia Georgiou, Constantinos Andrianopoulos, Efi Pasmatzis, Elizabeth Chroni, Aggeliki Katrivanou, Panagiotis Dimopoulos, Nikos A. Demopoulos, Dionysios Tsambaos (2005)

Short Stature, Type E Brachydactyly, Exostoses, Gynecomastia And Cryptorchidism In A Patient With 47,Xyy/46,Xy/45,X Mosaicism
The American Journal Of The Medical Sciences, Vol. 329, p.p. 208-210.

59. Panagiotis Georgiadis, Jan Topinka, Dimitris Vlachodimitropoulos, Melpomeni Stoikidou, Maria Gioka, **Georgia Stephanou**, Herman Autrup,

Nikolaos A. Demopoulos, Klea Katsouyanni, Radim Sram, and Soterios A. Kyrtopoulos (2005)

Interactions between CYP1A1 polymorphisms and exposure to environmental tobacco smoke in the modulation of lymphocyte bulky DNA adducts and chromosomal aberrations

Carcinogenesis, Vol. 26, p.p. 93-101.

60. Efi Pasmatzi, Dimitrios Vlastos, Alexandra Monastirli, **Georgia Stephanou**, Sophia Georgiou, Theophilos Sakkis, Dionysios Tsambaos (2005)

Ehlers-Danlos Type IV Syndrome In A Patient With Down Syndrome : Simple Co-Occurrence Or True Association ?

The American Journal Of The Medical Sciences, 331(1), P.P. 48-50.

61. Constantinos Andrianopoulos, **Georgia Stephanou**, and Nikos A. Demopoulos (2006)

Genotoxicity of hydrochlorothiazide in cultured human lymphocytes; I. Evaluation of chromosome delay and chromosome breakage

Environmental and Molecular Mutagenesis, Vol. 47, p.p. 169-178.

62. **Georgia Stephanou**, Michael Tyrakis, Asimina Kouloumenta, Constantinos Andrianopoulos, Nikos A. Demopoulos (2006)

Increased Genomic Instability in Peripheral Lymphocytes of Down Syndrome Patients due to Increased Rate of Chromosome Non-Disjunction

Abstracts of 36th Annual Meeting of the EEMS, p. 161, Prague, Czech Republic.

63. M. Efthimiou, C. Andrianopoulos, **G. Stephanou**, N. A. Demopoulos, S. S. Nikolaropoulos (2007)

Aneugenic potential of the nitrogen mustard analogues melphalan, chlorambucil and *p*-n,n-bis(2-chloroethyl)aminophenylacetic acid in cell cultures *in vitro*

Mutation Research. Fundamental and Molecular Mechanisms of Mutagenesis, Vol. 6177, p.p. 125-137.

64. Ouranou D., **Stephanou G.**, Demopoulos N.A. (2007)

Frequencies Of Polymorphic Genes That Participate In: A) Dna Repair Mechanisms And B) Detoxification Mechanisms Of Chemical Compounds Through The Glutathione System In A Greek Population Sample.

Proceedings of the 29th Annual Conference of the Hellenic Society for Biological Sciences, Kavala. Hellas, p.p. 309.

65. R. Alakhras, M. Efthimiou, **G. Stephanou**, N.A. Demopoulos, S.S. Nikolaropoulos (2008)
Human Lymphocytes Exposed *In Vitro* To All-Trans Retinoic Acid (Atra) And Its Steroidal Analogue (Ea-4) Exert Increased Micronucleus Frequency
Proceedings of the 309th Annual Conference of the Hellenic Society for Biological Sciences, Thessaloniki, Hellas, p.p. 18

66. M. Efthimiou, **G. Stephanou**, N.A. Demopoulos, S.S. Nikolaropoulos (2008)
Comparative Study Of Genetic Activity Of Nitrogen Mustard Analogues
Proceedings of the 309th Annual Conference of the Hellenic Society for Biological Sciences, Thessaloniki, Hellas, p.p. 122

67. Panayides A., Ouranou D., **Stephanou G.**, Demopoulos N.A. (2008)
Evaluation Of The Effect Of Polymorphism Ser326cys Of The Hogg1 Gene On The Cytogenetic And Cytotoxic Activity Of The Anticancer Drug Doxorubicin In Human Lymphocytes Cultured *In Vitro*
Proceedings of the 309th Annual Conference of the Hellenic Society for Biological Sciences, Thessaloniki, Hellas, p.p.370

68. K. Trochoutsou , M. Efthimiou, **G. Stephanou**, N.A. Demopoulos (2008)
Study Of The Relationship Between Apoptosis And Micronucleated Cells Induced By The Anticancer Drug Doxorubicin On The Mouse Cell Line C₂C₁₂
Proceedings of the 309th Annual Conference of the Hellenic Society for Biological Sciences, Thessaloniki, Hellas, p.p. 484

69. Zacharaki P., Stephanou G., Demopoulos N.A. (2010)
Investigation Of The Genetic Changes Induced By Nocodazole
Proceedings of the 32nd Annual Conference of the Hellenic Society for Biological Sciences, Karpenissi, Hellas. p.p. 105

70. R. Alakhras, G. Stephanou, N.A. Demopoulos , S.S. Nikolaropoulos. (2010)
Elucidation Of The *In Vitro* Aneugenic Activity Of All-Trans Retinoic Acid And Its Steroidal Analogue Ea-4.

Proceedings of the 32nd Annual Conference of the Hellenic Society for Biological Sciences, Karpenissi, Hellas. p.p. 1172.

71. M. Efthimiou, D. Ouranou, **G. Stephanou**, N.A. Demopoulos, S.S. Nikolaropoulos, Ph. Alevizos (2010)

Comparative study of genetic activity of chlorambucil's active metabolite steroidal esters: The role of steroidal skeleton on aneugenic potential.

Mutation Research, 689 (1-11).

72. R. Alakhras, G. Stephanou, N.A. Demopoulos , S.S. Nikolaropoulos. (2011) *In Vitro* Investigation On Dna Fragmentation Induced By All-Trans Retinoic Acid And Its Steroidal Analogue Ea-4.

Proceedings of the 33nd Annual Conference of the Hellenic Society for Biological Sciences,Edessa, Hellas.

73. R. Alakhras, G. Stephanou, N.A. Demopoulos , S.S. Nikolaropoulos. (2011) *In Vitro* Investigation On Dna Fragmentation Induced By All-Trans Retinoic Acid And Its Steroidal Analogue Ea-4. Proceedings of the 33nd Annual Conference of the Hellenic Society for Biological Sciences, Edessa, Hellas.
74. Zacharaki P., Stephanou G., Demopoulos N.A. (2011). *In Vitro* Comparative Study Of The Aneugenic Potential Of The Drugs Nocodazole (Noc), Paclitaxel (Ptx) & Griseofulvin (Gf). Proceedings of the 33nd Annual Conference of the Hellenic Society for Biological Sciences, Edessa, Hellas.
75. Raghda S. Alakhrasa, **Georgia Stephanou** , Nikos A. Demopoulos , Sotiris S. Nikolaropoulos (2011)
Genotoxicity of all-trans retinoic acid (ATRA) and its steroidal analogue EA-4 in human lymphocytes and mouse cells in vitro. *Cancer Letters* 306, 15-26.
76. Zacharaki P, **Stephanou G**, Demopoulos NA. (2012) Comparison of the aneugenic properties of nocodazole, paclitaxel and griseofulvin *in vitro*. Centrosome defects and alterations in protein expression profiles. *J Appl Toxicol.* 33(9), 869-879.
77. V. Chondrou, **G. Stephanou**, N.A. Demopoulos (2012) *In Vitro* Investigation of DNA Fragmentation Induced By The Anticancer Drug Dxorubicin On Human Leukemic HL-60 Cell Line. Proceedings of the 34th Annual Conference of the Hellenic Society for Biological Sciences, Trikala, Hellas, p.p. 329.
78. Raghda S. Alakhras, **Georgia Stephanou**, Nikos A. Demopoulos, Konstantinos Grintzalis, Christos D. Georgiou, Sotirios S. Nikolaropoulos (2013). DNA fragmentation induced by all-trans retinoic acid (ATRA) and its steroidal analogue EA-4 in C₂C₁₂ mouse and HL-60 human leukemic cells *in vitro*. *J Appl Toxicol.* 34(8), 885-892.
79. M. Efthimiou, **G. Stephanou**, N.A. Demopoulos, S.S. Nikolaropoulos (2013)
Aneugenic potential of the anticancer drugs melphalan and chlorambucil. The involvement of apoptosis and chromosome segregation regulating proteins. *J. Appl. Toxicol.* 33(7), 537-545.

80. Raghda Alakhras, Stamatia Bellou, Grammatiki Fotaki, **Georgia Stephanou**, Nikos A. Demopoulos, Seraphim Papanikolaou, George Aggelis (2015) Fatty acid lithium salts from *Cunninghamella echinulata* have cytotoxic and genotoxic effects on HL-60 human leukemia cells. *Eng. Life Sci.* 15, 243-253.

INTERNATIONAL AWARDS

- IRPC International Award. Eminent Scientist of the year 2008 in the field of '**Medical Research and Human Genetics**'
- Our paper "Aneugenic potential.....segregation regulating proteins" ("J Appl Toxicol.2013 Jul;33(7):537-545.") has been selected to be featured in "**World Biomedical Frontiers**" (Section of Cancer), [ISSN: 2328-0166], because of its "innovation and potential for significant impact".

REFEREE IN SCIENTIFIC JOURNALS

- Member of the International Reviewers Panel of the "International Journal Medical Science Monitor".
- Independent referee in International Journal the "British Journal of Pharmacology".
- Reviewer in the International Journal "Mutation Research"
- Reviewer and Editor in the International Journal "Journal of Biological Research"
- Reviewer in the International Journal "Journal of Pediatric Genetics"
- Reviewer in the International Journal "Chemicobiological Interaction"

I have also been reviewer of research projects of the Research Promotion Foundation of Cyprus.

MEMBER OF SCIENTIFIC SOCIETIES.

1. Genetics Society of America (1985-1995)
2. European Environmental Mutagen Society (EEMS)
3. Hellenic Society of the Biological Sciences

PARTICIPATION IN EUROPEAN RESEARCH PROJECTS

1. Biomonitoring of Human Populations Exposed to *Genotoxic Chemicals*
1/1/1989-31/12/1990.

Contract No. EV4V-0178-GR(SP).

2. *Assessment of Environmental and Occupational Exposures to butadiene as a model for risk estimation of Petrochemical emissions.*

1/11/1991- 31/10/1993.

Contract No. STEP-CT91-0152

3. *Multi-endpoint analysis of genetic damage induced by 1,3 butadiene and its major metabolites in somatic and germ cells of mice, rats and man, genetic risk estimation of the parallelogram method.*

1/11/1994-31/10/1995.

Contract No. EV5V-CT94-0543

4. *Biomarkers of Genotoxicity of Urban Air Pollution: A Dose-Response Study.* 1/6/1996 - 31/12/1998.

Contract No. ENV4-CT96-0203