



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ

Εθνικό και Καποδιστριακό
Πανεπιστήμιο Αθηνών

Τμήμα Βιολογίας

Τομέας Βιολογίας Κυττάρου & Βιοφυσικής

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CURRICULUM VITAE LUKAS H. MARGARITIS



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TITLE: Professor Emeritus of Cell Biology, Radiobiology and Electron Microscopy

PLACE OF BIRTH: Nea Erythraia, Athens, Greece.

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PRESENT POSITION: Professor Emeritus (as of Sept 2010), Dept of Cell Biology and Biophysics, Faculty of Biology, Athens University. Group Leader of the Electromagnetic Biology Research Group, Faculty of Biology, Athens University.
http://kyttariki2.biol.uoa.gr/emr_group.htm

EDUCATION - ACADEMIC ACTIVITIES

1964 - 1972: Undergraduate studies in Physics and Biology, Athens University, School of Sciences.

1966: Training in the Biological applications of the transmission electron microscope (Netherlands, Eindhoven-Philips Laboratories and Rijksuniversiteit Leiden-Laboratorium voor electronenmicroscopie under the supervision of Professor Th. Daems and Dr. E. Wisse).

1969: Training on freeze-fracturing (Balzers, Liechtenstein) and on Zeiss photomicroscope (Oberkochen, Germany)

1973: Training on biochemical techniques in Johns Hopkins University (Baltimore, with Professor E.N. Moudrianakis) and on Scanning Electron microscopy in the Biological Laboratories, Harvard University (Cambridge, Mass, USA).

1974: Ph.D.Thesis (Athens University, Dept. of Biology, under the supervision of Prof. F.C. Kafatos). Title: "Programmed protein synthesis of specific proteins in cellular differentiation. A contribution to the study of chorion formation in the follicles of *Drosophila melanogaster*".

1974-1976: Post-doctoral researcher and teaching assistant of Cell Biology in the Biological Laboratories, Harvard University (Prof. Daniel Branton).

1975: Lecturer in the Laboratory of Biology, Athens University.

1977: Scholarship from the National Institutes of Health (NIH-USA) for training on the high voltage E.M. at the University of Colorado (Prof. Keith Porter).

1982: Priv. Doz., Athens University. Title "Choriogenesis in *Drosophila melanogaster*: A model system for the study of cellular differentiation"

1983: Assistant Professor of Cell Biology and Electron Microscopy at the Dept. of Biology, Athens University.

1984: Publication of the textbook "Cell Biology, 1st edition" in Greek for the students of the Biological Sciences.

1986-1988: Senate of Athens University council

1987: Publication of the Textbook "Radiobiology: Radiation and Life" in Greek for the course "Biophysics".

1987: Elected Associate Professor of Cell Biology, Faculty of Biology Athens University.

1987-1988: Chairman, Dept. of Biochemistry, Cell-Molecular Biology and Genetics, Athens University.

1989-1991: Chairman, Faculty of Biology, Athens University.

1989: 3rd Edition and updating of the Textbook "Cell Biology" (21 chapters in 654 pages).

1991: Nomination as Greek representative of the E.E.C. programs in Biotechnology (Brussels).

1991: Full Professor of Cell Biology and Electron Microscopy, Faculty of Biology, Athens University

1992-1993: Chairman, Dept. of Biochemistry, Cell-Molecular Biology and Genetics, Athens University.

1995-1997: Chairman, Dept. of Biology, University of Athens

1989-2001: Coordinator ERASMUS program with 33 European Universities

1998-2010: Director, Master's programme "MEDICAL BIOLOGY", by the Dept. of Biology and the Medical School.

1998-2010: Chairman, Dept. of Cell Biology and Biophysics (annual re-election).

2000-present: Annual research grants by the "Research Account" of Athens University on "EMF effects on insects and mice"

2003-2006: HRAKLEITOS postgraduate research program (Ph.D. student A. Velentzas) on "apoptotic mechanisms during oogenesis in the medfly *Ceratitis capitata*."

2004-2006: PYTHAGORAS I postdoctoral research program (postoc Dr. Ourania Konstandi) on "environmental factors affecting aging"

2004: 4th Edition and updating of the Textbook "Cell Biology" (996 pages, including 150 stereo images). co-authors, V. Galanopoulos, C. Keramaris, E. Marinos, I. Papisideri, I.P. Trougakos, D. Stravopodis.

2005-2006: PYTHAGORAS II postdoctoral research program (postoc Dr. Ioannis Nezis) on "cell biological studies of apoptosis during oogenesis in Diptera".

2008: Organizer of the 1st Hellenic Congress on the effects of electromagnetic radiation with international participation, Thessaloniki, Greece.

http://multimedia.biol.uoa.gr/Synedrio_Thess/ProgrENG.htm

2009: Invited speaker, Electromagnetic fields and health. Stavanger, Norway, 14-21 Nov. "Effects of EMF on Memory Function". <http://emf2009.no/index.php/1293327>

2010: Invited speaker, 11th FELASA and 40th Scand-LAS Joint Meeting. New Paradigms in Laboratory Animal Science. "The application of the 3R's concept in EMF radiation research". Marina Congress Center, Helsinki, Finland, 14-17 June 2010. Proceedings, page 77.

2011: Invited speaker, 5th International Conference on Oxidative Stress in Skin Medicine and Biology. Electromagnetic radiation-induced oxidative stress. Oral presentation. Andros, Greece, 1-4 September, 2011. Proceedings, page 97.

2012: Invited speaker, 34th Scientific Conference of the Hellenic Society for Biological Sciences. "Radio-proteomics: The new era in electromagnetic biology. Trikala, Greece, 16-18 May 2012.

2014: Invited speaker, 6th International Conference on Oxidative Stress in Skin Medicine and Biology. Aug 28-31. "EMF induced oxidative stress"

2014: Invited speaker, International congress of the European Radiation Research Society, Sept 15-19. "Can low energy gigahertz photons induce biological damage?"

2012-2015: Coordinator and Scientific Leader of the *THALES MIS375784* Research Grant "Biological effects of non-ionizing electromagnetic fields: a multidisciplinary approach".

2016: UNESCO award for excellent research.

FOREIGN LANGUAGES: English, French, Italian.

TEACHING ACTIVITIES: Cell Biology, Electron Microscopy, Topics in Cell Biology, Biophysics/ Radiobiology, Image analysis and processing, Computers in Biology. Electromagnetic Biology and Health (MSc Program)

MEDIA ACTIVITIES: Frequent TV/Radio/Newspapers interviews related to EMF effects on health (http://kyttariki.biol.uoa.gr/emr_group.htm)

RESEARCH INTERESTS:

- Cellular / Molecular Biology and Biochemistry during gene expression in a model cell system: Insect Choriogenesis.
- Erythrocyte membrane disorders. Radioactive tracers for pharmaceutical applications.
- Effects of irradiation (lasers, UV) on the structure and function of the cornea.
- Effects of electromagnetic fields deriving from mobile phones, wireless DECT telephones, wi-fi routers, baby monitors, microwave ovens and ELF from power lines on model biological systems including insects (*Drosophila melanogaster*), mice (*Mus musculus*), nematodes (*C. elegans*), lizards (*Podacris*), rabbits and human skin.
- Health risk assessment of the various EMF frequencies (ELF and RF) following accurate field measurements in houses and schools.

The ongoing research of our Electromagnetic Biology Research Group is focused on the effects of various kinds and sources of electromagnetic radiation (mobile phones, blue tooth, wireless DECT, baby monitor, microwave oven, wi-fi, magnetic field, e.t.c.) on the reproduction and oogenesis of the fruit fly *Drosophila melanogaster*. Our recent activities are also focused on the irradiation of the model Rodent *Mus musculus* mouse in order to reveal defects on memory, behaviour, brain proteome, reproduction, apoptosis and other lesions induced by non ionizing radiation. Our recent work involves multidisciplinary approaches engaging the most sophisticated techniques, such as the Morris water Maze behavioural task, object recognition task, proteomics analysis, transcriptomics, ROS assay, immunohistochemistry, confocal laser microscopy and electron microscopy.

Special attention has been given throughout our research protocols to the biological effects of mobile phone radiation (for the first time worldwide using real communication conditions) on model cell systems including oogenesis in Diptera, behaviour and reproduction in rodents. The results have shown a decrease in the reproductive capacity of *Drosophila* and deficits in osteogenesis of newborn mice, as well as memory impairment and brain protein/gene expression changes following mobile phone and wireless DECT radiation and have been published .

Current research is focused on the changes of cellular and molecular parameters caused by EMFs on insects of the genus *Drosophila* and on mice *Mus musculus* under a variety of exposure conditions. For this purpose a large number of commercially available EMF – producing devices are being used for the experiments.

Our recent results have been published in peer review journals (see publication list below or in [Google Scholar](#))

The approaches used include:

Behavioural – memory tasks in mice, Immunohistochemistry – histology
Proteomics, Microarrays, Lipidomics, Fluorometry, Oxidative stress analysis,
Confocal microscopy, Electron microscopy, Western blotting

Another issue that concerns us is the electromagnetic radiation emitted by cell phone base stations (masts). For this purpose we are performing measurements inside houses and schools in order to inform the citizens about any excessive radiation levels even if those are within the Greek "safety levels". We strongly believe that a further reduction (below the 30% of the current Greek law) should be decided by the government and on that direction we present interviews in the media (TV and Radio) and well documented advice whenever needed.

AUTHORSHIP

MONOGRAPHS

I) ACADEMIC HANDBOOKS

- 1) **Radiobiology, Radiation and Life**, Επτάλοφος, Αθήνα, 1987
- 2) **Cell Biology**, Εκδόσεις Λίτσα, Αθήνα, Α έκδοση, 1982, Β' έκδοση 1986, Γ' έκδοση 1992, Δ' έκδοση 2004 (συγγραφείς: **Μαργαρίτης Λ.Χ., Γαλανόπουλος Β., Κεραμάρης Κ., Μαρίνος Ε., Παπασιδέρη Ι., Τρουγκάκος Ι.Π., Στραβοπόδης Δ.** σελίδες 996),

II) RESEARCH CHAPTERS IN BOOKS

- 3) **Margaritis LH (1985)**. Structure and Function of the Insect Egg-shell In, *Comprehensive Insect Physiology, Biochemistry and Pharmacology*. Edited by G.A. Kerkut and L.I. Gilbert, Volume 1, chapter 6, pages 153-230. Pergamon Press.
- 4) **Margaritis LH and Mazzini M (1998)**. The structure of the egg, In: Harrison FW and Locke M (Eds.), *Microscopic Anatomy of Invertebrates*, Wiley-Liss, New York.
- 5) **Trougakos IP and Margaritis LH (2008)**. Novel Morphological and Physiological Aspects of Insect Eggs, In, [Chemoecology of Insect Eggs and Egg Deposition](#), Chapter 1.(?) Monika Hilker , Torsten Meiners Editors, John Wiley On line library.
- 6) **Panagopoulos DJ and Margaritis LH (2008)**. Mobile telephony radiation effects on living organisms. In, *Mobile telephones*, chapter 3. Harper AC and Buress RV. Nova Publishers. ([pdf file](#))
- 7) **Fragopoulou AF and Margaritis LH (2010)**. Is cognitive function affected by mobile phone radiation? In, "Non Thermal Effects and Mechanisms of interaction between electromagnetic fields and living matter", *European Journal of Oncology-Library* vol.5, pp 261-273, L. Giuliani and M. Soffritti (eds). ([pdf file](#))
- 8) **Fragopoulou AF and Margaritis LH. (2012)**. *BioInitiative Report* Review article in **Section 5. 2007-2012 Supplement: EMF Transcriptomics and Proteomics Research**. BioInitiative Working Group, Cindy Sage and David O. Carpenter, Editors. BioInitiative Report: A Rationale for Biologically-based Public Exposure Standards for Electromagnetic Radiation at www.bioinitiative.org, December 31, 2012

GRANTED PATENTS

Greek patent on the protection case from mobile phone radiation
Nr. Gr 20070100259/1005919 (**2005**, extension **2007**)

PUBLICATIONS

1972 - 1980

1. Observations from studies on the cornea by the electron microscope.
Koliopoulos J.X., Margaritis L.H., Baltazis S. and Velissaropoulos P.
Bulletin Hel Ophth Soc 40:61-69, 1972
2. Μελέτη προγραμματισμένης γονιδιακής έκφρασης κατά την Κυτταρική Διαφοροποίηση. Η ωογένεση στο Δίπτερο *Drosophila melanogaster*.
Διδακτορική Διατριβή. Φυσικομαθηματική Σχολή, Πανεπιστημίου Αθηνών, 1974
3. Alterations of the fine structure of the cornea in a case of acute ceratoconnus.
Koliopoulos J.X., Margaritis L.H., Droutsas D. and Velissaropoulos P.
Iatriki 28:113-120, 1975
4. Studies on resolution and rotary shadowing for freeze-etching.
Margaritis L.H. and Branton D.
J Cell Biol 67:259a, 1975
5. Biochemical and structural analysis in intramembrane particles using recombination experiments and rotary shadow freeze-etch microscopy.
Margaritis L.H., Yu J. and Branton D.
J Cell Biol 67:259a, 1975
6. Quantitative and comparative ultrastructure of the vertebrate cornea I. Urobele Amphibia.
Margaritis L.H., Politof Th.K. and Koliopoulos J.X.
Tissue Cell 8:591-602, 1976
7. Quantitative changes and ultrastructural alteration of the cornea in response to ultraviolet light. I. Effects on rabbits.
Margaritis L.H., Politof Th.K. and Koliopoulos J.X.
Min Medica Greca 3:295-305, 1975
8. Quantitative changes and ultrastructural alterations of the cornea in response to ultraviolet light. II. Effects on Amphibia.
Margaritis L.H., Politof Th.K. and Koliopoulos J.X.
issue Cell 8:603-614, 1976
9. Three dimensional structure of the endochorion in wild type *Drosophila melanogaster*.
Margaritis L.H., Petri W.H. and Kafatos F.C.
J Exp Zool 178:403-408, 1976
10. Rotary replication for freeze-etching.
Margaritis L.H., Elgsaeter A. and Branton D.
Cell Biol 72:47-56, 1977
11. Comparative investigation of the changes of the cornea following exposure to the ultraviolet radiation.
Koliopoulos J.X. and Margaritis L.H.
Bulletin Hel Ophth Soc 45:39-53, 1977
12. Structural and image analysis of a crystalline layer from dipteran egg-shell.
Margaritis L.H., Petri W.H. and Wyman A.R.
Cell Biol Int Rep 3:61-66, 1979
13. Response of the cornea to far ultraviolet light: An ultrastructural study.
Koliopoulos J.X. and Margaritis L.H.
Ann Ophthalmol 11:765-769, 1979
14. Morphological characterization of the proteins of the erythrocyte membrane by combining freeze-fracturing and recombination.
Margaritis L.H. and Papisideri I.

Min Medica Greca 7:47-56,1979

15. Alterations of the red cell membrane glycoproteins in patients with diabetic retinopathy. **Papasideri I., Margaritis L.H. and Koliopoulos J.X.** Min Medica Greca 7:315-317, 1979
16. In vitro development of the *Drosophila* chorion in a chemically defined organ culture medium. **Petri W.H., Mindrinou M.N., Lombard M.F. and Margaritis L.H.** Roux's Arch Dev Biol 186:351-362, 1979
17. The eggshell of *Drosophila melanogaster*. I. Fine structure of the layers and regions of the wild type eggshell. **Margaritis L.H., Kafatos F.C. and Petri W.H.** J Cell Sci 43:1-35, 1980
18. Crosslinking of the *Drosophila* chorion involves a peroxidase. **Mindrinou M.N., Petri W.H., Margaritis L.H., Galanopoulos V.G.** Roux's Arch Dev Biol 189:187-196, 1980

1981 - 1990

19. Η χοριογένεση στη *Drosophila melanogaster*: Ένα πρότυπο. σύστημα για τη μελέτη της κυτταρικής διαφοροποίησης. **Διατριβή επί Υψηγεία.** Τμήμα Βιολογίας, Πανεπιστημίου αθηνών, Αθήνα 1982
20. Crystalline layer in *Drosophila melanogaster* egg-shell: Arrangement of components as revealed by negative staining and reconstruction. **Hamodrakas S.J., Margaritis L.H. and Nixon P.E.** nt J Biol Macromol 4:25-31, 1982
21. Wax layer and innermost chorionic layer in *Drosophila melanogaster* eggs; Their relationship with the waterproofing properties of the laid eggs. **Papassideri I.S., Margaritis L.H. and Gulik-Krzywicki T.** Biol Cell 45:146, 1982
22. Isolation and characterization of sex-linked female-sterile mutants in *Drosophila melanogaster* with special attention to eggshell mutants. **Komitopoulou K., Gans M., Margaritis L.H., Kafatos F.C. and Masson M.** Genetics 105:897-920, 1983
23. The eggshell of Hawaiian *Drosophila*; Structural and biochemical studies in *D. grimshawii* and comparison to *D. melanogaster*. **Margaritis L.H., Dellas T., Kalantzi M., and Kambusellis M.K.** Roux's Arch Dev Biol 192:303-316, 1983
24. Microtubules during formation of the micropylar canal in *Drosophila melanogaster*. **Margaritis L.H.** Cell Biol Int Rep 8:317-321, 1984
25. Three-dimensional reconstruction of innermost chorion layer from *Drosophilla melanogaster*. **Margaritis L.H., Hamodrakas S.J., Arad T. and Leonard K.R.** Biol Cell 52:279-284, 1984
26. Polymerisation of oriental monomers VIII. Polymerisation of Allyl and diallyl vesicle forming quaternary ammonium salts. **Babilis D., Dais P., Margaritis L.H. and Paleos C.M.** J Pol Sci 23:1089-1098, 1985
27. Isolation and characterisation of nuclear particles containing rapidly labelled hnRNA and snRNA in combination with a distinct set of polypeptides of MW 74.000 and 72.000. **Hatzoglou M., Adamtziki E., Margaritis L.H. and Sekeris C. E** Exp Cell Res 157:227-241, 1985
28. The egg-shell of *Drosophila melanogaster*. III. Covalent cross linking of the chorion proteins involves endogenous hydrogen peroxide. **Margaritis L.H.** Tissue and Cell 17(4), 553-559 (1985)
29. Comparative study of the egg-shell in the fruit-files *Dacus oleae* and *Ceratitiss capitata* (Diptera: Tripetidae). **Margaritis L.H.** Can. J. Zool. 63, 2194-2206 (1985)
30. Ultrastructural analysis of chorion formation in the silk moth *Bombyx mori*. **Papanikolaou A.M., Margaritis L.H. and Hamodrakas S.J.** Can. J. Zool. 64, 1158-1173 (1986)
31. Thermotropic-like character and vesicular aggregation of N,N' Dididecyl

- succinamic and Maleamic acids. **Paleos C.M., Margomenou-Leonidopoulou G., Margaritis L.H. and Terzis A.** Mol. Cryst. Liq. Cryst. 129, 127-135 (1985)
32. Phylogenetic relationships within the montium species subgroup of the genus *Drosophila* (Sophophora) based on electrophoretic data of the major chorion proteins. **Kalantzi-Makri M.C., Margaritis L.H. and Sourdis J.** Annals. Soc. Ent. Fr (N.S.) 21(4), 357-366 (1985)
33. The corneal epithelium basement membrane complexes after alkali burn: An ultrastructural study. **Gartaganis S.P., Margaritis L.H. and Koliopoulos J.X.** Ann. Ophthalmol. 19, 263-268 (1987)
34. The eggshell of *Drosophila melanogaster*. V. Structure and morphogenesis of the micropylar apparatus. **Zarani F., and Margaritis L.H.** Can. J. Zool., 64, 2509-2519 (1986)
35. The eggshell of *Drosophila melanogaster*. II. New staging characteristics and fine structural analysis of choriogenesis. **Margaritis L.H.** Can. J. Zool., 64, 2152-2175 (1986)
36. Fine structure of the silkmoth *Antheraea polyphemus* chorion as revealed by X-ray diffraction and freeze-fracturing. **Hamodrakas S.J., Margaritis L.H., Papisideri I., Fowler A.** Int. J. Biol. Macromol. 8, 237-242 (1986)
37. Specific secretion of wax by the follicular cells of *Drosophila melanogaster*. **Papisideri I. and Margaritis L.H.** Cell Biol. Int. Rep. 10, 963-968 (1986)
38. Biochemical and structural studies of sex-linked chorion mutants. **Komitopoulou K., Margaritis L.H. and Kafatos F.C.** Devel. Genetics 9, 37-48 (1988)

1991 - 2000

39. A structural protein that plays an enzymatic role in the eggshell of *Drosophila melanogaster*. **Keramaris K.E., Stravopodis D. and Margaritis L.H.** Cell Biol. Int. Rep. 15, 151-159 (1991)
40. Choriogenesis in the Medfly *Ceratitis capitata* (Wiedermann) (Diptera : Tephritidae). **Mouzaki D. and Margaritis L.H.** Int. J. Insect Morphol. Embryol. 20, 51-68 (1991)
41. The eggshell of *D. melanogaster*. VI. Structural analysis of the wax layer in laid eggs. **Papisideri I.S., Margaritis L.H. and Gulik-Krzywicki, T.** Tissue and Cell, 23(4), 567-575 (1991)
42. Fine structure and morphogenesis of the micropylar apparatus in the Medfly *Ceratitis capitata* (Wiedermann) (Diptera: Tephritidae). **Zarani, F. and Margaritis L.H.** Int. J. Insect Morphol. Embryol. 20, 127-139 (1991)
43. Three-dimensional reconstruction of innermost chorion layer from *D. grimshawii* and *D. melanogaster* egg-shell mutant fs 384. **Margaritis L.H., Hamodrakas S.J., Papisideri I., Arad I. and Leonard K.** Int. J. Biol. Macromol., 13, 247 (1991)
44. Structure and morphogenesis of the Eggshell and Micropylar apparatus in the Olive fly, *Dacus oleae*. (Diptera: Tephritidae). **Mouzaki D., Zarani F. and Margaritis L.H.** J. Morphol., 209, 39-52 (1991)
45. Ultrastructural features and formation of the micropylar apparatus in the cherry fly *Rhagoletis cerasi*. **Zarani F. and Margaritis L.H.** J. Morphol. 208, 205-214 (1991)
46. The Eggshell of *Drosophila melanogaster*. VII. Formation of the micropylar canal and the role of the paracrystalline structure. **Zarani F. and Margaritis L.H.** Roux's Archives Dev. Biol., 200, 95-103 (1991)
47. The eggshell of the cherry fly *Rhagoletis cerasi*. **Mouzaki D. and Margaritis L.H.** Tissue and Cell 23(5), 745-754 (1991)
48. Immunolocalization of a peroxidase in the eggshell of *D. melanogaster*: Evidence for its participation in the hardening process. **Margaritis L.H., and Keramaris K.E.** Micron & Microscopica Acta, 22, 247-248, (1991)

49. Fine structure of the chorion of *Manduca sexta* and *Sesamia nonagrioides* as revealed by scanning electron microscopy and freeze-fracturing. **Orfanidou C.C., Hamodrakas S.J., Margaritis L.H., Galanopoulos V., Dedieu J.C., and Gulik-Krzywicki T.** Tissue and Cell 24:735-744, 1992
50. Tissue localisation of ¹²⁵I Triiodothyronine in the periorbital area of mice: a microautoradiographic study. **Sawas-Dimopoulou C., Papanastasiou E., Angelis A., Toubanakis N., and Margaritis L.H.** Nucl. Med. Biol. 19:627-637, 1992
51. Corneal endothelial damage after Nd:YAG laser anterior capsulotomy. An experimental study on rabbits. **Vaikoussis E., Bisogiannis Z. and Margaritis L.H.** Doc. Ophthalm. 83:279-286, 1993
52. Formation and characterisation of simple and mixed vesicles based on monomeric and oligomeric phosphate bipolar amphiphiles. **Kokkinia A., Keramaris K.E., Margaritis L.H., Malliaris A. and Paleos C.M.** J. Polym. Sci. (In Press, 1994)
53. The eggshell of *Drosophila melanogaster*. VIII. Morphogenesis of the wax layer during oogenesis. **Papasideri I., Margaritis L.H. and Gulik-Krzywicki T** Tissue & Cell 25:929-936, 1993
54. The eggshell of the almond wasp *Eurytoma amygdali* (Hymenoptera; Eurytomidae). I. Morphogenesis and fine structure of the eggshell layers. **Mouzaki D. and Margaritis L.H.** Tissue and Cell 25:559-568, 1994
55. The eggshell of the almond wasp *Eurytoma amygdali* (Hymenoptera; Eurytomidae). II. The micropylar appendage **Zarani F. and Margaritis L.H.** Tissue and Cell 26:569-577, 1994
56. Early detection of Amphotericin B induced nephrotoxicity by ^{99m}Tc-DTPA: a useful model. **Sawas-Dimopoulou C., Papathanasiou P. and Margaritis L.H.** Nuclear Med. Biol. 22:297-301, 1995
57. Egg-laying in *Drosophila melanogaster* (Diptera: Drosophilidae) and *Dacus (Bactrocera) oleae* (Diptera: Tephritidae) by phloroglucinol, a peroxidase inhibitor. **Keramaris K.E., Zografou E.N., Tsiropoulos G.J. and Margaritis L.H.** Bullet. Entomol. Res. 86:369-375, 1996
58. The eggshell of *Drosophila melanogaster*: IX Synthesis and morphogenesis of the innermost chorionic layer. **Papasideri I.S. and Margaritis L.H.** Tissue and Cell, 28: 401-409, 1996
59. Induction of an experimental Fanconi Syndrome in mice: Its effects on the glomerular filtration function studied by ^{99m}Tc -DTPA. **Sawas-Dimopoulou C., Sigalas I. and Margaritis L.H.** Nuclear Med. Biol. 23:807-812, 1996
60. Congenital Dyserythropoetic anemia Type I, in combination with a Thalassaemia. **M. Antonelou, I. Papassideri, F. Karababa, M. Gyparaki, A. Loutradi, and L. Margaritis** J Brit Hematology 102:300, 1998
61. The formation of the functional chorion structure of *Drosophila virilis* involves intercalation of the “middle” and “late” major chorion proteins into a scaffold formed by the “early” chorion proteins: A general model for chorion assembly in Drosophilidae. **Trougakos I. and Margaritis L.H.** Structural Biology 123:97-110, 1998
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63. Effects of gamma rays on the stability and size of DNA **Georgakilas A.G. Sakelliou L., Sideris E.g., Margaritis L.H., Sophianopoulou V.** Radiation Reserch 150: 488-491, 1998
64. Survival, fecundity and fertility of *Bactrocera oleae*, as affected by amino acid analogues. **Zografou E.N., Tsiropoulos G.J., Margaritis L.H.** Entomologia Experimentalis et Applicata 87: 125-32, 1998
65. The frequency of the allele α^{LELY} a low expression allele of the gene encoding

- erythroid spectrin α -chain in the Greek population. **Papassideri, I.S. M. H. Antonelou, F. Karababa, A. Loutradi, J. Delaunay, L.H. Margaritis** *Haematologica* 84:754-755, 1999
66. Biochemical and immunocytochemical analysis of vitellogenesis in the fruit fly and *Dacus (bactrocera) oleae* (Diptera: Tephritidae). **Trougakos IP, Lamnissou K, Margaritis LH.** *Cell Biol. Int* 23:417-429, 1999
67. Mass determination of the unit cell of the innermost chorionic layer in *Drosophiliidae* by scanning transmission electron microscopy. **Papassideri IS, Leonard KR, Mills D, Margaritis LH.** *J Struct Biol* 127:258-262, 1999
68. CD4 cytotoxic and dendritic cells in the immunopathologic lesion of Sjogren syndrome. **Xanthou G, Tapinos NI, Polihronis M, Nezis IP, Margaritis LH, Moutsopoulos HM.** *Clin Exp Immunol* 118:154-63, 1999
69. Origin of renewed spinal ganglia during tail regeneration in urodeles. **Koussoulakos S, Margaritis LH. Anton H** *Dev Neurosci* 21:134-139, 1999
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