

CURRICULUM VITAE, 2016

Issidora Papassideri, PhD

NAME: Issidora S. Papassideri

TITLE: Professor of Cell and Developmental Biology

COMMUNICATING ADDRESS: National and Kapodistrian University of Athens (NKUA), Panepistimiopolis Zografou, Athens 15784, Greece

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Present Position:

- Professor of Cell and Developmental Biology, Dept of Cell Biology & Biophysics, Faculty of Biology, NKUA
- Head of Department "Cell Biology and Biophysics", Faculty of Biology, NKUA
- Director of MSc "Didactics of Biology" course, Faculty of Biology, NKUA
- Director of MSc "Applications of Biology in Medicine" course, Faculty of Biology, NKUA
- Director of "Student Training Programme" Faculty of Biology, NKUA
- Associate Editor in BMC Cell Biology

Education - Positions – Employment

1978: Diploma in Biology, NKUA

1986: Ph.D. in Biological Sciences, NKUA

1985-1987: Research Associate in Cell Biology, Department of Cell Biology & Biophysics, Faculty of Biology, NKUA

1987-1989: Elected Lecturer in Biology, Faculty of Primary Education, NKUA

1989-1992: Elected Assistant Professor in Biology, Faculty of Primary Education, NKUA

1992-1999: Elected Lecturer in Cell Biology, Department of Cell Biology & Biophysics, Faculty of Biology, NKUA

1999-2006: Elected Assistant Professor in Cell Biology, Department of Cell Biology & Biophysics, Faculty of Biology, NKUA

2007-2014: Elected Associate Professor of Cell and Developmental Biology, Department of Cell Biology & Biophysics, Faculty of Biology, NKUA

2014-present: Elected Professor of Cell and Developmental Biology

Honors and Awards

1979-1981: Two years Fellowship from "A. Onassis Foundation"

1981: Fellowship from EMBO, Germany

1982: Fellowship from CNRS, France

1984: Fellowship from FEBS, Germany

1985: Post-doc fellowship from EMBO, Germany

1990 - Present: Reviewer of papers for international journals

1993: Post-doc fellowship from EMBO, Germany

1994: Invited speaker in 16th Congress of HSBS

1999: Invited speaker in workshop of the Hellenic Society of Hematology (Red Cells Section)

2003: Invited speaker in workshop of the Hellenic Society of Hematology (Red Cells Section)

2005: Nomination for the "Arkagathos Gouttas" award in Hematology

2005: Second best research announcement of the year, Hellenic (Greek) Society of Hematology

2005: Invited speaker in workshop of the Hellenic Society of Hematology (Red Cells Section)

2007: Award for Best research announcement in Blood Donation, Hellenic Society of Hematology

2008: Award for Best research announcement in Transfusion, Hellenic Society of Hematology

2009: Present: Associate Editor in BMC Cell Biology

2009: Best poster award, 20th National Conference in Hematology, Hellenic Society of Hematology

2010: Best poster award, 31st World Congress in Transfusion Medicine, International Society of Blood Transfusion (ISBT) and Deutsche Gesellschaft für Transfusionsmedizin und Immunhämatologie (DGTI)

2010: Invited in Round Table on Blood Transfusion-21st Congress of the Hellenic Society of Hematology

2011- Present: Editorial Board member of "World Journal of Methodology", "World Journal of Hematology", "World Journal of Experimental Medicine", "Biochemical and Pharmacological Research", "Hematology, Blood Transfusion & Disorders"

2011: "Arkagathos Gouttas" award of the year in Hematology, Hellenic Society of Hematology

2013-Present: Editorial Board member of "Biochemical and Pharmacological Research" Journal

2015: Best poster award, 26th National Conference in Hematology, Hellenic Society of Hematology

Postgraduate and Postdoctoral Research

1980: Centre de Génétique Moléculaire CNRS, Gif sur Yvette, France
1981: Laboratoire de Pathologie Cellulaire, Institute Biomedical des Cordeliers, CNRS, Faculté de Médecine, Université Pierre et Marie Curie, Paris France
1981: European Molecular Biology Laboratory, Germany
1982: Institute sur le Cancer, Group Electron Microscopie CNRS, Villejuif, France
1983: European Molecular Biology Laboratory, Germany
1984: Department of Virology, Ulm University, Ulm, Germany
1985: European Molecular Biology Laboratory, Germany
1992: Génétique Moléculaire Humaine, CNRS URA 1171, Faculté de Médecine Grange Blanche, Lyon
1992: Biomedical Structure Analysis, German Cancer Research Centre, DKFZ, Heidelberg, Germany
1994: Génétique Moléculaire Humaine, CNRS URA 1171, Institute Pasteur Lyon, France
2001: European Molecular Biology Laboratory, Germany
2001: Centre de Génétique Moléculaire CNRS, Gif sur Yvette, France

Member of:

Hellenic Society of Biological Sciences
Hellenic Biochemical and Biophysical Society
Hellenic Society of Anthropology
Hellenic Society of Entomology
Hellenic Society of Haematology
European Haematology Association
International Society of Haematology
European Club of Membrane Skeleton

Supervision of PhD, MSc and Undergraduate students:

I was the supervisor of ten (10) and co supervisor of five (5) PhD students, who had completed their PhD's and I am currently supervising two (2) students, carrying out their PhD's.
I have supervised more than 35 MSc Diploma Theses and more than 75 Undergraduate Diploma Theses, and I was also an external examiner to more than 30 PhD Theses

Teaching Activities:

Coordinator of:

-Graduate courses: (a) Cell Biology (compulsory), (b) Advanced Cell Biology (elective), (c) Developmental Biology and Histology (elective), (d) Current issues on Biology of the cell (elective for Faculties of Chemistry and Physics)
-Post-graduate course for Ph.D. students "Cell Biology and Biophysics"
-Post-graduate course for M.Sc "Applications of Biology in Medicine": (a) Cell Biology and Electron Microscopy, (b) Methodology of Biomedical Research and Data Analysis
-Post-graduate courses for M.Sc "Didactics of Biology" (a) Biology I, (b) Biology II, (c) Bioethics and Fundamental Human Rights (d) Philosophy and History of Biology.

National & International Conferences

More than 70 abstracts and talks in International Conferences and more than 160 abstracts in National Conferences.

Resent research interests

-Molecular characterization of the crystalline eggshell proteins of *Drosophila melanogaster* and other insects.
-Programmed cell death in insects: apoptosis, autophagy of epithelial and nurse cells during oogenesis
-Senescence and death signaling in mature erythrocytes
-Storage lesions in blood products used for transfusion
-Erythrocyte defects in hemolysis and hemolytic diseases
-Membrane organization and remodeling
-Ultrastructure of cells and sub-cellular particles

Research Impact Indexes

Number of citations: Total 4.800; Publication's Impact Factor: average 4.5; *h-index*: 25

Funded Research projects

Special Account for Research Grants of the National and Kapodistrian University of Athens (annually released research grants **13 projects**)

Coordinator or active participant of 17 research projects funded by National and EC sources (1996-2016)

University textbooks

1. **General and Applied Biology.** Athens University Publications, **IS Papassideri**, Athens, 1987
2. **Ecology and Environmental Education.** Athens University Publications, **IS Papassideri**, First edition, Athens 1987. Second edition, Athens 1990
3. **General Biology.** "Gregoris Publications", First edition. **IS Papassideri**, Athens 1989, Second edition, Athens 1992
4. **Didactics of Biology.** Athens University Publications, **IS Papassideri**, Athens 1990
5. **Health Education.** Athens University Publications, B Peraki, F Barona and **IS Papassideri**, Athens 1992. "Symmetria" Publications, First edition, Athens 1994; Second edition, Athens 2000
6. **Special Issues in General Biology.** Athens University Publications, **IS Papassideri**, Athens 1992
7. **Ecology and Environmental Education.** "Symmetria" Publications, **IS Papassideri**, First edition, Athens 1994; Second edition, Athens 1996; Third edition, Athens 2000
8. **Biology of the Cell.** "Litsas" Publications, Margaritis LH, Galanopoulos B, Marinos E, Keramaris K, **Papassideri IS**, Stravopodis D, Trougakos I, Athens 1994; Forth edition, Athens 2004

List of peer-reviewed publications (1979-2014)

1. **Morphological characterization of erythrocyte membrane proteins with combined recombination experiments and freeze fracturing.** *MMG*, 7(1), 45-50, 1979. Margaritis LH and **Papassideri IS**
2. **Sialoglycoproteins of erythrocyte membrane in patients with diabetic retinopathy.** *MMG*, 7(3), 315-317, 1979. **Papassideri IS**, Margaritis LH, Koliopoulos IX
3. **Specific secretion of a wax by the follicular cells of *Drosophila melanogaster*.** *Cell Biol. Int.*, 10 (12), 963-968, 1986. **Papassideri IS**, Margaritis LH
4. **Fine structure of the silkmoth *Antheraea polyphemus* chorion as revealed by x-ray diffraction and freeze-fracturing.** *Int J Biol Macromol*, 8(4), 237-242, 1986. Hamodrakas SJ, Margaritis LH, **Papassideri IS**, Fowler A
5. **The eggshell of *Drosophila melanogaster* VI. Structural analysis of the wax layer in laid eggs.** *Tissue and Cell*, 23 (4), 567-575, 1991. **Papassideri IS**, Margaritis LH, Gulik-Krzywicki [Corresponding Author]
6. **Three-dimensional reconstruction of innermost chorion layer of *Drosophila grimshawii* and *Drosophila melanogaster* eggshell mutant *fs(1)384*.** *Int J Biol Macromol*, 13, 247-253, 1991. Margaritis LH, Hamodrakas SJ, **Papassideri IS**, Arad T, Leonard KR
7. **The eggshell of *Drosophila melanogaster*. VIII. Morphogenesis of the wax layer during oogenesis.** *Tissue and Cell*, 25(6) 929-936, 1993. **Papassideri IS**, Margaritis LH, Gulik- Krzywicki [Corresponding Author]
8. **The eggshell of *Drosophila melanogaster* IX. Synthesis and morphogenesis of the innermost chorionic layer.** *Tissue and Cell*, 28(4) 401-409, 1996. **Papassideri IS**, Margaritis LH [Corresponding Author]
9. **The frequency of the allele a^{LELY} , a low expression allele of the gene encoding erythroid spectrin α -chain in the Greek population.** *Haematologica*, 84:8, 754-756, 1999. **Papassideri IS**, Antonelou MX, Karababa FJ, Loutradi-Anagnostou A, Delaunay J, Margaritis LH [Corresponding Author]
10. **Mass determination of the unit cell of innermost chorionic layer in *Drosophilidae* by Scanning Transmission Electron Microscopy.** *J Struc Biol* 127(3): 258-262, 1999. **Papassideri IS**, Leonard KR, Mills D, Margaritis LH
11. **Stage specific apoptotic patterns during *Drosophila* oogenesis.** *Eur J Cell Biol* 79, 610-620, 2000. Nezis IP, Stravopodis DJ, **Papassideri IS**, Robert-Nicoud M, Margaritis LH
12. **Actin cytoskeleton reorganization of the apoptotic nurse cells during the late developmental stages of oogenesis in *Dacus oleae*.** *Cell Motil and Cytosk* 48(3): 224-233, 2001. Nezis IP, Stravopodis DJ, **Papassideri IS**, Margaritis LH

- 13. Differential sorting of constitutively co-secreted proteins in the ovarian follicle cells of *Drosophila*.** *Eur J Cell Biol* 80: 271-284, 2001, **Cover Story**. Trougakos IP, Papassideri IS, Waring G, Margaritis LH
- 14. Dynamics of apoptosis in the ovarian follicle cells during the late stages of *Drosophila* oogenesis.** *Cell & Tissue Research*, 307:401-409, 2002. Nezis IP, Stravopodis DJ, Papassideri IS, Robert-Nicoud M, Margaritis LH [Corresponding Author]
- 15. A novel case of haemoglobin H disease associated with clinical and morphological characteristics of congenital dserythropoetic anaemia type I.** *Eur J Haematology*, 68(4), 247-252, 2002. Antonelou MH, Papassideri IS, Karababa FJ, Gyparaki M, Loutradi-Anagnostou A, Margaritis LH [Corresponding Author]
- 16. Ultrastructural characterization of the erythroid cells in a novel case of congenital anaemia.** *Blood Cells, Molecules & Diseases*, 30(1):30-42, 2003. Antonelou M.X., Papassideri I.S., Karababa F.J., Loutradi-Anagnostou A., Margaritis L.H. [Corresponding Author]
- 17. Defective organization of the erythroid cell membrane in a novel case of congenital anaemia.** *Blood Cells, Molecules & Diseases*, 30(1): 43-54, 2003. Antonelou MX, Papassideri IS, Karababa FJ, Stravopodis DJ, Loutradi-Anagnostou A, Margaritis LH [Corresponding Author]
- 18. Modes of programmed cell death during *Ceratitis capitata* oogenesis.** *Tissue & Cell*, 35(2): 113-119, 2003. Nezis IP, Modes V, Mpakou V, Stravopodis DJ, Papassideri IS, Mammali IG, Margaritis LH
- 19. Structural and biochemical analysis of the *Leptinotarsa decemlineata* (Coleoptera; Chrysomeloidea) crystalline chorionic layer.** *Journal Insect Physiology* 49(4): 377-384, 2003. Papassideri IS, Trougakos J, Leonard K, Margaritis LH [Corresponding Author]
- 20. Morphological irregularities and features of resistant to apoptosis in the dcp-1/pita double mutated egg chambers during *Drosophila* oogenesis.** *Cell Motil & Cytosk*, 60: 14-23, 2005. Nezis IP, Stravopodis DJ, Papassideri IS, Stergiopoulos K, Margaritis LH [Corresponding Author]
- 21. The enzymatic component of *Drosophila melanogaster* chorion is the Pxd peroxidase.** *Insect Bioch Mol Biol* 35:9 1043-1057, 2005. Konstanti A, Papassideri IS, Stravopodis DJ, Kenoutis C, Hassan Z, Katsorchis T, Wever R, Margaritis LH [Corresponding Author]
- 22. Molecular cloning and tissue specific transcriptional regulation of the first peroxidase family member, Udp1, in stinging nettle (*Urtica dioica*).** *Gene*, 362:57-69, 2005. Douroupi TI, Papassideri IS, Stravopodis DJ, Margaritis LH [Corresponding Author]
- 23. Follicular atresia during *Dacus oleae* oogenesis.** *Journal Insect Physiology* 52:3, 282-290, 2006. Nezis IP, Stravopodis DJ, Margaritis LH, and Papassideri IS [Corresponding Author]
- 24. Membrane protein carbonylation in non-leukodepleted CPDA-preserved red blood cells.** *Blood Cells Mol Diseases* 36:2, 279-282: 2006. Kriebardis A, Antonelou MH, Stamoulis K, Oikonomou - Petersen E, Margaritis LH, Papassideri IS [Corresponding Author]
- 25. Programmed cell death of follicular epithelium during the late developmental stages of oogenesis in the fruit flies *Bactrocera oleae* and *Ceratitis capitata* (Diptera, Tephritidae) is mediated by autophagy.** *Development, Growth & Differentiation* 48:3, 189-198: 2006. Nezis IP, Stravopodis DJ, Margaritis LH, Papassideri IS [Corresponding Author]
- 26. Chromatin condensation of ovarian nurse and follicle cells is regulated independently from DNA fragmentation during *Drosophila* late oogenesis.** *Differentiation*, 74(7): 293-304, 2006. Nezis IP, Stravopodis DJ, Margaritis LH, Papassideri IS [Corresponding Author] **[Cover Story]**
- 27. The dual role of chorion peroxidase in *Bactrocera oleae* chorion assembly.** *Inter J Devel Biol*, 50(6):543-552, 2006. Konstandi OA, Papassideri IS, Stravopodis DJ, Antonelou MX, Kenoutis CA, Stefanidou D, Margaritis LH [Corresponding Author]
- 28. Autophagy is required for the degeneration of the ovarian follicular epithelium in higher Diptera.** *Autophagy*, 2(4): 295-298, 2006. Nezis IP, Stravopodis DJ, Margaritis LH, Papassideri IS [Corresponding Author]
- 29. Programmed cell death of the ovarian nurse cells during oogenesis in the silkworm *Bombyx mori*.** *Development, Growth & Differentiation*, 48(7):419-428, 2006. Bakou VE, Nezis IP, Stravopodis DJ, Margaritis LH, Papassideri IS [Corresponding Author]

- 30. Mechanisms of programmed cell death during oogenesis in *Drosophila virilis*.** *Cell Tissue Research*, 327(2):399-414, 2007. Velentzas AD, Nezis IP, Stravopodis DJ, **Papassideri IS**, Margaritis LH [Corresponding Author]
- 31. Stage - specific regulation of programmed cell death during oogenesis in the medfly *Ceratitis capitata* (Diptera, Tephritidae).** *Int J Devel Biol*, 51(1):57-66, 2007. Velentzas AD, Nezis IP, Stravopodis DJ, **Papassideri IS**, Margaritis LH [Corresponding Author]
- 32. The clinicopathological and prognostic significance of membrane type 1 matrix metalloproteinase (MT1-MMP) and MMP-9 according to their localization in invasive breast carcinoma.** *Histopathology*, 50(3):338-47, 2007. Mylona E, Nomikos A, Magkou C, Kamberou M, Panayotides I, **Papassideri I**, **Keramopoulos A**, Nakopoulou L
- 33. Apoptosis and autophagy function cooperatively for the efficacious execution of programmed nurse cell death during *Drosophila virilis* oogenesis.** *Autophagy*, 3(2):130-132, 2007. Velentzas AD, Nezis IP, Stravopodis DJ, **Papassideri IS**, Margaritis LH [Corresponding Author]
- 34. Physiologically important secondary modifications of red cell membrane in hereditary spherocytosis-evidence for in vivo oxidation and lipid raft protein variations.** *Blood Cells Mol Diseases*, 38(3):210-220, 2007. Margetis PJ, Antonelou MH, Karababa FJ, Loutradi - Anagnostou A, Margaritis LH, **Papassideri IS** [Corresponding Author]
- 35. Crystalline yolk spheroids in *Drosophila melanogaster* oocyte: Freeze fracture and two-dimensional reconstruction analysis.** *J. Insect Physiology*; 53(4): 370-376, 2007. **Papassideri IS**, Trougakos JP, Leonard KR, Margaritis LH [Corresponding Author]
- 36. Structural alterations of the erythrocyte membrane proteins in diabetic retinopathy.** *Graefe's Archive Clinical Exper Ophtha*, 245(8): 1179-1188, 2007. Petropoulos J, Margetis PJ, Antonelou MX, Gartaganis S, Koliopoulos IX, Margaritis LH **Papassideri IS**
- 37. Progressive oxidation of cytoskeleton proteins and accumulation of denature hemoglobin in stored red cells.** *J Cell Molec Med*, 11(1):148-155, 2007. **Kriebardis A**, **Antonelou MX**, **Stamoulis K**, **Oikonomou - Petersen E**, **Margaritis LH**, **Papassideri IS** [Corresponding Author]
- 38. Storage-dependent remodeling of red blood cell membrane is associated with increased immunoglobulin G binding, lipid raft rearrangement and caspase activation.** *Transfusion*; 47(7) 1212-1220, 2007. Kriebardis A, Antonelou M, Stamoulis K, Oikonomou - Petersen E, Margaritis LH, **Papassideri IS** [Corresponding Author]
- 39. Different modes of programmed cell death during oogenesis of the silkworm *Bombyx mori*.** *Autophagy*, 4:1, 97-100, 2008. Bakou VE, Nezis IP, Stravopodis DJ, Margaritis LH, **Papassideri IS** [Corresponding Author]
- 40. A PCR-based integrated protocol for the structural analysis of the 13th exon of the human β -myosin heavy chain (MYH7): Development of a diagnostic tool for HMC disease.** *Experimental Molecular Pathology*, 84(3):245-50, 2008. Stravopodis DJ, Zaphiropoulos AZ, Voutsinas M, Margaritis LH, **Papassideri IS** [Corresponding Author]
- 41. RBC-derived vesicles during storage. Ultrastructure, protein composition, oxidation, and signalling components.** *Transfusion*, 48: 1943-1953, 2008. Kriebardis A, Antonelou M, Stamoulis K, Oikonomou - Petersen E, Margaritis LH, **Papassideri IS** [Corresponding Author]
- 42. Monitoring autophagy in insect eggs.** *Methods in Enzymology*, 451: 669-683, 2008. Nezis IP, **Papassideri IS** [Corresponding Author] [Invited paper]
- 43. Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes.** *Autophagy*, 4:2, 151-75, 2008. Klionsky DJ, Abeliovich H, Agostinis P, Agrawal D, Aliev G, **Papassideri IS**, et al.... [Invited Review]
- 44. Intracellular Clusterin inhibits mitochondrial apoptosis by suppressing p53-activating stress signals and stabilizing the cytosolic Ku70-Bax protein complex.** *Clin Cancer Res*, 15(1):48-59, 2009. Trougakos IP, Lourda M, Antonelou MX, Kletsas D, Gorgoulis VG, **Papassideri IS**, Zou Y, Margaritis LH, Boothman DA, Gonos E
- 45. Grade-dependent effects on cell cycle progression and apoptosis in response to doxorubicin in human bladder cancer cell lines.** *Int J Oncol*, 34(1):137-60, 2009. DJ Stravopodis, PK Karkoulis, EG Konstantakou, S Melachroinou, AD Lampidonis, D Anastasiou, S Kachrilas, N Messini-Nikolaki, **IS Papassideri**, G Aravantinos, LH Margaritis, GE Voutsinas

- 46. Cell death during *Drosophila melanogaster* early oogenesis is mediated through autophagy.** *Autophagy, Autophagy*, 5(3):298-302, 2009. IP Nezis, T Lamark, AD Velentzas, TE Rusten, G Bjorkoy, T Johansen, **IS Papassideri**, DJ Stravopodis, LH Margaritis, H Stenmark, A Brech
- 47. Increased protein carbonylation of red blood cell membrane in diabetic retinopathy.** *Experimental Molecular Pathology*, 87(1):76-82, 2009, 2009. Margetis PI, Antonelou MH, Petropoulos I, Margaritis LH, **Papassideri IS** [Corresponding Author]
- 48. Red blood cell aging markers during storage in Citrate Phosphate Dextrose-Saline Adenine Glucose Manitol.** *Transfusion*, 50: 376-389, 2010. Kriebardis A, Antonelou M, Stamoulis K, Oikonomou - Petersen E, Margaritis LH, **Papassideri IS** [Corresponding Author]
- 49. Isomorph Expression of BAG-1 Gene and ER, PR in Endometrial Cancer.** *Anticancer Research*, 30(10) 4103-8, 2010. Porichi O, Nikolaidou ME, Apostolaki AI, Arnogianaki N, **Papassideri I**, Chatonidis I, Panotopoulou E
- 50. Anti-ageing and rejuvenating effects of quercetin.** *Experimental Gerontology*, 45(10):763-71, 2010. Chondrogianni N, Kapeta S, Chinou I, Vassilatou K, **Papassideri IS**, Gonos ES
- 51. Autophagy and its physiological relevance in arthropods: current knowledge and perspectives.** *Autophagy* 6:5, 1-14, 2010. Malagoli D, Abdalla FC, Cao Y, Feng Q, Fujisaki K, Gregorc A, Matsuo T, Nezis IP, **Papassideri IS**, Sass M, da Silva-Zacarin EM, Tettamanti G, Umemiya-Shirafuji R [Invited Review]
- 52. Aging and death signaling in mature red cells: from basic science to transfusion practice.** *Blood Transfusion*, 8:39-47, 2010. Antonelou MH, Kriebardis AG, **Papassideri IS** [Corresponding Author] [Invited Review]
- 53. Proteasome inhibition induces developmentally deregulated programs of apoptotic and autophagic cell death during *Drosophila melanogaster* oogenesis.** *Cell Boil Inter*, 35(1):15-27, 2011. Velentzas PD, Velentzas AD, Bakou VE, **Papassideri IS**, Stravopodis DJ, Margaritis LH
- 54. Programmed cell death of the ovarian nurse cells during oogenesis of the ladybird beetle *Adalia bipunctata* (Coleoptera: Coccinellidae).** *Development, Growth & Differentiation*, 53(6):804-15, 2011. Mpakou VE, Veletzas AD, Velentzas PD, Margaritis LH, Stravopodis DJ, **Papassideri IS** [Corresponding Author]
- 55. Oxidative stress-associated shape transformation and membrane proteome remodeling in erythrocytes of end stage renal disease patients on hemodialysis.** *J Proteomics*, 19;74(11):2441-52, 2011. Antonelou M, Kriebardis A, Velentzas AD, Kokkalis AC, Georgakopoulou SC, **Papassideri IS** [Corresponding Author][Invited article]
- 56. Apolipoprotein J/Clusterin is a Novel Structural Component of Human Erythrocytes and a Biomarker of Cellular Stress and Senescence.** Antonelou MH, Kriebardis AG, Stamoulis KE, Trougakos IP, **Papassideri IS**. *PLoS ONE* 6, e26032, 2011 [Corresponding Author]
- 57. Apolipoprotein J/Clusterin in Human Erythrocytes is involved in the Molecular Process of Defected Material Disposal during Vesiculation.** Antonelou MH, Kriebardis AG, Stamoulis KE, Trougakos IP, **Papassideri IS**. *PLoS ONE*, e26033, 2011 [Corresponding Author]
- 58. Increased expression levels of Apolipoprotein J/Clusterin during primary osteoarthritis.** *In vivo*, 25(5):745-9, 2011. Fandridis E, Apergis G, Korres DS, Nikolopoulos K, Zoubos AB, **Papassideri IS**, Trougakos IP
- 59. Human papillomavirus genotyping and E6/E7 mRNA expression in Greek women with intraepithelial neoplasia and squamous cell carcinoma of the vagina and vulva.** *J Oncol*. 2012: 893275. Tsimplaki E, Argyri E, Michala L, Kouvousi M, Apostolaki A, Magiakos G, **Papassideri I**, Panotopoulou E
- 60. Silencing of CCDC6 affects the expression of 14-3-3σ in colorectal carcinoma cells.** *Anticancer research*, 32(3):907-13, 2012. Thanasopoulou A, Xanthopoulou AG, Anagnostopoulos AK, Konstantakou EG, Margaritis LH, **Papassideri IS**, Stravopodis DJ, Tsangaris T, Anastasiadou E
- 61. Effects of prestorage leucoreduction on stored red blood cells signaling: a time-course evaluation from shape to proteome.** *J Proteomics*, 76, Spec: 220-38, 2012. Antonelou MH, Tzounakas V, Kriebardis AG, Stamoulis KE, **Papassideri IS** [Corresponding Author][Invited article]
- 62. Guidelines for the use and interpretation of assays for monitoring autophagy.** *Autophagy* 8:4, 1-100: 2012. Klionsky DJ, Abeliovich H, Agostinis P, Agrawal D, Aliev G, **Papassideri IS**, et al.... [Invited Review]
- 63. Cell-derived microparticles in stored blood products: innocent-bystanders or effective mediators of post-transfusion reactions.** *Blood Transfusion*, 2:25-38, 2012. Antonelou MH, Stamoulis KE, Kriebardis AG, **Papassideri IS**. [Corresponding Author] [Invited Review]

- 64. Detrimental effects of proteasome inhibition activity in *Drosophila melanogaster*: implication of ER stress, autophagy and apoptosis.** *Cell Biology and Toxicology*, 29(1):13-37, 2013. Velentzas PD, Velentzas AD, Mpakou VE, Antonelou MH, Margaritis LH, **Papassideri IS**, Stravopodis DJ
- 65. Differential regulation of proteasome functionality in reproductive vs. somatic tissues of *Drosophila* during ageing or oxidative stress;** *FASEB J*, 27(6):2407-20, 2013; Tsakiri EN, Sykiotis GP, **Papassideri IS**, Gorgoulis VG, Bohmann D, Trougakos IP
- 66. A cross sectional study of HPV type prevalence according to age and cytology.** *BMC Infectious Diseases*, 13:53 2013; Argyri E, Papaspyridakos S, Tsimplaki E, Michala L, Myriokefalitaki E, **Papassideri I**, Daskalopoulou D, Tsiaoussi I, Magiakos G, Panotopoulou E.
- 67. In vivo loss-of proteasome functionality in *Drosophila melanogaster* signals to an age- and tissue-dependent feedback regulatory circuit aiming to restore proteostasis and prevent premature ageing.** *Aging Cell*, 12(5):802-13, 2013; Tsakiri EN, Sykiotis GP, **Papassideri IS**, Terpos E, Dimopoulos MA, Gorgoulis VG, Bohmann D, Trougakos IP [Cover Story]
- 68. Reactive oxygen species elevation and recovery in *Drosophila* Bodies and ovaries following short term and long term exposure to dect base EMF.** *Electromagnetic Biology and Medicine*, 19: 2013. Manta A, Stravopodis D, **Papassideri I**, Margaritis L
- 69. Diet-derived Advanced Glycation End products or Lipofuscin disrupt proteostasis and reduce lifespan in *Drosophila melanogaster*.** *Free Radical Biology & Medicine*, 65:1155-63, 2013. Tsakiri EN, Iliaki KK, Höhn A, Grimm S, **Papassideri IS**, Grune T, Trougakos I
- 70. Phenolic profiles and antioxidant and anticarcinogenic activities of Greek herbal infusions; balancing delight and chemoprevention?** *Food Chemistry* 142:233-41, 2014. Kaliora AC, Kogiannou DA, Kefalas P, **Papassideri IS**, Kalogeropoulos N.
- 71. Proteasome, but not autophagy, disruption results in severe eye and wing dysmorphia: a subunit - and regulator - dependent process in *Drosophila*.** *PLoS ONE*, 25;8(11):e80530, 2013. Velentzas PD, Velentzas AD, Pantazi AD, Bakou VE, Zervas CG, **Papassideri IS**, Stravopodis DJ
- 72. Blood modifications associated with end stage renal disease duration, progression and cardiovascular mortality: a 3-year follow-up pilot study.** *J Proteomics*, 101C: 88-101, 2014. Antonelou MH, Georgatzakou H, Tzounakas VL, Velentzas AD, Kokkalis AC, Kriebardis AG, Papassideri IS [Corresponding Author]
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