C U R R I C U L U M V I T A E

Efstathios S. Gonos

Citizenship: Greek

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EDUCATION
B.Sc. in Pharmaceutics, 1984, University of Athens, Greece
Ph.D. in Biochemistry, 1989, University of Glasgow, U.K.
Docent in Biomedicine, 2011, Orebro University, Medical School, Sweden

PROFESSIONAL EXPERIENCE
2021 - present: General Director, Hellenic Pasteur Institute, Athens, Greece
2011 - present: Docent, Orebro University, Medical School, Sweden
2002 – 2021: Director of Research, National Hellenic Research Foundation, Athens, Greece
1993 - 2002: Senior Research Scientist, N.H.R.F., Athens, Greece.
1989 - 1993: Research scientist, Ludwig Institute for Cancer Research/UCL, London, U.K.
1985 - 1989: Ph.D. student, Dept. of Biochemistry, University of Glasgow, Glasgow, U.K.

TEACHING EXPERIENCE
a) Co-supervisor for 18 Ph.D. theses, Greece & Sweden
b) Lecturer in Ph.D. and M.Sc. courses, Greece
c) Member of international Ph.D. examination Committees for:
Bonn University, Germany
Innsbruck University, Austria
Copenhagen University, Denmark
Tunku Abdul Rahman University, Malaysia
Banaras Hindu University, India
d) Co-supervisor for 2 M.Sc. theses, U.K.
e) Co-supervisor for 4 undergraduate theses, Greece
f) Laboratory tutorials for M.Sc. students, Greece
g) Laboratory tutorials for undergraduates, U.K.

PUBLICATIONS (*in peer reviewed journals*): 138

ARTICLES IN BOOKS: 14

CITATIONS: > 7,200

H-INDEX: 47

PATENTS HOLDER: 6

CONTRACTS WITH INDUSTRY *(for exploitation of research results)*: 5

RESEARCH PRODUCTS IN THE MARKET: 2

EDITORIAL BOARD MEMBERSHIP:

Editor-in-Chief:	Mechanisms of Ageing & Development (IF 5.4; 2015-present)
	IUBMB Life (IF 3.8; 2021-present)
Associate Editor:	Mechanisms of Ageing & Development (IF 5.4; 2007-2014)
	IUBMB journals Special Issues (2018-present)
Editorial board:	Biogerontology (IF 4.3; 2001-2009)
	Mechanisms of Ageing & Development (IF 5.4; 2001-2007)
	Aging Cell (IF 9.3; 2002-2007)
	Experimental Gerontology (IF 4.0; 2003-present)
	Molecular Aspects of Medicine (IF 14.2; 2009-2016)
	Free Radicals Research (IF 4.1; 2012-present)
	IUBMB Life (IF 3.8; 2013-2018)
	Redox Biology (IF 11.8; 2013-present)
	Ageing Research Reviews (IF 10.9; 2018-present)
	Gerontology (IF 3.0; 2020-present)
	Antioxidants (IF 5.9; 2020-present)
	Free Radical in Biology & Medicine (IF 7.4; 2021-present)

SELECTED DISTINCTIONS:

* "Senior expert" of European Union/FP-6 in the thematic area of "Study human development and the ageing process" (2002-2006)
* Deputy National Representative of Greece in European Union in "Genomics and Biotechnology for Health" (2004-2006)
* Executive Committee Member of the International Union of Biochemistry and Molecular Biology "IUBMB" (2009-2018)
* Member of the Federation of European Biochemical Societies "FEBS" Advanced Course Committee (2010-2013)

MEMBER OF SOCIETIES:

including:

* Committee Member of the "Society for Free Radical Research"-Europe (2004-2008)
* Member of the Board of Directors of the "Hellenic Society of Biochemistry and Molecular Biology" (2007-2009 & 2011)
* President of the "Hellenic Free Radical Society" (2008-2010)
* Meeting Officer of the "Society for Free Radical Research"-Europe (2009-2016)

REVIEWER:

* funding agencies:

  Human Frontiers Science Program, European Union, INSERM France, Medical Research Council U.K., Welcome Trust UK., Cancer Research U.K., Leukemia & Lymphoma Research U.K., Research into Ageing U.K., British Society for Research on Ageing, BBSRC U.K., Italian Association for Cancer Research, AIFA Italy, Austrian Science Fund, Dutch Research Council, Spanish Ministry of Health, FWO Belgium, Polish National Science Centre, Science Fund Serbia, Israeli Ministry of Science & Technology, King Abdullah International Medical Research Center of S. Arabia, Association for International Cancer Research, etc
* journals:

  PNAS, EMBO J, EMBO Rep, Cell Death & Differ, Cancer Res, FASEB J, Aging Cell, Aging Res Rev, Oncogene, Redox Biol, Free Radic Biol & Med, etc
* other:

  UNESCO, British Council, Prix Galien etc

INVITED LECTURES IN INTERNATIONAL CONFERENCES: 114

including:

* UNESCO Conference on "Human ageing", 1996, Paris, France
* 25th FEBS Congress, 1998, Copenhagen, Denmark
* EMBO Workshop on "Molecular & Cell. Gerontology", 1999, Serpiano, Switzerland
* 4th European Congress of Gerontology, 1999, Berlin, Germany
* 6th IUBMB Conference, 1999, Seoul, S. Korea
* 1st Euroconference on "Biological Ageing", 2000, Spa, Belgium
* 17th European Association for Cancer Research Conference, 2002, Granada, Spain
* 3rd European Congress of Biogerontology, 2002, Florence, Italy
* 10th Int. Association of Biomedical Gerontology Congress, 2003, Cambridge, U.K.
* 19th IUBMB Congress, 2003, Montreal, Canada
* 4th European Congress of Biogerontology, 2004, Newcastle, U.K.
* 30th FEBS Congress, 2005, Budapest, Hungary
* 11th Int. Association of Biomedical Gerontology Congress, 2005, Aarhus, Denmark
* 5th European Congress of Biogerontology, 2006, Istanbul, Turkey
* EMBO Workshop on "Cell Cycle Control", 2007, Spetses, Greece
* 3rd ESF Conference on "Functional genomics and disease", 2008, Innsbruck, Austria
* 6th European Congress of Biogerontology, 2008, Leiden, Netherlands
* Gordon Research Conference on "Oxidative stress and disease", 2009, Il Ciocco, Italy
* 13th Int. Association of Biomedical Gerontology Congress, 2009, Quebec, Canada
* 21st IUBMB Congress, 2009, Shanghai, China
* European Parliament Meeting on "Biogerontology", 2010, Brussels, Belgium
* 43rd IUPAC World Chemistry Congress, 2011, Puerto Rico, USA
* 13th IUBMB Conference on "Cell Signaling Networks", 2011, Merida, Mexico
* 22nd IUBMB/37th FEBS Congress, 2012, Seville, Spain
* Gordon Research Conference on Oxidative stress and disease, 2013, Le Diableret, Switzerland
* 23rd IUBMB Congress, 2015, Foz Iguacu, Brazil
* 16th IUBMB Conference, 2016, Vacouver, Canada
* 21st IAGG World Congress of Gerontology and Geriatrics, 2017, San Francisco, USA
* 24th IUBMB Congress, 2018, Seoul, Korea

INVITED LECTURES IN DOMESTIC CONFERENCES: 32

LECTURES IN VARIOUS UNIVERSITIES, RESEARCH INSTITUTES etc: 39

PUBLIC LECTURES: 56

ORGANIZATION OF CONFERENCES: 43

including:

***** Chairman of the 2nd Euroconference on "Biological Ageing" (2002)
* Chairman of the 12th "International Association of Biomedical Gerontology" Congress (2007)
* Chairman of the 59th Conference of the "Hellenic Society of Biochemistry & Molecular Biology" (2007)
* Member of the Scientific Committee of the 33rd FEBS/11th IUBMB Congress (2008)
* Chairman of FEBS/SFRR-Europe/IUBMB Advanced Lecture Course on "Protein maintenance and turnover in ageing and diseases" (2010)
* Chairman of the Society of Free Radical Research Europe (SFRR-E) Conference (2013)
* Chairman of IUBMB/IUPAB/IUPS Advanced School on "Receptors and signaling" (2016)
* Chairman of FEBS/IUBMB Advanced Lecture Course on "Molecular basis of human diseases: 50 years anniversary of Spetses summer schools" (2016)
* Chairman of IUBMB Focused Meeting on "Molecular aspects of aging and longevity" (2017)

ORGANIZATION OF ADVANCED COURSES: **14**

(Spetses island, Greece, 1999-2016 & Hermanus, S. Africa, 2012)

INTERNATIONAL FELLOWSHIPS: **3**

Glasgow University, Ludwig Institute for Cancer Research, Royal Society UK

AWARDED RESEARCH GRANTS: **39**

EU: 10 grants, Domestic: 16 grants, Industry: 7, Other: 6

Total budget: >7.000.000 EUR

INTERNATIONAL PATENTS

1. B. Jansen, M. Gleave, I.P. Trougakos, E.S. Gonos, M. Signaevsky and E. Beraldi (2003) RNAi probes targeting cancer related proteins. (03792075.8-2406-CA0301277).
2. E.S. Gonos, I. Chinou and N. Chondrogianni (2009) Anti-ageing properties of quercetin, 18α-glycyrrhetinic acid and hederagenin and their derivatives. (09006147.4-2108).
3. A. Bürkle, M. Junk, M. Berthold, M. Moreno-Villanueva, J. Bernhardt, M. Blasco, M.M. Gallardo, J.H.J. Hoeijmakers, O. Toussaint, B. Grubeck-Loebenstein, E. Mocchegianni, S. Collino, S. Moco, E.S. Gonos, E. Sikora, D. Gradinaru, M. Dollé, M. Salmon, P. Kristensen, H. Griffith, C. Libert, T. Grune, N. Breusing, A. Simm, C. Franceschi, D. Talbot, P. Caiafa, B. Friguet, P.E. Slagboom, A. Hervonen and R. Aspinall (2014) Method for the determination of biological age in human beings. (PCT/EP 2014/000761)

SELECTED PUBLICATIONS

1. E.S. Gonos and J.P. Goddard (1990) The nucleotide sequence of a human $tRNA^{Glu}$ gene. *Nucleic Acids Res.* 18, 6705.
2. E.S. Gonos and J.P. Goddard (1990) The role of the 5'-flanking sequence of a human $tRNA^{Glu}$ gene in modulation of its transcriptional activity in vitro. *Biochem. J.* 272, 797-803.
3. E.S. Gonos, J.S. Burns, G.R. Mazars, A. Kobrna, T.E.W. Riley, S.C. Barnet, G. Zafarana, R. Ludwig, Z. Ikram, AJ. Powell and P.S. Jat (1996) Rat embryo fibroblasts immortalised with SV40 large T antigen undergo senescence upon its inactivation. *Mol. Cell. Biol.* 16, 5127-5138.
4. A.J. Powell*, A.J. Darmon*, E.S. Gonos*, E.W.F. Lam, K.W.C. Peden and P.S. Jat (1999) Different functions are required for initiation and maintenance of immortalisation of rat embryo fibroblasts by SV40 large T antigen. *Oncogene* 18, 7343-7350. (*= equally contributed)
5. P. Dumont, M. Burton, Q.M. Chen , E.S. Gonos, C. Frippiat, J.B. Mazarati, F. Eliaers, J. Remacle and O. Toussaint (2000) Induction of replicative senescence biomarkers by sublethal successive oxidative stresses in normal human fibroblasts. *Free Rad. Biol. Med.* 28, 361-373.
6. N. Chondrogianni, F.L.L. Stratford, I.P. Trougakos, B. Friguet, A.J. Rivett and E.S. Gonos (2003) Central role of the proteasome in senescence and survival of human fibroblasts: induction of a senescence-like phenotype upon its inhibition and resistance to stress upon its activation. *J. Biol. Chem.* 278, 28026-28037.
7. I.P. Trougakos, A. So, B. Jansen, M.E. Gleave and E.S. Gonos (2004) Silencing expression of the Clusterin/Apolipoprotein J gene in human cancer cells using small interfering RNA induces spontaneous apoptosis, reduced growth ability and cell sensitization to genotoxic and oxidative stress. *Cancer Res.* 64, 1834-1842.
8. I.P. Trougakos, M. Lourda, G. Agiostratidou, D. Kletsas and E.S. Gonos (2005) Differential effects of clusterin/Apolipoprotein J on cellular growth and survival. *Free Rad. Biol. Med.* 38, 436-449.

9. N. Chondrogianni, C. Tzavelas, A.J. Pemberton, I.P. Nezis, A.J. Rivett and E.S. Gonos (2005) Overexpression of proteasome β5 subunit increases amount of assembled proteasome and confers ameliorated response to oxidative stress and higher survival rates. *J. Biol. Chem*. 280, 11840-11850.
10. M. Lourda, I.P. Trougakos and E.S. Gonos (2007) Development of resistance to chemotherapeutic drugs in human osteosarcoma cell lines largely depends on up-regulation of Clusterin/Apolipoprotein J. *Int. J. Cancer* 120, 611-622.
11. N. Chondrogianni, I.P. Trougakos, D. Kletsas, Q.M. Chen and E.S. Gonos (2008) Partial proteasome inhibition in human fibroblasts triggers accelerated M1 senescence or M2 crisis depending on the p53 and RB status. *Aging Cell* 7, 717-732. (cover page)
12. I.P. Trougakos, M. Lourda, M.H. Antonelou, D. Kletsas, V.G. Gorgoulis, I. Papassideri, Y. Zou, L.H. Margaritis, D.A. Boothman and E.S. Gonos (2009) Intracellular Clusterin inhibits mitochondrial apoptosis by suppressing p53-activating stress signals and stabilizing the cytosolic Ku70-Bax protein complex. *Clinical Cancer Res*. 15, 48-59. (cover page)
13. I.P. Trougakos, J.Y. Djeu, E.S. Gonos and D.A. Boothman (2009) Advances and challenges in basic and translational research on Clusterin. *Cancer Res*. 69, 403-406.
14. E. Balantinou, I.P. Trougakos, N. Chondrogianni, L.H. Margaritis and E.S. Gonos (2009) Transcriptional and post-translational regulation of clusterin by the two main cellular proteolytic pathways. *Free Rad. Biol. Med*. 46, 1267-1274.
15. B. Catalgol, I. Ziaja, N. Breusing, T. Jung, A. Höhn, B. Alpertunga, P. Schroeder, N. Chondrogianni, E.S. Gonos, I. Petropoulos, B. Friguet, L.O. Klotz, J. Krutmann and T. Grune (2009) The proteasome is an integral part of solar ultraviolet A radio-induced gene expression. *J. Biol. Chem*. 284, 30076-30086.
16. S. Kapeta, N. Chondrogianni and E.S. Gonos (2010) Nuclear erythroid factor 2 (Nrf2) mediated proteasome activation delays senescence in human fibroblasts. *J. Biol. Chem.* 285, 8171-8184.
17. C. Sisoula, V. Trachana, C. Patterson and E.S. Gonos (2011). CHIP-dependent p53 regulation occurs specifically during cellular senescence. *Free Rad. Biol. Med*. 50, 157-165.
18. K.S. Leskov, S. Araki, J.P. Lavik, J. Gomez, V. Gama, E.S. Gonos, I.P. Trougakos, S. Matsuyama and D.A. Boothman (2011) Crm1-mediated regulation of nuclear clusterin, an ionizing radiation-stimulated, bax-dependent pro-death factor. *J. Biol. Chem*. 286, 40083-40090.
19. D. Jurk, C. Wang, S. Miwa, M. Maddick, V. Korolchuk, A. Tsolou, E.S. Gonos, C. Thrasivoulou, M. Saffrey, K. Cameron and T. von Zglinicki (2012) Postmitotic neurons develop a p21-dependent senescence-like phenotype driven by a DNA damage response. *Aging Cell* 11, 996-1004.
20. M. Beekman, H. Blanché, M. Perola, A. Hervonen, V. Bezrukov, E. Sikora, F. Flachsbart, L. Christiansen, A.J. De Craen, T.B. Kirkwood, I.M. Rea, M. Poulain, J.M. Robine, S. Valensin, M.A. Stazi, G. Passarino, L. Deiana, E.S. Gonos, L. Paternoster, T.I. Sørensen, Q. Tan, Q. Helmer, E.B. Van den Akker, J. Deelen, F. Martella, H.J. Cordell, K.L. Ayers, J.W. Vaupel, O. Törnwall, T.E. Johnson, S. Schreiber, M. Lathrop, A. Skytthe, R.G. Westendorp, K. Christensen, J. Gampe, A. Nebel, J.J. Houwing-Duistermaat, E.P. Slagboom and C. Franceschi C (2013) Genome-wide linkage analysis for human longevity: Genetics of Healthy Ageing Study. *Aging Cell* 12, 184-193.
21. L. Da Silva, M. Godejohann, F.J. Martin, S. Collino, A. Bürkle, M. Moreno-Villanueva, J. Bernhardt, O. Toussaint, B. Grubeck-Loebenstein, E.S. Gonos, E. Sikora, T. Grune, N. Breusing, C. Franceschi, A. Hervonen, M. Spraul and S. Moco (2013) High-Resolution Quantitative Metabolome Analysis of Urine by Automated Flow Injection NMR. *Anal. Chem.* 85, 5801-5809.
22. N. Chondrogianni, I. Petropoulos, S. Grimm, K. Georgila, B. Catalgol, B. Friguet, T. Grune and E.S. Gonos (2014) Protein damage, repair and proteolysis. *Mol. Aspects Med.* 35, 1-71.

23. N. Raule, F. Sevini, S. Li, A. Barbieri, F. Tallaro, L. Lomartire, D. Vianello, A. Montesanto, J. Moilanen, V. Bezrukov, H. Blanche, A. Hervonen, K. Christensen, L. Deiana, E.S. Gonos, T.B.L. Kirkwood, P. Kristensen, A. Leon, P.G. Pelicci, M. Poulain, I.M. Rea, J. Remacle, J.M. Robine, S. Schreiber, E. Sikora, P.E. Slagboom, L. Spazzafumo, M.A. Stazi, O. Toussaint, J.W. Vaupel , G. Rose, K. Majamaa, M. Perola, T.E. Johnson, L. Bolund, H. Yang, G. Passarino and C. Franceschi (2014) The co-occurrence of mtDNA mutations on different oxidative phosphorylation subunits, not detected by haplogroup analysis, affects human longevity and is population specific. *Aging Cell* 13, 101-107.
24. E. Mocchegiani, L. Costarelli, R. Giacconi, M. Malavolta, A. Basso, F. Piacenza, R. Ostan, E. Cevenini, E.S. Gonos, C. Franceschi and D. Monti (2014) Vitamin E-gene interactions in ageing and inflammatory age-related diseases: implications for treatment. *Ageing Res. Rev.* 14, 81-101.
25. N. Chondrogianni, M. Sakellari, M. Lefaki, N. Papaevgeniou and E.S. Gonos (2014) Proteasome activation delays aging in vitro and in vivo. *Free Rad. Biol. Med.* 71, 303-320.
26. N. Chondrogianni, K. Georgila, N. Kourtis, N. Tavernarakis and E.S. Gonos (2015) 20S proteasome activation promotes lifespan extension and resistance to proteotoxicity in C. elegans. *FASEB J.* 29, 611-622.
27. N. Chondrogianni, K. Voutetakis, M. Kapetanou, V. Delitsikou, N. Papaevgeniou, M. Sakellari, M. Lefaki, K. Filippopoulou and E.S. Gonos (2015) Proteasome activation: an innovative promising approach for delaying aging and retarding age-related diseases. *Ageing Res. Rev.* 23, 37-55.
28. N. Papaevgeniou, M. Sakellari, S. Jha, N. Tavernarakis, C.I. Holmberg, E.S Gonos and N. Chondrogianni (2016) 18α-Glycyrrhetinic acid proteasome activator decelerates aging and Alzheimer's disease progression in C. elegans and neuronal cultures. *Antioxid. Redox Signal*. 25, 855-869.
29. E. Valentini, M. Zampieri, M. Malavolta, M.G. Bacalini, R. Calabrese, T. Guastafierro, A. Reale, C. Franceschi, A. Hervonen, B. Koller, J. Bernhardt, P.E. Slagboom, O. Toussaint, E. Sikora, E.S. Gonos, N. Breusing, T. Grune, E. Jansen, M.E. Dollé, M. Moreno-Villanueva, T. Sindlinger, A. Bürkle, F. Ciccarone and P. Caiafa (2016) Analysis of the machinery and intermediates of the 5hmC-mediated DNA demethylation pathway in aging on samples from the MARK-AGE Study. *Aging* 8, 1896-1922.
30. F. Ciccarone, M. Malavolta, R. Calabrese, T. Guastafierro, M.G. Bacalini, A. Reale, J. Bernhard, O. Toussaint, B. Grubeck-Loebenstein, E.S. Gonos, E. Sikora, C. Franceschi, P.E. Slagboom, A. Hervonen, A. Burkle, M. Zampieri and P. Caiafa (2016) Age-dependent expression of DNMT1 and DNMT3B in PBMCs from a large cohort of individuals including centenarian's offspring. *Aging Cell* 15, 755–765.
31. M. Kapetanou, N. Chondrogianni, S. Petrakis, G. Koliakos and E.S. Gonos (2017) Proteasome activation enhances stemness and lifespan of human mesenchymal stem cells. *Free Radic. Biol. Med.* 103, 226-235.
32. I. Matis, D.C. Delivoria, B. Mavroidi, N. Papaevgeniou, S. Panoutsou, S. Bellou, K.D. Papavasileiou, Z.I. Linardaki, A.V. Stavropoulou, K. Vekrellis, N. Boukos, F.N. Kolisis, E.S. Gonos, M. Margarity, M.G. Papadopoulos, S. Efthimiopoulos, M. Pelecanou, N. Chondrogianni and G. Skretas (2017) An integrated bacterial system for the discovery of chemical rescuers of disease-associated protein misfolding. *Nature Biomed. Eng.* 1, 838-852.
33. R. Giacconi, L. Costarelli, F. Piacenza, A. Basso, A. Bürkle, M. Moreno-Villanueva, T. Grune, D. Weber, W. Stuetz, E.S. Gonos, C. Schön, B. Grubeck-Loebenstein, E. Sikora, O. Toussaint, F. Debacq-Chainiaux, C. Franceschi, A. Hervonen, E. Slagboom, F. Ciccarone, M. Zampieri, P. Caiafa, E. Jansen, M.E.T. Dollé, N. Breusing, E. Mocchegiani and M. Malavolta (2018) Zinc-induced Metallothionein in centenarian offspring from a large European population: the MARK-AGE Project. *J. Gerontol*. 73, 745-753

34. E.S. Gonos, M. Kapetanou, J. Sereikaite, K. Naparło, M. Grzesik, G. Bartosz and I. Sadowska-Bartosz (2018) Origin and pathophysiology of protein carbonylation, nitration and chlorination, particularly in age-related brain diseases and brain aging. *Aging* 10, 868-901.
35. A.L. Cardoso, A. Fernandes, J.A. Aguilar-Pimentel, M.H. de Angelis, J.R. Guedes, M.A. Brito, S. Ortolano, G. Pani, S. Athanasopoulou, E.S. Gonos, M. Schosserer, J. Grillari, P. Peterson, B.G. Tuna, S. Dogan, A. Meyer, R. van Os and A.U. Trendelenburg (2018) Candidates from genes and pathways regulated in aging and age-related diseases. *Ageing Res. Rev*. 47, 214-277.
36. I. Pinchuk, D. Weber, B. Kochlik, W. Stuetz, O. Toussaint, F. Debacq-Chainiaux, M.E.T. Dollé, E.H.J.M. Jansen, E.S. Gonos, E. Sikora, N. Breusing, D. Gradinaru, T. Sindlinger, M. Moreno-Villanueva, A. Bürkle, T. Grune and D. Lichtenberg (2019). Gender- and age-dependencies of oxidative stress, as detected based on the steady state concentrations of different biomarkers in the MARK-AGE study. *Redox Biol.* 24, 101204.
37. R. Giacconi, F. Maggi, L. Macera, P.G. Spezia, M. Pistello, M. Provinciali, F. Piacenza, A. Basso, A. Bürkle, M. Moreno-Villanueva, M.E.T. Dollé, E. Jansen, T. Grune, W. Stuetz, E.S. Gonos, C. Schön, J. Bernhardt, B. Grubeck-Loebenstein, E. Sikora, M. Dudkowska, D. Janiszewska, O. Toussaint, F. Debacq-Chainiaux, C. Franceschi, M. Capri, A. Hervonen, M. Hurme, E. Slagboom, N. Breusing, E. Mocchegiani and M. Malavolta (2020) Prevalence and Loads of Torquetenovirus in the European MARK-AGE Study Population. *J. Gerontol*. 75, 1838–1845.
38. A. Mladenovic Djordjevic, N. Loncarevic-Vasiljkovic and E.S. Gonos (2021) Dietary restriction and oxidative stress: friends or enemies? *Antioxid. Redox Signal.* 34, 421-438.
39. A. Mladenovic-Djordjevic, M. Kapetanou, N. Loncarevic-Vasiljkovic, S. Todorovic, S. Athanasopoulou, M. Jovic, M. Prvulovic, E. Taoufik, R. Matsas, S. Kanazir and E.S. Gonos (2021) Pharmacological intervention in a transgenic mouse model improves Alzheimer's-associated pathological phenotype: Involvement of proteasome activation. *Free Radic. Biol. Med*. 162, 88–103.
40. M. Kapetanou, T. Nespital, L.S. Tain, A. Pahl, L. Partridge and E.S. Gonos (2021) FoxO1 is a novel regulator of 20S proteasome subunits expression and activity. *Front. Cell Dev. Biol*. 9, 625715.
41. F. Piacenza, R. Giacconi, L. Costarelli, A. Basso, A. Bürkle, M. Moreno-Villanueva, M.E.T. Dollé, E. Jansen, T. Grune, D. Weber, W. Stuetz, E.S. Gonos, C. Schön, J. Bernhardt, B. Grubeck-Loebenstein, E. Sikora, O. Toussaint, F. Debacq-Chainiaux, C. Franceschi, M. Capri, A. Hervonen, M. Hurme, E. Slagboom, N. Breusing, E. Mocchegiani and M. Malavolta (2021) Age, sex and BMI influence on copper, zinc and their major serum carrier proteins in a large European population including Nonagenarian Offspring from MARK-AGE study. *J Gerontol*. 76, 2097-2106.
42. S. Athanasopoulou, M. Kapetanou, M.G. Magouritsas, N. Mougkolia, P. Taouxidou, M. Papacharalambous, F. Sakellaridis and E.S. Gonos (2022) Antioxidant and antiaging properties of a novel synergistic nutraceutical complex: Readouts from an in cellulo study and an in vivo prospective, randomized trial. Antioxidants 11, 468.