George A. Garinis Curriculum vitae

Academic and research record

1. Personal Information

Name, Surname: George, Garinis
Present address: Institute of Molecular Biology and Biotechnology, FORTH, Vassilika Vouton
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2. Education

1996-2001: Ph.D. University of Athens, Medical School, Athens Greece.
1993-1995: M.Sc. Eőtvos Lorand University, Hungary.
1990-1993: B.Sc. Eőtvos Lorand University, Hungary.

3. Current Position(s)

2014 - Onwards: Professor (tenured position), University of Crete, Heraklion, Greece
& affiliated group leader, IMBB-FORTH, Heraklion, Crete, Greece.
2011-2014: Associate Professor (tenured position), University of Crete, Heraklion, Greece
& affiliated group leader, IMBB-FORTH, Heraklion, Crete, Greece.
2008-2011: Researcher C', IMBB-FORTH, Heraklion, Crete, Greece**.**
2002-2008: Postdoctoral fellow, Department of Genetics, Erasmus University, the Netherlands.

4. Prizes | Awards or Distinctions

2012-2015: Recipient of the EMBO Young Investigator Programme
2019-to date: EMBO member (elected)
2019: Excellence award "Fotis Kafatos"
2019: Alexander von Humboldt Research Award

5. Teaching activities

2011 - To date: Human Genetics, Department of Biology, University of Crete.
2015- To date Co-Organizer, Animal course-FELASA accredited
2009 - To date: Lecturer, Postgraduate program "Molecular Basis of Human Disease", Medical School, University, of Crete, Greece.
2008 - To date: Lecturer, Postgraduate program "Molecular Biology Biomedicine", Department of Biology, University of Crete, Greece.

8. Organization of Scientific Meetings

2020: Organizer, EMBO Workshop on "Developmental Circuits in Aging", Heraklion, May 29-31, Crete.
2017: Organizer, EMBO YIP Genome Integrity", Heraklion, May 5-7, Greece.
2016: Organizer, joint Workshop and Summer school on "Molecular Mechanisms in Development and Disease ", September 26-28, FORTH, Heraklion.
2016: Organizer, EMBO Cancer YIP Meeting, Heraklion, June 26-27, Heraklion.
2014: Co-organizer, Summer School on "Care and Use of laboratory Animals: Science, Philosophy and Society, June 4-16, University of Crete, Heraklion".
2015: Organizer, EMBO Workshop on "Developmental Circuits in Aging", Heraklion, May 25-28, Crete.
2014: Organizer, joint Workshop and Summer school on "Regulation of the (Epi)Genome during Ageing", June 8-14, FORTH, Heraklion.
2014: Co-organizer, Erasmus Summer School on "Care and Use of laboratory Animals: Science, Philosophy and Society, May 4-16, University of Crete, Heraklion".
2013: Co-organizer, 1st aDDRess/CodeAge Workshop on "DNA damage, Chromatin and Ageing", IFOM- FIRC Institute for Molecular Oncology, Nov 21-22, Milan, Italy.

9. Institutional Responsibilities

2020 – 2022: Chairman, Department of Biology, University of Crete
2013 - 2016: Scientific council member, IMBB-FORTH, Heraklion, Greece.

2011- 2017: Section head for molecular biology domain, Dept. of Biology, University of Crete, Heraklion, Greece.

10. Commissions of Trust

2020-	EMBL council member
2019-2020	Chairman of the ELIDEK revieweing board for the postdoctoral fellowships
2016-	Reviewer for the H2020-MSCA-IF Call 2016
2016-	Reviewer for the H2020 FET OPEN RIA Call 2016-1
2012 - 2014:	National representative, Reviewer and Rapporteur for the EU-COST domain - Biomedicine and Molecular Biosciences action.
2011-	Editorial board member in: Mechanisms of Ageing and Development, (Elsevier), Frontiers in Genetics, (Frontiers), Scientific Reports, (Nature Press)
2009 -	Manuscript reviewer for: eLIFE, EMBO J, EMBO Reports, Journal of Cell Science, Molecular Cell, J Clinical Investigation, PNAS *USA*, PLoS Genetics.
2008 -	Grant reviewer for: Netherlands Organization for Scientific Research (NWO), German Science Foundation (DFG), Czech Science Foundation (GACR), Agence Nationale de la Recherche (ANR), Greek Secretariat of Research (GSRT), European Union (as an external reviewer for ERC advanced scheme, COST action).

11. Funding ID

Current Funding Sources

1. PROGRAMME: **ESOF (ESPA 2014-2020)**, AGENCY: EYDE-ETAK, TITLE: Panther: "Development of novel therapeutic strategies against Parkinson's disease" (Panther), CONTRACT No: T2EΔK-00852, ROLE: Coordinator, DURATION: 2020-2022
2. PROGRAMME: **HFRI for Principal Investigators and Academic Staff**, AGENCY: Hellenic Foundation for Research and Innovation (ELIDEK), TITLE: DNA Damage and the Innate Immune Response in Health and Disease" (Inspire), CONTRACT No: HFRI_FM17_631_18718, ROLE: Principal investigator, DURATION: 2020-2022
3. PROGRAMME: **European Research Council (ERC Proof of Concept)**, AGENCY: European Commission, TITLE: An exosome-based therapeutic approach against chronic inflammation" (InflaCare), CONTRACT No: 874456, ROLE: Principal investigator, DURATION: 2020-2021
4. PROGRAMME: **H2020-MSCA-ITN-2018 HealthAge**, AGENCY: European Commission, TITLE: HealthAge: Joint Training and Research Programme on Lifespan Regulation Mechanisms in Health and Disease, CONTRACT No: 812830, ROLE: Coordinator, DURATION: 2019-2023
5. PROGRAMME: **H2020-MSCA-ITN-2018** aDDRess, AGENCY: European Commission, TITLE: aDDRess: Joint Training and Research Programme on Chromatin Dynamics & the DNA Damage Response, CONTRACT No: 812829, ROLE: Coordinator, DURATION: 2019-2023
6. PROGRAMME: **European Research Council (ERC consolidator)**, AGENCY: European Commission, TITLE: Nucleotide Excision Repair: Dissecting its function in development and disease, CONTRACT No: 646663, ROLE: Principal investigator, DURATION: 2016-2021
7. PROGRAMME: **H2020-MSCA-ITN-2014 Chromatin 3D**, AGENCY: European Commission, Marie Curie, Host-Driven Actions, TITLE: Chromatin3D: Joint training and research network on Chromatin Dynamics in Development and Disease, CONTRACT No: 316354, ROLE: Partner, DURATION: 2015-2019

Past Funding Sources

8. PROGRAMME: **Fondation Santé Research Grant in the Biomedical Sciences**, Agency: Fondation Sate, TITLE: "The impact of DNA damage on tissue-resident macrophages in mammals", CONTRACT No: N/A, ROLE: Principal Investigator, DURATION: 2018-2019.
9. PROGRAMME: **FP7-PEOPLE-2012-ITN–aDDRess,** AGENCY: European Commission, Marie Curie Host-Driven Actions, "Joint training and research network On Chromatin Dynamics and the DNA Damage Response", CONTRACT No: 316390, ROLE: Coordinator, DURATION: 2012-2016
10. PROGRAMME: **FP7-PEOPLE-2012-ITN–CodeAge**, AGENCY: European Commission, Marie Curie, Host-Driven Actions, "The role of Chronic DNA damage in Ageing and Age-related pathology", CONTRACT No: 316354, ROLE: Partner, DURATION: 2012-2016

11. PROGRAMME: **FP7-PEOPLE-2012-ITN–Marriage**, AGENCY: European Commission, Marie Curie Host-Driven Actions, "MARie CuRIe AGEing Network", CONTRACT No: 316964, , ROLE: Partner, DURATION: 2012-2016
12. PROGRAMME: **ARISTEIA I Excellence Award,** AGENCY: Ministry of Education, Greece, "TagNER: Tagging NER in development and disease", CONTRACT No: 45, ROLE: Principal investigator, DURATION: 2012-2015
13. PROGRAMME: **ARISTEIA II Excellence Award,** AGENCY: Ministry of Education, Greece, "Epilogeas: Causal-Based Variable Selection for Omics Data", CONTRACT No: N/A, ROLE: Partner, DURATION: 2014-2015
14. PROGRAMME: **The EMBO Young Investigator Program,** AGENCY: European Molecular Biology organization, "The DNA Damage Response in Development and Disease", CONTRACT No: N/A, ROLE: Principal investigator, DURATION: 2013-2015
15. PROGRAMME: **THALIS-miREG**, AGENCY: Ministry of Education, Greece, "MicroRNAs and Transcription Factor Networks in the regulation of cell differentiation, aging and tumorigenesis", CONTRACT No: N/A, ROLE: Partner, DURATION: 2012-2015
16. PROGRAMME: **THALIS-GenAge**, AGENCY: Ministry of Education, Greece, "The role of Genetic and Environmental Factors in Aging and Longevity", CONTRACT No: N/A, ROLE: Coordinator, DURATION: 2012-2015
17. PROGRAMME: **HERAKLITOS II**, AGENCY: Ministry of Education, Greece, "The role of genome instability in natural and accelerated aging", CONTRACT No: N/A, ROLE: Principal investigator, DURATION: 2010-2013
18. PROGRAMME: **NATIONAL ACTION: COOPERATION**, AGENCY: General Secretariat of Research and Technology, Greece, "Development of a National Network for Genomic Research: Methodological approaches for Systems Biology", CONTRACT No: EDGE 901-13/11/2009, ROLE: Partner, DURATION: 2010-2013.
19. PROGRAMME: **Capacities-FP7-REGPOT-2008-1,** AGENCY: European Union, "ProFI-Proteomics Facility@IMBB", CONTRACT No: N/A, ROLE: Partner, DURATION: 2009-2012

12. Granted patents

1. **European Office Patent Number PCT/NL2005/000532.** Non-human animal model for cardiovascular disease.
2. **European Office Patent Number PCT/04078128.8.** Premature aging mouse models for the role of DNA damage in aging and intervention in aging-related pathology.

13. Selected Invited talks (last 5 years)

1. "DNA damage and chronic inflammation in mammals". September 29-30, 2019, EMBO YIP, Zurich, **Switzerland**.
2. "DNA damage and innate immune signaling in development and disease. September 9-12, ICSA Athens 2019. BBRA, **Greece**
3. "DNA damage and chronic inflammation in mammals". March 21-22, 2019, Duke-NUS University, Singapore, **Singapore**.
4. "DNA damage and chronic inflammation during mammalian development", EMBO workshop on "Genome Dynamics in Neuroscience and Aging", April 7-11, 2019, Herzliya, **Israel**
5. "DNA damage and innate immune responses in development and disease". CIG Symposium on Aging and Anti-Aging, June 21-22, 2018 Lausanne, **Switzerland**.
6. "Circulating Macrophages Mediate Exosome-based Metabolic Reprogramming upon DNA damage" 2nd course on Genome Instability and Human Disease - May 28-June 1st, 2018. Institute Curie, Paris, **France**
7. "Nucleotide Excision Repair: in Development and Disease", February 22, 2018 "Mini-symposium on Developmental Programming and Reprogramming", Faculty of Medicine, LMU, Munich, **Germany**
8. "DNA damage and the innate immune signaling in mammals", Symposium on "Genome Instability, Genetic Mobility" IGH Montpellier, November 9, 2018, Montpelier, **France**
9. Nucleotide Excision repair and innate immune responses, the 43rd European Radiation Research Society, September 17-21, 2017, Essen, **Germany**
10. The ERCC1-XPF complex during mammalian development, September 21-23, 2017 The 4th German-French DNA Repair Meeting Cologne, **Germany.**
11. Nucleotide Excision Repair: in Development and Disease", June 28, 2017 Institut für Zellbiologie, Medizinische Fakultät, Universität Duisburg-Essen, **Germany**

12. ERCC1-XPF cooperates with CTCF and cohesin to facilitate the developmental silencing of imprinted genes", June 5-7, 2017, EMBO YIP On Genome Integrity, FORTH, Heraklion, Crete, **Greece**
13. Dissecting the functional role of Genome Maintenance in DNA damage-driven Inflammation", REIS 2017, March 6-9, 2017, Budapest, **Hungary**
14. Nucleotide Excision Repair: in Development and Disease", February 2, 2017, Department of Molecular Biology, University of Geneva, Geneva, **Switzerland**
15. Nucleotide Excision repair in Aging and Cancer", The EMBO Cancer YIP meting June 26-27th, 2016, FORTH, Heraklion, **Greece**
16. "DNA damage and Aberrant Developmental Silencing of Imprinted Genes". The 10th Quinquennial Conference on Responses to DNA damage: from molecule to disease, April 17-22th, 2016, Egmond aan Zee, the **Netherlands**
17. "DNA damage Triggers Aberrant Developmental Silencing of Imprinted Genes". The EMBO DNA damage YIP meeting, April 3-5th, 2016, Seville, **Spain**
18. "Nucleotide Excision Repair: in development and disease', The ITN Chromatin 3D 1st Annual meeting, February 3-51th, 2016, Milano, **Italy**
19. Invited seminar: "DNA damage and chronic inflammation in NER Progeria". January 20, 2016, the University of Bath, Bath, **United Kingdom.**
20. "Nucleotide Excision Repair: in development and disease', The EMBO Young Investigator's meeting, April 20-21th, 2015, Strasbourg, **France**
21. Invited Seminar. Lecture title: "DNA repair, DNA damage and metabolic defects in mammals", October 21-22th, 2015, The University of Bath, Bath, **United Kingdom**
22. Invited Seminar. Lecture title: "DNA repair, DNA damage and Chromatin architecture", November 17-18th, 2015 The University of Newcastle, Newcastle, **United Kingdom**
23. "Nucleotide Excision Repair: new tricks with old bricks', The 10th "Plasticity and Instability of Genomes" meeting (PIG), CEA, November 13-14, 2014, Grenoble, **France**
24. "Nucleotide Excision Repair: Lessons from the mouse". The DNA Replication as a Source of DNA Damage Conference, September 30-October 3 2014, the Mazagan Beach Resort, Casablanca, **Morocco**.
25. "Genome Instability and Aging". Euro Science Open Forum (ESPF), June 21-26, 2014, Copenhagen, **Sweden**
26. "Dissecting the functional relevance of NER in development and disease. EMBO YIP Meeting, May 14-15th, 2014, Heidelberg, **Germany**
27. "NER: In Development & Disease". Max Planck Institute, March 10th, 2014, Munich, **Germany**
28. "DNA repair, genome instability and metabolic defects in mammals", 1st aDDRess Annual Meeting & 1st Training Workshop, November 21-22th, 2014, Milano, **Italy**

15. Selected Publications

Full list of publications appearing in PubMed (n=51)
H-Index: 29, Citations: 3968

1. ERCC1-XPF Interacts with Topoisomerase IIβ to Facilitate the Repair of Activity-induced DNA Breaks. Georgia Chatzinikolaou, Kalliopi Stratigi, Kyriacos Agathangelou, Maria Tsekrekou, Evi Goulielmaki, Ourania Chatzidoukaki, Katerina Gkirtzimanaki, Tamara Aid-Pavlidis, Michalis Aivaliotis, Pavlos Pavlidis, Ioannis Tsamardinos, Pantelis Topalis, Britta A. M. Bouwman, Nicola Crosetto, Janine Altmüller, George A. Garinis. **Nature Commun. (NCOMMS-20-03065-T. *in revision*).**
2. XAB2 links pre-mRNA splicing with the DNA damage response during mammalian development (2019). Maria Tsekrekou, Nikos Batsiotos, Mariana Ascensão-Ferreira, Eleftheria Ledaki, Kalliopi Stratigi, Evi Goulielmaki, Georgia Chatzinikolaou1, Pantelis Topalis, Theodore Kosteas, Janine Altmüller, Jeroen A. Demmers, Nuno L. Barbosa-Morais, George A. Garinis. **Nature Commun. (NCOMMS-20-29014. *in revision*).**
3. Mitochondrial oxidative damage dictates regulatory T cell defects in autoimmunity. Alissafi T., Kalafati L, Lazari M., Kouklina I., Manifava M., Lim J.-H., Alexaki I., Filia A., Ktistakis N.T., Doskas T., Garinis G.A., Chavakis T., Boumpas D., Verginis P (**2020**). **Cell Metabolism 22:S1550-4131(20)30359-4**.
4. The DNA Damage Response and Metabolic Reprogramming in Health and Disease (**2020**). Ourania Chatzidoukaki, Evi Goulielmaki, Björn Schumacher and George A. Garinis. **Trends Genet. 16:S0168-9525(20)30166-9.**

5. Goulielmaki E, Ioannidou A, Tsekrekou M, Stratigi K, Poutakidou I, Evangelou K, Topalis P, Altmüller J, Gorgoulis VG, Chatzinikolaou G and Garinis GA (**2020**). Tissue-infiltrating macrophages mediate an exosome-based metabolic reprogramming upon DNA damage. **Nature Commun. Jan 2;11(1):42.**
6. Chatzinikolaou G, Apostolou Z, Aid-Pavlidis T, Ioannidou A, Karakasilioti I, Papadopoulos GL, Aivaliotis M, Tsekrekou M, Strouboulis J, Kosteas T, Garinis GA (**2017**). DNA damage Triggers Aberrant Developmental Silencing of Imprinted Genes. **Nature Cell Biology**;19(5):421-432.
7. Oliverio M, Schmidt E, Mauer J, Baitzel C, Hansmeier N, Khani S, Konieczka S, Pradas-Juni M, Brodesser S, Van TM, Bartsch D, Brönneke HS, Heine M, Hilpert H, Tarcitano E, Garinis GA, Frommolt P, Heeren J, Mori MA, Brüning JC, Kornfeld JW (**2016**). Dicer1-miR-328-Bace1 signalling controls brown adipose tissue differentiation and function. **Nature Cell Biology**;18(3):328-36.
8. Chatzinikolaou G, Karakasilioti I, Garinis GA **(2014)**. DNA Damage and Innate Immunity: Mechanisms and Trade-offs. **Trends Immunol.** 2014 Sep;35(9):429-35.
9. Karakasilioti I, Kamileri I, Chatzinikolaou G, Kosteas T, Vergadi E, Robinson A, Tsamardinos I, Rozgaja TA, Siakouli S, Tsatsanis C, Niedernhofer LJ, Garinis GA. **(2013)**. DNA damage triggers a chronic auto-inflammatory response, leading to fat depletion in NER progeria. **Cell Metabolism**;18(3):403-15.
10. Kamileri I, Karakasilioti I, Garinis G **(2012)**. Nucleotide Excision Repair: New Tricks with Old Bricks. **Trends in Genetics. Nov;28(11):566-73.**
11. Kamileri I, Karakasilioti I, Sideri A, Kosteas T, Tatarakis A, Talianidis I and Garinis GA **(2012)**. Defective transcription initiation causes postnatal growth failure in a mouse model of NER progeria. **Proceedings of the National Academy of Sciences** 109, 2995;109(8):2995-3000.
12. Tilstra J, Robinson A, Wang J, Gregg S, Clauson C, Reay D, Nasto L, Croix C, Usas A, Vo N, Huard J, Clemens P, Stolz D, Guttridge D, Watkins SC, Garinis GA, Wang Y, Niedernhofer L, Robbins P. **(2012)**. IKK/NF-κB inhibition delays DNA damage-induced senescence and aging-related degenerative diseases. **Journal of Clinical Investigation 122(7):2601-12.**
13. Garinis GA, Uittenboogaard LM, van IJcken W, Breit TM, van Steeg H, Mullenders LHF, van der Horst G, Hoeijmakers JH, Schumacher B (**2009**). Persistent transcription-blocking DNA lesions trigger somatic growth attenuation associated with longevity. **Nature Cell Biology** May;11(5):604-15.
14. Garinis GA, Gijsbertus van der Horst, Hoeijmakers JH (**2008**). DNA damage and aging: new-age ideas for an age-old problem. **Nature Cell Biology** 10(11):1241-7).
15. Schumacher B, van der Pluijm I, Moorhouse MJ, Rasile Robinson A, Suh Y, Breit TM, van Steeg H, Niedernhofer LJ, van Ijcken W, Bartke A, Spindler SR, Hoeijmakers JHJ, van der Horst GTJ and Garinis GA (**2008**). Delayed and accelerated aging share common longevity assurance mechanisms. **PLoS Genetics** 15;4(8):e1000161.
16. Schumacher B, Garinis GA and Hoeijmakers JA (**2008**). Age to Survive: DNA damage and aging. **Trends in Genetics** 24(2):77-85.
17. van der Pluijm I*, Garinis GA*, Brandt RMC, Gorgels TGMF, Wijnhoven SW, Diderich KEM, Mitchell JR, van Oostrom C, Beems R, Niedernhofer LJ, Velasco S, Friedberg EC, Tanaka K, van Steeg H, Hoeijmakers JHJ and van der Horst GTJ (**2007**). Impaired Genome Maintenance Suppresses the GH/IGF1 Axis in Cockayne Syndrome Mice. **PLoS Biology** 12;5(1):e2. *Equal contribution.
18. Hanada K, Vermeij M, Garinis GA, de Waard MC, Kunen MGS, Maas A, Duncker DJ, Meijers C, Kanaar R, Essers J (**2007**). Reduction of Fibulin-4 expression affects elastic fibre development and results in aortic valve abnormalities and aneurysm. **Circulation Research** 16;100(5):738-46.
19. Niedernhofer LJ, Garinis GA, Raams A, Appeldoorn E, Lalai AS, Odijk H, Oostendorp R, Ahmad A, Robinson AR, Nair P, Calder R. Brent, van Leeuwen W, Theil AF, Vermeulen W, van der Horst GTJ, Meinecke P, Kleijer WJ, Vijg J, Jaspers NGJ, Hoeijmakers JHJ (**2006**). A new progeroid syndrome reveals that genotoxic stress suppresses the somatotroph axis. **Nature** 21;444(7122):1038-43.
20. Jans J*, Garinis GA*, Schul W, van Oudenaren A, Moorhouse M, Smid M, Sert Y, van der Velde A, Rijksen Y, de Gruijl FR, van der Spek PJ, Yasui A, Hoeijmakers JHJ, Leenen P, van der Horst GTJ (**2006**). Differential role of basal keratinocytes in UV-induced immunosuppression and skin cancer. **Mol Cell Biol**. 26(22):8515-26. *Equal contribution.
21. Garinis GA, Mitchell JR, Moorhouse MJ, Hanada K, de Waard H, Vandeputte D, Jans J, Brand K, Smid M, van der Spek PJ, Hoeijmakers JH, Kanaar R, van der Horst GT (**2005**). Transcriptome analysis reveals cyclobutane pyrimidine dimers as a major source of UV-induced DNA breaks. **EMBO J**. 16; 24(22): 3952-62.

16. Other Publications

22. Apostolou Z, Chatzinikolaou G, Stratigi K, Garinis GA (**2019**). Nucleotide Excision Repair and Transcription associated DNA damage. **Bioessays** 41(4):e1800201. doi: 10.1002/bies.201800201.
23. Agathangelou K, Apostolou Z, Garinis GA (**2018)**. Nuclear DNA Damage and Ageing. **Subcell Biochem**. 2018;90:309-322.
24. Garinis GA, Schwer B, Schumacher B (2017). Editorial: DNA damage & immunity. Mech Ageing Dev. 2017 Apr 23. pii: S0047-6374(17)30097-0.
25. Stratigi K, Chatzidoukaki O, Garinis GA (**2016**). DNA damage-Induced Inflammation and Nuclear Architecture. **Mech Ageing Dev.** pii: S0047-6374(16)30175-0. doi: 10.1016/j.mad.2016.09.008.
26. Ioannidou A, Goulielmaki E, Garinis GA (**2016**). DNA Damage: From Chronic Inflammation to Age-Related Deterioration. **Front Genet**. 25;7:187. Review.
27. Zacharioudaki E, Housden BE, Garinis G, Stojnic R, Delidakis C, Bray SJ (**2016**). Genes implicated in stem cell identity and temporal programme are directly targeted by Notch in neuroblast tumours. **Development.** 15;143(2):219-31.
28. Visser WE, Bombardieri CR, Zevenbergen C, Barnhoorn S, Ottaviani A, van der Pluijm I, Brandt R, Kaptein E, van Heerebeek R, van Toor H, Garinis GA, Peeters RP, Medici M, van Ham W, Vermeij WP, de Waard MC, de Krijger RR, Boelen A, Kwakkel J, Kopchick JJ, List EO, Melis JP, Darras VM, Dollé ME, van der Horst GT, Hoeijmakers JH, Visser TJ (**2016**). Tissue-Specific Suppression of Thyroid Hormone Signaling in Various Mouse Models of Aging. **PLoS One** 8;11(3):e0149941.
29. Karakasilioti I, Garinis GA (**2014**). Tissue-specific aging: a tale of functional asymmetry. **Aging** (Albany NY) ;6(1):7-8.
30. Charlton JJ, Chatzidakis I, Tsoukatou D, Boumpas DT, Garinis GA, Mamalaki C (**2013**). Programmed death-1 shapes memory phenotype CD8 T cell subsets in a cell-intrinsic manner**. J Immunol**;190(12):6104-14.
31. Gregg SQ, Gutiérrez V, Robinson AR, Woodell T, Nakao A, Ross MA, Michalopoulos GK, Rigatti L, Rothermel CE, Kamileri I, Garinis GA, Stolz DB, Niedernhofer LJ (**2012**). A mouse model of accelerated liver aging caused by a defect in DNA repair. **Hepatology**;55(2):609-21.
32. Garinis GA, Schumacher B (**2009**). Transcription-blocking DNA damage in aging and longevity. **Cell Cycle**;8(14):2134-5.
33. Schumacher B, Hoeijmakers JH, Garinis GA (**2009**). Sealing the gap between nuclear DNA damage and longevity. **Mol Cell Endocrinol**;299(1):112-7.
34. Garinis GA. Nucleotide excision repair deficiencies and the somatotropic axis in aging (**2008**). **Hormones** 7(1):9-16.
35. Kurek D, Garinis GA, van Doorninck JH, van der Wees J, Grosveld FG (**2007**). Transcriptome analysis reveals aberrant Gata3-dependent signalling pathways in murine epidermis and hair follicles. **Development** 134(2):261-72.
36. Gorgels T, van der Pluijm I, Brandt RMC, Garinis GA, van Steeg H, van den Aardweg G, Jansen GH, Ruijter JM, Bergen A, van Norren D, Hoeijmakers JH, van der Horst GTJ (**2007**). Retinal degeneration and ionizing radiation hypersensitivity in a mouse model for Cockayne syndrome. **Mol Cell Biol**. 27(4):1433-41.
37. Garinis GA, Patil CK, Schgumacher B (**2007**). The molecular basis of aging": the Boehringer Ingelheim Fonds 95th International Titisee Conference. **Mech Ageing** 128(7-8):469-75
38. van de Ven M, Andressoo JO, Holcomb VB, Hasty P, Suh Y, van Steeg H, Garinis GA, Hoeijmakers JH, Mitchell JR (**2007**). Extended longevity mechanisms in short-lived progeroid mice: identification of a preservative stress response associated with successful aging. **Mech Ageing Dev** 128(1):58-63.
39. Garinis GA, Judith J and van der Horst GTJ (**2006**). Photolyases: capturing the light to battle skin cancer. **Future Oncol**. 2(2): 191-9.
40. Sklavounou-Andrikopoulou A, Chrysomali E, Iakovou M, Garinis GA, Karameris A. Elevated serum levels of the apoptosis related molecules TNF-alpha, Fas/Apo-1 and Bcl-2 in oral lichen planus (**2004**). **J Oral Pathol Med**. 33(7): 386-90.
41. Menounos PG, Garinis GA, Patrinos GP (**2003**). Glucose-6-phosphate dehydrogenase deficiency does not result from mutations in the promoter region of the G6PD gene. **J Clin Lab Anal.** 17(3): 90-2.
42. Garinis GA, Manolis EN, Spanakis NE, Patrinos GP, Peros G, Menounos PG (**2003**). High frequency of concomitant nm23-H1 and E-cadherin transcriptional inactivation in primary non-inheriting colorectal carcinomas. **J Mol Med**. 81(4): 256-63.
43. Garinis GA, Spanakis NE, Menounos PG, Manolis EN, Peros G (**2003**). Transcriptional impairment of beta-catenin/E-cadherin complex is not associated with beta-catenin mutations in colorectal carcinomas. **Br J Cancer**. 88(2): 206-9.

44. Garinis GA, Menounos PG, Spanakis NE, Papadopoulos K, Karavitis G, Parassi I, Christeli E, Patrinos GP, Manolis EN, Peros G (**2002**). Hypermethylation-associated transcriptional silencing of E-cadherin in primary sporadic colorectal carcinomas. **J Pathol.** 198(4): 442-9.
45. Garinis GA, Patrinos GP, Spanakis NE, Menounos PG (**2002**). DNA hypermethylation: when tumour suppressor genes go silent. **Hum Genet**. 111(2): 115-27.
46. Spanakis NE, Garinis GA, Alexopoulos EC, Patrinos GP, Menounos PG, Sklavounou A, Manolis EN, Gorgoulis VG, Valis D (**2002**). Cytokine serum levels in patients with chronic HCV infection. **J Clin Lab Anal**. 16(1): 40-6.
47. Garinis GA, Gorgoulis VG, Mariatos G, Zacharatos P, Kotsinas A, Liloglou T, Foukas P, Kanavaros P, Kastrinakis NG, Vassilakopoulos T, Vogiatzi T, Field JK, Kittas C (**2001**). Association of allelic loss at the FHIT locus and p53 alterations with tumour kinetics and chromosomal instability in non-small cell lung carcinomas (NSCLCs). **J Pathol.** 193(1): 55-65.
48. Gorgoulis VG, Zacharatos P, Kotsinas A, Mariatos G, Liloglou T, Vogiatzi T, Foukas P, Rassidakis G, Garinis G, Ioannides T, Zoumpourlis V, Bramis J, Michail PO, Asimacopoulos PJ, Field JK Kittas C (**2000**). Altered expression of the cell cycle regulatory molecules pRb, p53 and MDM2 exert a synergetic effect on tumor growth and chromosomal instability in non-small cell lung carcinomas (NSCLCs). **Mol Med**. 6(3): 208-37.
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17. Book Chapters

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