

CURRICULUM VITAE

Vassilis G Gorgoulis

1. CONTACT DETAILS

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2. CURRENT POSITION

1. Professor-Director, Dept. of Histology and Embryology, School of Medicine, National and Kapodistrian University of Athens, Athens, Greece. (site: www.gorgoulis.gr)
2. Collaborating Professor, Biomedical Research Foundation, Academy of Athens, Athens, Greece (site: <http://www.bioacademy.gr/faculty-details/Gsk/vassilis?lang=en>)
3. Honorary Professor, Faculty of Medical and Human Sciences, University of Manchester, Manchester, UK (site: <http://www.manchester.ac.uk/research/Vasileios.gorgoulis/>)
4. Member of the board of the Center for New Biotechnologies and Precision Medicine, Medical School, National and Kapodistrian University of Athens, Athens, Greece.
5. Visiting Professor, Faculty of Health and Medical Sciences, University of Surrey, UK.

3. EDUCATION - TRAINING

- A. Undergraduate Studies: School of Medicine, University of Athens, Greece (degree: *Summa Cum Laude*) (June 1988)
- B. Post-Graduate Studies:
- i. *PhD thesis*: School of Medicine University of Athens, Greece (degree: *Summa Cum Laude*) (April 1994)
 - ii. *Medical Specialty*: Pathology (degree: *Summa Cum Laude*) (November 1996)

4. MAJOR SCIENTIFIC ACHIEVEMENTS

A. Our group played a major role in:

I Establishing the “Oncogene-induced DNA damage model for cancer development” (**Science 2008; Nat Rev Mol Cell Biol 2010; J Pathol 2018**). Based on: **Cancer Res 2001; J Pathol 2002; J Pathol 2004; Nature 2005; Nature 2006; J Pathol 2006; Cancer Res 2007 (1); Oncogene 2008; Blood 2008; Am J Pathol 2009; Nature Genetics 2011; Nature Cell Biol 2011; Cancer Res 2012; Cell Death Differ 2014; Cell Mol Life Sci 2014; Cell Rep 2015; Nat Cell Biol 2016; Genomics 2018; Genome Biology 2018**; and currently the broader role of DNA damage response pathway in disease development (**Cell 2016**) **II** Demonstrating that oncogene-induced senescence is a DNA damage stress response acting as a barrier to cancer (**Nature 2006; Cancer Res 2007 (1); Am J Pathol 2009; Curr Opin Cell Biol 2010; Nature Cell Biol 2011; Cell Death Differ 2015; Nat Cell Biol 2016; BMC Genomics 2018; Genome Biology 2018**) **III** Clarifying the functional interplay and the timeline of events underlying the two major antitumor checkpoint responses, i.e. DDR and ARF (**Nat Cell Biol 2013; Cell Death Diff 2013; Cell Cycle 2014**) **IV** Revealing the oncogenic role of replication licensing factors Cdc6 and Cdt1 by inducing DNA replication stress and deregulating transcription (**Am J Pathol 2004; Nature 2006; Cancer Res 2007, J Cell Biol 2011; Transcription 2012; Semin Cancer Biol 2016; Nat Commun 2016; Nat Cell Biol 2016; PNAS 2016; BMC Genomics 2018; Genome Biology 2018**) **V** Understanding how cellular senescence is involved in age-related pathologies, including cancer (**EMBO J 2003; Lab Invest 2005; Nature 2006; Am J Pathol 2009; Aging 2013; Aging Cell 2013; Stem Cells 2013; Cell Death Differ 2015; Mech Ageing Dev 2016; Aging Cell 2017; J Pathol 2018; Int. J. Mol. Sci. 2018; Pharmacol Ther 2019 (1); Nat Commun 2020 (1); Nat Commun 2020 (2)**). **VI** Developing a pioneer senescence biomarker (commercially available under the trademark

SenTraGor™) and providing guidelines to detect senescence (**Aging 2013; Aging Cell 2017; Pharmacol Ther 2019 (1); Nature 2019; Cell 2019; Nat Protoc 2021**). **VII** Contributing to our understanding of the role that inflammation plays in cancer development (**Cancer Res 2007 (2); Cancer Cell 2013; Cancer Cell 2014; Pharmacol Ther 2015; Cell Death Diff 2015; Cell Rep 2016; Nat Comm 2018**: see **Appendix I** in the last page; **Nat Commun 2020 (2)**). **VIII** Providing evolutionary evidence that modern humans dispersed into Europe and Asia (150 thousand years) earlier than initially thought [**Nature 2019**: featured (77th) among the 100 top most influential studies of 2019 (<https://www.altmetric.com/top100/2019/>)]. **IX** Development of machine learning algorithms to predict biological responses (**Pharmacol Ther 2019 (2); Cell Reports 2019; Cancer Res 2020**)

B. i. EMBO member (elected May 2015) (<http://www.embo.org/news/press-releases/2015/embo-announces-new-members-for-2015>)

ii. Among the most Highly Cited Greek Scientists internationally:

<https://sites.google.com/site/highlycited/highly-cited-greek-scientists>

iii) Coordinator of the Greek national: “Emblematic action to handle SARS-CoV-2 infection: Epidemiological study in Greece via extensive testing for viral and antibody detection, sequencing of the virome and genetic analysis of the carriers” (2020-2022)

iv) Appointed by the government: national reference lab for COVID-19 testing.

5. PUBLICATIONS – CITATIONS - COMMUNICATIONS

- **293** publications in international peer reviewed journals (<http://www.ncbi.nlm.nih.gov/pubmed/?term=Gorgoulis>)

- **13** publications (Am J Pathol 2004, Nature 2005, Nature 2006, a.o.) are featured as “All time article recommendations” on the F1000 Faculty Prime site.

- **1** publication (Nature 2019) featured (77th) among the 100 top most influential studies of 2019 (<https://www.altmetric.com/top100/2019/>;

<https://www.altmetric.com/top100/2019/?subject=Studies+in+Human+Society&details=69411337>)

- **>23380** citations

- **11** chapters in international text-books

- **>150** communications at conferences, seminars, symposia, etc.

- h index: **72**

6. REVIEWER

- In more than 60 international peer reviewed journals (Cell, Nature, Nat Rev Cancer, Nat Cell Biol, Cancer Cell, Mol Cell, Genome Biol, Nat Comm, EMBO J, J Cell Biol, J Clin Invest, Curr Opin Cell Biol, Trends Genetics, Current Biology, Ann Human Genet, Cell Death Diff, Cancer Res, Current Biology, Cell Reports, Sem Cancer Biol, Oncogene, Cell Death Dis, J Pathol, Clin Cancer Res, FEBS Lett, J Cell Mol Med, Plos One, Carcinogenesis, Cancer Lett, J Mol Med, Mut Res, Mech Aging Dev, Lung Cancer, BMC Mol Biol, Biochimie, Cell Oncol, Mol Can Ther, Exp Cell Res, BMC Cancer, J Clin Immun, BMC Gastroenterology, Histology-Histopathology, Cytokine, Can Invest, J Biomolecular Techniques, Scandinavian Journal of Rheumatology, Anti-Cancer Drugs, Oral Oncology, European Journal of Oral Sciences, IUBMB Life, Otolaryngology-Head and Neck Surgery, Molecular Biology Reports, The International Journal of Biochemistry & Cell Biology, Cellular&Molecular Biology Letters, Arch Biochem Biophys, Cancer Chemotherapy and Pharmacology, Molecular Oncology, Biotechnic and Histochemistry, Recent patents on DNA & Gene sequences)

- For grant awards

a. International: **1)** European Research Council (ERC): Synergy/Advanced/Starting; **2)** Cancer Research UK; **3)** Medical Research Council, UK; **4)** Leukemia Research, UK; **5)** Israel Science Foundation; **6)** Deutsches Krebsforschungszentrum (DKFZ), Germany; **7)** Netherlands, NWO, Innovational Research Incentives Scheme Veni 2013 ALW; **8)** Agence Nationale De La Recherche (French National Research Agency), France; **9)** French National Cancer Institute (INCa); **10)** Dutch Cancer Society, Holland; **11)** Ministry of Science and Technology, Israel;

- 12) "Tumour escape" from canceropole CLARA (Cancéropôle Lyon Auvergne Rhône-Alpes); 13) The Neye Foundation, Denmark; 14) Austrian Science Fund; 15) European Hematology Association, Netherlands; 16) Swiss Cancer League, Switzerland; 17) Swiss National Science Foundation; 18) Portuguese Science and Technology Foundation; 19) Academy of Sciences of the Czech Republic; 20) Czech Science Foundation; 21) HRB eGrant Ver2.0, Health Research Awards 2011; 22) BIRAX Ageing; 23) Barts Charity; 24) vi. U.S. FOOD & DRUG ADMINISTRATION, Chief Scientist Grants Program, USA
- b. *Domestic*: 1) Greek Ministry of Education; 2) General Secretariat for Research and Technology (GSRT); 3) Karatheodori, University of Patras, Greece; 4) IKY, 5) ELIDEK, 6) EPANEK

- Member of review panel for the evaluation of international institutes

- 1) Max Delbrück Center for Molecular Medicine (MDC), Berlin, Germany (2018)
2) Center for Chromosome Stability (CCS), Danish National Research Foundation, Copenhagen, Denmark (2019)

7. TEACHING AND SUPERVISING RESPONSABILITIES

- a. *Undergraduate teaching*: School of Medicine: Histology - Cell Biology, Embryology and Cancer Biology; Dentistry School: Histology – Cell Biology, Embryology
- b. *Postgraduate Supervising*: i) Supervisor or member of the supervising committee for >20 PhD students over the last 5 years; ii) Supervisor of >10 students for MSc or MPhil diploma thesis over the last 5 years
- c. Post Doctoral Supervising: Supervisor of 10 PostDocs over the last 5 years

8. COLLABORATIONS

- a. Institute of Cancer Biology and Centre for Genotoxic Stress Research, Danish Cancer Society, Copenhagen, Denmark. **Prof J Bartek**
- b. Dept of Molecular Biology, University of Geneva, Geneva, Switzerland. **Prof. TD Halazonetis**
- c. Dept of Molecular Cell Biology, The Weizmann Institute of Science. Rehovot, Israel. **Profs M Oren and V Rotter**
- d. Dept of Human Molecular Genetics and Biochemistry, Sackler Medical School, Tel Aviv University, Tel Aviv, Israel. **Prof. Y Shiloh**
- e. Telomeres and cellular senescence program, c/o IFOM-IEO, Milan, Italy. Head of Lab & Group: **Dr F d'Adda di Fagagna**
- f. Lab of Human Carcinogenesis, NCI-CCR, National Institutes of Health, Bethesda, Maryland. **Prof. C. Harris**
- g. Biotech Research and Innovation Centre (BRIC), University of Copenhagen, Copenhagen, Denmark. **Prof. C.S. Sørensen**
- h. Tumor Suppression Group, Molecular Oncology Programme, Spanish National Cancer Research Centre (CNIO), Madrid, Spain. **Prof. M Serrano**
- i. School of Life Sciences, University of Dundee, UK. **Prof. JJ Blow**
- j. Dept of Molecular Medicine and Biotechnology, Medical School of Rijeka, Rijeka, Croatia. **Prof. S Volarevic**
- k. Signalling and Cell Cycle Laboratory, Oncology Research Programmes, Institute for Research in Biomedicine (IRB), Barcelona, Spain. **Prof. A Nebreda**
- l. Science for Life Laboratory, Division of Translational Medicine and Chemical Biology, Department of Medical Biochemistry and Biophysics, Karolinska Institutet, Stockholm, Sweden. **Prof. T Helleday**
- m. IMBA, Institute of Molecular Biotechnology of the Austrian Academy of Sciences; Vienna, Austria. **Prof. J M Penninger**
- n. Division of Radiation and Genomic Stability, Department of Radiation Oncology, Dana-Farber Cancer Institute, USA. **Dr. D. Chowdhury**

- o. Department of The David H. Koch Center for Applied Research of Genitourinary Cancers, The University of Texas MD Anderson Cancer Center, Houston, TX, USA. **Prof C.J. Logothetis**

(for detailed collaborations see: <http://www.gorgoulis.gr/research-activity/collaborations>)

9. MEMBERSHIP IN SCIENTIFIC ASSOCIATIONS

1. **EMBO member**
2. European Association for Cancer Research
3. European Society of Pathology
4. Hellenic Society of Pathology
5. International Union Against Cancer (UICC)
6. Hellenic Association for Molecular Cancer Research
7. Hellenic Society for Biochemistry and Molecular Biology.

10. Journals - Editorial board membership

- Experimental Gerontology (<https://www.sciencedirect.com/journal/experimental-gerontology/about/editorial-board>)
- International Journal of Molecular Sciences (<http://www.mdpi.com/journal/ijms/sectioneditors/biochemistry>)
- In vivo (<http://iiar-anticancer.org/220-2/>)
- Mechanisms of Ageing and Development (<https://www.journals.elsevier.com/mechanisms-of-ageing-and-development/editorial-board/vassilis-gorgoulis-md-phd>)

11. GRANTS AWARDED

Domestic: 20 grants with approx. total budget >8.500.000 euros

Representative: **i)** Emblematic action to handle SARS-CoV-2 infection: Epidemiological study in Greece via extensive testing for viral and antibody detection, sequencing of the virome and genetic analysis of the carriers. (GSRT No 2020ΣΕ01300001), 2020-2022; **ii)** *HFRF*: Hippo, 2019-2021; PACOREL, 2020-2023; **iii)** *GSRT*: Emblematic action in collaboration with Intelligencia 2020; ΕΠΙΑvEK, 2020; ΕΠΙΑvEK, 2018; “ARISTEIA II” program, 2014-2015; "Post-doctoral Reinforcement" 2012-2015; "ENTER", 2006-2007; “Pythagoras” 2004-2005; "PENED 2003", 2004; Framework Program Research and Technology (FPRT) II, Activity 1.2, 1998 - 2001; ΥΠΕΠ97, 1998 - 2001; **iv)** *IKY Foundation*: IKY-Siemens Excellence programs, 2015-2017; **v)** *EPEAEK*, Greek Ministry of Education: "Heraklitos II", 2010-2013; "Pythagoras II", 2005-2006; "Heraklitos", 2005; **vi)** *Greek National Board of Health*, 1996.

European Community: 6 grants with approx. total budget >5.500.000 euros

Specific: **1)** Horizon 2020, ITN (SYNTRAIN), 2016-2020; **2)** FP7, REGPOT (INsPiRE), 2011-2014; **3)** FP7, (INFLA-CARE), 2008-2010; **4)** FP7, (GENICA), 2008-2010; **5)** FP5, (SACROHN), 2000-2002; **6)** FP4, CRAFT, 1997-2000.

International and Private funding bodies: 18 grants with approx. total budget >2.100.000 euros

Specific: **1)** MRC iCASE Leadership, University of Manchester, UK, **2)** Haris Pappas donation (100K\$), **3)** PathLAKE for Data to Early Diagnosis and Precision Medicine strand of the Industrial Strategy Challenge Fund, managed and delivered by UK Research and Innovation (UKRI), **4)** Small Business Research Initiative (SBRI) Healthcare Challenge on Cancer - NHS UK, **5)** NIHR i4i-connect: DeepMed-University of Manchester, UK, **6)** KIKPE Greece, **7)** “Thomas Helleday Foundation” Sweden, **8)** AstraZeneca Hellas; **9)** BIC Hellas; **10)** DHI Hellas; **11)** ELPEN; **12)** Hollister Hellas S.A.; **13)** Novartis Hellas S.A.; **14)** Roche Hellas S.A.; **15)** GENESIS Pharma S.A.; **16)** Pfizer Hellas S.A.; **17)** Wyeth Hellas S.A.; **18)** Marousis AE (Covidien).

12. CLINICAL SERVICES

Pathology and molecular diagnostic services:

- SARS-CoV-2 detection and genome sequencing

- Pathology services for various biopsy materials
- Molecular diagnostics services:
 - i) detection of pathogens: HPV, EBV, HSV, Mycobacterium, etc
 - ii) K-Ras, B-Raf mutation detection
- European regional scheme organizer of the European Society of Pathology in the annually K-Ras European Quality Assurance Program, related to the anti-EGFR therapy (URL: <http://kras.eqascheme.org/>).
- Accredited with excellence by the European Society of Pathology for K-Ras mutation detection

13. FELLOWSHIPS and PRIZES AWARDED

- **34 fellowships and prizes** (eg UICC, Greek Academy of Sciences, University of Athens, Hellenic Pathology Society, Papanicolaou Cytopathology Research Award a.o.)
- May 2015, elected **EMBO member** (<http://www.embo.org/news/press-releases/2015/embo-announces-new-members-for-2015>)
- Among the most Highly Cited Greek Scientists internationally: <https://sites.google.com/site/highlycited/highly-cited-greek-scientists>

14. ORGANIZER OF INTERNATIONAL CONFERENCES/ MEETINGS/ WORKSHOPS (key organizer)

- a. 2nd Genomic Instability Workshop, GENICA FP7 Health Programme, Athens, May 2009
- b. 1st International Conference on Molecular Cancer Research, Royal Olympic Hotel, Athens, November 2009
- c. EMBO Workshop, Chromosome Structure, Damage & Repair, September, Cape Sounio Hotel, 2011
- d. International workshop on: “Ageing and Cancer Cell Biology: Convergent and divergent molecular mechanisms”, Athens July, 2013
- e. International workshop on: “Oncogenic Pathways and Antitumor Responses”, Athens April, 2014
- f. Senescence in neural development and neurodegeneration, symposium of the 7th Mediterranean Neuroscience Conference, Marrakech, June 23-27, 2019
- g. International Cell Senescence Association (ICSA) conference, Athens, 9-12 Sept 2019

15. INTERNATIONAL INVITATIONS (at workshops, seminars, conferences)

- a. **Invited lecture** at the 34th Annual Meeting of the European Society for Radiation Biology (ESRB) and the Annual Scientific Meeting of the Association for Radiation Research (ARR), Leicester, UK, September 2005
- b. **EMBO Workshop** “Molecular mechanisms of cell cycle control in normal and malignant cells”, Spetses island, Greece, October 2007
- c. **Invited seminar** at IFOM-IEO, Milan, October 2008
- d. **Invited seminar** at Gray Institute for Radiation Oncology & Biology 2010 Seminar Series, Oxford University, November 2010
- e. **EMBO Workshop** “Chromosome Structure, Damage & Repair”, Cape Sounio, Greece, September 2011
- f. **Invited lecture** at the TransMedRi project, University of Rijeka Faculty of Medicine, Rijeka, Croatia, May 2013
- g. **Chairman and speaker at the Cold Spring Harbor Laboratory meeting Special Session** “Eukaryotic DNA Replication & Genome Maintenance”, Cold Spring Harbor Laboratory, USA, September 2013
- h. **Invited seminar** at University of Geneva, December 13th, 2013
- i. **International workshop** on “Ageing and cancer cell biology: Convergent and divergent molecular mechanisms”, Athens, July 2013

- j. **EMBO Conference** “The DNA damage response in cell physiology and disease”, Cape Sounio, Greece, October 2013
- k. **Invited seminar** at BRIC, Copenhagen BioCenter, March 27th, 2014
- l. 23rd Biennial Congress of the **European Association for Cancer Research (EACR)** “From Basic Research to Personalised Cancer Treatment”, Munich, Germany, July 2014
- m. **Invited seminar** at Tel Aviv University, May 18th, 2015
- n. **Invited seminar** at Hebrew University, Givat Ram, Jerusalem, May 20th, 2015
- o. **Invited seminar** at Hebrew University, Ein Kerem, Jerusalem, May 21st, 2015
- p. **Invited seminar** at Weizmann Institute, May 25th, 2015
- q. **Invited seminar** at Uppsala University, Nov 4th, 2015
- r. **Invited seminar** at Karolinska Institutet, Stockholm, Nov 5th, 2015
- s. **EMBO Conference** “The DNA damage response in cell physiology and disease”, Cape Sounio, Greece, Oct 2017
- t. **Invited seminar** στο IRB, Barcelona, 26 Oct, 2017
- u. **IUBMB Meeting** “Molecular aspects of aging& longevity”, Athens, Greece, 16-19 Nov 2017
- v. **ESTRO 37 symposium** on ‘Radiation induced senescence’, Barcelona, Spain, 20-24 Apr 2018
- w. **"4th Mancunian Skin Club (MSC) Annual International Workshop"**, Manchester, UK, 10-11 May, 2018.
- x. **International Cell Senescence Association (ICSA)** conference, Montreal, Canada, 8-11 July 2018
- y. **6th International Multithematic Bio-Medical Congress (IMBMC)**, Nicosia, Cyprus, Nov 14-18 2018

16. PATENTS

- October 2003: WIPO Publication No: WO/2005/035787 MOLECULAR DETECTION OF MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS, IPC: C12Q 1/68: Patent diploma was awarded for the “Molecular method for the typing of Mycobacterium avium subsp. Paratuberculosis” by the Organization of Industrial Property
- Patents pending: UK Patent Application Numbers 1611206.2 and 1611208.8, regarding SBB analogues chemical synthesis, method(s) and application(s) for senescence detection
- Patent pending: UK Patent Application Number GB1803531.1, regarding “Novel lipofuscin quantification detection”

17. OTHER DISTINCTIONS / ACCREDITATIONS / RESPONSABILITIES

- Lead Guest Editor in the: Journal of Biomedicine and Biotechnology - 2012
- Lead Guest Editor in the: International Journal of Molecular Sciences - 2015
- Lead Guest Editor in the: Mechanisms of Ageing and Development – 2019
- Lead Guest Editor in the: Frontiers Cell and Developmental Biology – 2019
- Lead Guest Editor in the: Frontiers Cellular Neuroscience – 2019
- Associate Guest Editor in the: Seminars in Cancer Biology - 2017
- Among the most Highly Cited Greek Scientists: <http://www.highlycitedgreekscientists.org/>
- Member of the TES Committee, which is responsible for quality assessment of all Greek Research Institutes
- Member of the National Ethics Committee (Ethinki Epitropi Deontologias)
- Member of the National Stem Cell Committee
- Member of the steering board of the New Biotechnologies and Personalized Medicine Center of the Medical School, National Kapodistrian University of Athens
- Member of various committees for directorship elections in Greek Research Institutes

- Referee for international Institutes (eg University of Liverpool, UK; Columbia University, NY, USA)
- Recognition of our work as a historical milestone in cell cycle and cancer research (Lavin MF, **Nature Reviews Molecular Cell Biology** 2008; Malumbres & Barbacid, **Nature Reviews Cancer**, 2009; Dobbelstein M & Sorensen CS, **Nature Reviews Drug Discovery**, 2015)

18. PUBLICATIONS

<http://www.ncbi.nlm.nih.gov/pubmed/?term=Gorgoulis>

1. Commissioned invitation entitled «Cellular senescence in cardiovascular diseases; moving to the "heart" of the problem» from Physiological Reviews. Submission date 31 Dec 2020.
2. Mathiasen SL, Gall-Mas L, Pateras IS, Theodorou SDP, Namini MRJ, Hansen MB, Martin OCB, Vadivel CK, Ntostoglou K, Butter D, Givskov M, Geisler C, Akbar AN, **Gorgoulis VG**, Frisan T, Ødum N, Krejsgaard T. Bacterial genotoxins induce T cell senescence. **Cell Rep.** 2021 Jun 8;35(10):109220.
3. Chatzis L, Goules AV, Pezoulas V, Baldini C, Gandolfo S, Skopouli FN, Exarchos TP, Kapsogeorgou EK, Donati V, Voulgari PV, Mavragani CP, **Gorgoulis V**, De Vita S, Fotiadis D, Voulgarelis M, Moutsopoulos HM, Tzioufas AG. A biomarker for lymphoma development in Sjogren's syndrome: Salivary gland focus score. **Journal of Autoimmunity** 2021; 121: 102648.
4. Lagopati N, Kotsinas A, Veroutis D, Evangelou K, Papaspyropoulos A, Arfanis M, Falaras P, Kitsiou PV, Pateras I, Bergonzini A, Frisan T, Kyriazis S, Tsoukleris DS, Tsilibary EC, Gazouli M, Pavlatou EA, **Gorgoulis VG**. Biological Effect of Silver-modified Nanostructured Titanium Dioxide in Cancer. **Cancer Genomics Proteomics.** 2021 May-Jun;18(3 Suppl):425-439.
5. Venkatesan S, Angelova M, Hynds RE, Lu W-T, Dietzen M, Galanos P, Evangelou K, Lim EL, Nigro E, Watkins TBK, Rowan A, Ngo B, Bellelli R, Zalmas L-P, Zhai H, Campbell BB, Hobor S, Grönroos E, Jamal-Hanjani M, Santoni-Rugiu E, Bertoli C, Fenton TR, Janes SM, de Bruin RAM, Brown WL, Harris RS, **Gorgoulis VG**, McGranahan N, Bartkova J, Bakhoun SF, Bartek J, Kanu N, Swanton C. Induction of APOBEC3 gene expression in pre-invasive disease promotes chromosomal instability early in cancer evolution. **Cancer Disc** accepted.
6. Spyropoulou Z, Papaspyropoulos A, Lagopati N, Myrianthopoulos V, Georgakilas AG, Fousteri M, Kotsinas A, **Gorgoulis VG**. Cockayne Syndrome Group B (CSB): The regulatory frame-work governing the multifunctional protein and its plausible role in cancer. **Cells** 2021 Apr 10;10(4):866.
7. Kohli J, Wang B, Brandenburg S, Basisty N, Evangelou K, Varela Erin M, Campisi J, Schilling B, **Gorgoulis V***, Demaria M*. Algorithmic assessment of cellular senescence in experimental and clinical specimens. **Nature Protocols** May;16(5):2471-2498. (*co-correspondance)

8. Martin OCB, Bergonzini A, Lopez Chiloeches M, Paparouna E, Butter D, Theodorou SDP, Haykal MM, Boutet-Robinet E, Tebaldi T, Wakeham A, Rhen M, **Gorgoulis VG**, Mak T, Pateras IS, Frisan T. Influence of the microenvironment on modulation of the host response by typhoid toxin. **Cell Rep.** 2021 Apr 6;35(1):108931.
9. van Vliet T, Varela-Eirin M, Wang B, Borghesan M, Brandenburg SM, Franzin R, Evangelou K, Seelen M, **Gorgoulis V**, Demaria M. Physiological hypoxia restrains the senescence-associated secretory phenotype via AMPK-mediated mTOR suppression. **Mol Cell** 2021 Mar 27:S1097-2765(21)00213-6.
10. Moustakas II, Katsarou A, Legaki AI, Pyrina I, Ntostoglou K, Papatheodoridi AM, Gercken B, Pateras IS, **Gorgoulis VG**, Koutsilieris M, Chavakis T, Chatzigeorgiou A. Hepatic Senescence Accompanies the Development of NAFLD in Non-Aged Mice Independently of Obesity. **Int J Mol Sci.** 2021 Mar 26;22(7):3446.
11. Tremi I, Havaki S, Georgitsopoulou S, Lagopati N, Georgakilas V, **Gorgoulis VG**, Georgakilas AG. A Guide for Using Transmission Electron Microscopy for Studying the Radiosensitizing Effects of Gold Nanoparticles In Vitro. **Nanomaterials** (Basel). 2021 Mar 27;11(4):859.
12. Barbouti A, Lagopati N, Veroutis D, Goulas V, Evangelou K, Kanavaros P, **Gorgoulis VG**, Galaris D. Implication of Dietary Iron-Chelating Bioactive Compounds in Molecular Mechanisms of Oxidative Stress-Induced Cell Ageing. **Antioxidants** (Basel). 2021 Mar 21;10(3):491.
13. Lagopati N, Belogiannis K, Angelopoulou A, Papaspyropoulos A, **Gorgoulis V**. Non-Canonical Functions of the ARF Tumor Suppressor in Development and Tumorigenesis. **Biomolecules.** 2021 Jan 12;11(1):E86.
14. Lagopati N, Evangelou K, Falaras P, Tsilibary EC, Vasileiou PVS, Havaki S, Angelopoulou A, Pavlatou EA, **Gorgoulis VG**. Nanomedicine: Photo-activated nanostructured titanium dioxide, as a promising anticancer agent. **Pharmacol Ther.** 2020 Dec 24; 222:107795.
15. Vergetis V, Skaltsas D, **Gorgoulis VG**, Tsirigos A. Assessing drug development risk using Big Data and Machine Learning. **Cancer Res.** 2020 Dec 22:canres.0866.2020.
16. Lagopati N, Tsioli P, Mourkioti I, Polyzou A, Papaspyropoulos A, Zafiroopoulos A, Evangelou K, Sourvinos G, **Gorgoulis VG**. Sample pooling strategies for SARS-CoV-2 detection. **J Virol Methods.** 2020 Dec 11:114044.

17. Koutsoudaki PN, Papadopoulos D, Passias P-G, Koutsoudaki P, **Gorgoulis VG**. Cellular Senescence and Failure of Myelin Repair in Multiple Sclerosis. Mechanisms of Ageing and Development. In Press 2020.
18. Papadopoulos D, Magliozzi R, Mitsikostas DD, **Gorgoulis VG**, Nicholas RS. Aging, Cellular Senescence, and Progressive Multiple Sclerosis. **Front Cell Neurosci**. 2020 Jun 30;14:178.
19. Papalampros A, Vailas M, Ntostoglou K, Chiloeches ML, Sakellariou S, Chouliari NV, Samaras MG, Veltsista PD, Theodorou SDP, Margetis AT, Bergonzini A, Karydakis L, Hasemaki N, Havaki S, Moustakas II, Chatzigeorgiou A, Karamitros T, Patsea E, Kittas C, Lazaris AC, Felekouras E, **Gorgoulis VG**, Frisan T, Pateras IS. Unique Spatial Immune Profiling in Pancreatic Ductal Adenocarcinoma with Enrichment of Exhausted and Senescent T Cells and Diffused CD47-SIRP α Expression. **Cancers** (Basel). 2020 Jul 7;12(7):E1825.
20. Magkouta SF, Pappas AG, Vaitsi PC, Agioutantis PC, Pateras IS, Moschos CA, Iliopoulou MP, Kosti CN, Loutrari HV, **Gorgoulis VG**, Kalomenidis IT. MTH1 Favors Mesothelioma Progression and Mediates Paracrine Rescue of Bystander Endothelium From Oxidative Damage. **JCI Insight**. 2020 Jun 18;5(12):134885.
21. Azazmeh N, Assouline B, Winter E, Rupp S, Nevo Y, Maly A, Meir K, Witkiewicz AK, Cohen J, Rizou SV, Pikarsky E, Luxenburg C, **Gorgoulis VG**, Ben-Porath I. Chronic expression of p16^{INK4a} in the epidermis induces Wnt-mediated hyperplasia and promotes tumor initiation. **Nat Commun**. 2020 Jun 1;11(1):2711.
22. Vougas K, Almpanis S, **Gorgoulis V**. Deep learning: shaping the medicine of tomorrow. **Mol Cell Oncol**. 2020 Feb 19;7(3):1723462.
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Appendix I



DEPARTMENT OF HEALTH & HUMAN SERVICES

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June 12, 2018

Letter of Statement for Professor Vassilis G. Gorgoulis

I am writing this Letter of Statement to underline the substantial role of Professor Vassilis G. Gorgoulis in the fulfillment of the recently published paper in Nature Communications entitled “**Mutant p53 cancers reprogram macrophages to tumor supporting macrophages via exosomal miR-1246**” [Nat Commun. 2018 Feb 22;9(1):771. doi: 10.1038/s41467-018-03224-w]. Professor Vassilis G. Gorgoulis and his team played a vital role in the assembly of the manuscript, providing expert pathology contribution and significant experimental and conceptual support. Therefore, I consider him as co-senior in this publication.

Sincerely,