

# CURRICULUM VITAE

## Vassilis G Gorgoulis

### 1. CONTACT DETAILS

Address Medical School, National Kapodistrian University of Athens, 75 Mikras Asias Str, Goudi, Athens 11527, Greece

Tel/E-mails: (0030) 210-7462352/vgorg@med.uoa.gr, vgorgoulis@gmail.com, vgorg@bioacademy.gr

Site: www.gorgoulis.gr

### 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](http://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.

### 3. EDUCATION - TRAINING

- A. Undergraduate Studies: School of Medicine, University of Athens, Greece (degree: *Cum Laude*) (June 1988)
- B. Post-Graduate Studies:
- i. *PhD thesis*: School of Medicine University of Athens, Greece (degree: *Cum Laude*) (April 1994)
  - ii. *Medical Specialty*: Pathology (degree: *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**). Based on: **Nature 2005; Nature 2006; J Pathol 2006; Cancer Res 2007; Oncogene 2008; Blood 2008; Am J Pathol 2009; Cancer Res 2012; Cell Death Differ 2014; Cell Mol Life Sci 2014; Cell Rep 2015; Nat Cell Biol 2016; 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; Am J Pathol 2009; Curr Opin Cell Biol 2010; Nature Genetics 2011; Nature Cell Biol 2011; Cell Death Differ 2015; BMC Genomics 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 Differ 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**) **V**) Contributing to our understanding of the role that inflammation plays in cancer development (**Cancer Cell 2013; Cancer Cell 2014; Pharmacol Ther 2015; Cell Rep 2016; Nat Comm 2018**; see **Appendix I** in the last page) **VI**) Understanding how cellular senescence and molecules/pathways involved in senescence contribute to organismal development, aging and diverse pathologies, including cancer (**EMBO J 2003; Lab Invest 2005; Nature 2006; Am J Pathol 2009; Mech Ageing Dev 2016; Aging 2013; Aging Cell 2013; Stem Cells 2013; Cell Death Differ 2015; Mech Ageing Dev 2016; Ageing Dev 2018**). As available assays to detect senescent cells are unsatisfactory, particularly *in vivo*, a major aim is to develop new methods to detect with precision and sensitivity senescent cells (**Aging 2013; Aging 2016**).

**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>

## 5. PUBLICATIONS – CITATIONS - COMMUNICATIONS

- **255** publications in international peer reviewed journals (<http://www.ncbi.nlm.nih.gov/pubmed/?term=Gorgoulis>)
  - **10** publications (Am J Pathol 2004, Nature 2005, Nature 2006, a.o.) are featured as “All time article recommendations” on the F1000 Faculty Prime site.
  - **>17190** citations
  - **7** chapters in international text-books
  - **>150** communications at conferences, seminars, symposia, etc.
- h index: **61**

## 6. REVIEWER

- In more than 60 international peer reviewed journals (Nature, Nat Rev Cancer, Nat Cell Biol, 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 Gastroenetrology, 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); **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
- 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

- Member of review panel for the evaluation of international institutes

- 1)** Max Delbrück Center for Molecular Medicine (MDC), Berlin (2018)

## 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. Dept of Molecular Biology, University of Geneva, Geneva, Switzerland. **Prof. TD Halazonetis**
- b. Institute of Cancer Biology and Centre for Genotoxic Stress Research, Danish Cancer Society, Copenhagen, Denmark. **Prof J Bartek**
- 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

- International Journal of Molecular Sciences  
(<http://www.mdpi.com/journal/ijms/sectioneditors/biochemistry>)
- In vivo (<http://iiar-anticancer.org/220-2/>)

## 11. GRANTS AWARDED

- Domestic: 18 grants with approx. total budget >2.000.000 euros
- European Community: 11 grants with approx. total budget >5.500.000 euros
- Private funding bodies: 11 donations with approx. total budget >500.000 euros

## 12. CLINICAL SERVICES

Pathology and molecular diagnostic services:

- 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)

- 2nd Genomic Instability Workshop, GENICA FP7 Health Programme, Athens, May 2009
- 1<sup>st</sup> International Conference on Molecular Cancer Research, Royal Olympic Hotel, Athens, November 2009
- EMBO Workshop, Chromosome Structure, Damage & Repair, September, Cape Sounio Hotel, 2011
- International workshop on: “Ageing and Cancer Cell Biology: Convergent and divergent molecular mechanisms”, Athens July, 2013
- International workshop on: “Oncogenic Pathways and Antitumor Responses”, Athens April, 2014
- Senescence in neural development and neurodegeneration, symposium of the 7th Mediterranean Neuroscience Conference, Marrakech, June 23-27, 2019
- International Cell Senescence Association (ICSA) conference, Athens, 9-12 Sept 2019
- Geroscience, satellite event to ICSA 2019 conference Athens 12-13 Sept 2019

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

- 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
- EMBO Workshop** “Molecular mechanisms of cell cycle control in normal and malignant cells”, Spetses island, Greece, October 2007
- Invited seminar** at IFOM-IEO, Milan, October 2008
- Invited seminar** at Gray Institute for Radiation Oncology & Biology 2010 Seminar Series, Oxford University, November 2010
- 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 13<sup>th</sup>, 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 27<sup>th</sup>, 2014
- l. 23<sup>rd</sup> 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 18<sup>th</sup>, 2015
- n. **Invited seminar** at Hebrew University, Givat Ram, Jerusalem, May 20<sup>th</sup>, 2015
- o. **Invited seminar** at Hebrew University, Ein Kerem, Jerusalem, May 21<sup>st</sup>, 2015
- p. **Invited seminar** at Weizmann Institute, May 25<sup>th</sup>, 2015
- q. **Invited seminar** at Uppsala University, Nov 4<sup>th</sup>, 2015
- r. **Invited seminar** at Karolinska Institutet, Stockholm, Nov 5<sup>th</sup>, 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
- Lead Guest Editor in the: International Journal of Molecular Sciences
- Associate Guest Editor in the: Seminars in Cancer Biology
- Lead Guest Editor in the: International Journal of Molecular Sciences
- 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 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)

## 18. PUBLICATIONS

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

1. Tsakiri EN, Gumeni S, Iliaki KK, Benaki D, Vougas K, Sykiotis GP, **Gorgoulis VG**, Mikros E, Scorrano L, Trougakos IP. Hyperactivation of Nrf2 increases stress tolerance at the cost of aging acceleration due to metabolic deregulation. *Aging Cell*. 2018 Dec 10:e12845.
2. Lobachevsky PN, Ventura J, Giannakandropoulou L, Forrester H, Palazzolo JS, Haynes NM, Stevenson AW, Hall CJ, Mason J, Pollakis G, Pateras IS, **Gorgoulis V**, Terzoudi GI, Hamilton JA, Sprung CN, Georgakilas AG, Martin OA. A Functional Immune System Is Required For The Systemic Genotoxic Effects Of Localised Irradiation. *Int J Radiat Oncol Biol Phys*. 2018 Dec 6. pii: S0360-3016(18)34068-9.
3. Gorgoulis VG, Kotsinas A. Cura"x"ing Cancer and Beyond. *Bioessays*. 2018 Dec 3:e1800223
4. Cooks T, Theodorou SD, Paparouna E, Rizou SV, Myrianthopoulos V, **Gorgoulis VG**, Pateras IS. Immunohisto(cyto)chemistry: an old time classic tool driving modern oncological therapies. *Histol Histopathol*. 2018 Nov 27:18069.
5. Rizou SV, Evangelou K, Myrianthopoulos V, Mourouzis I, Havaki S, Athanasiou A, Vasileiou PVS, Margetis A, Kotsinas A, Kastrinakis NG, Sfikakis P, Townsend P, Mikros E, Pantos C, **Gorgoulis VG**. A Novel Quantitative Method for the Detection of Lipofuscin, the Main By-Product of Cellular Senescence, in Fluids. *Methods Mol Biol*. 2019;1896:119-138.
6. Furth N, Pateras IS, Rotkopf R, Vlachou V, Rivkin I, Schmitt I, Bakaev D, Gershoni A, Ainbinder E, Leshkowitz D, Johnson RL, **Gorgoulis VG**, Oren M, Aylon Y. LATS1 and LATS2 suppress breast cancer progression by maintaining cell identity and metabolic state. *Life Sci Alliance*. 2018 Oct 30;1(5):e201800171.
7. Lallo A, Gulati S, Schenk MW, Khandelwal G, Berglund UW, Pateras IS, Chester CPE, Pham TM, Kalderen C, Frese KK, **Gorgoulis VG**, Miller C, Blackhall F, Helleday T, Dive C. Ex Vivo Culture of Cells Derived From Circulating Tumour Cell Xenograft to support Small Cell Lung Cancer Research and Experimental Therapeutics. *Br J Pharmacol*. 2018 Nov 14. doi: 10.1111/bph.14542. [Epub ahead of print]

8. Kritsilis M, V Rizou S, Koutsoudaki PN, Evangelou K, **Gorgoulis VG**, Papadopoulos D. Ageing, Cellular Senescence and Neurodegenerative Disease. *Int J Mol Sci*. 2018 Sep 27;19(10). pii: E2937.
9. Myriantopoulos V, Evangelou K, Vasileiou PVS, Cooks T, Vassilakopoulos TP, Pangalis GA, Kouloukoussa M, Kittas C, Georgakilas AG, **Gorgoulis VG**. Senescence and senotherapeutics: a new field in cancer therapy. *Pharmacol Ther*. 2018 Aug 16. pii: S0163-7258(18)30144-X.
10. Champeris Tsaniras S, Villiou M, Giannou AD, Nikou S, Petropoulos M, Pateras IS, Tserou P, Karousi F, Lalioti ME, **Gorgoulis VG**, Patmanidi AL, Stathopoulos GT, Bravou V, Lygerou Z, Taraviras S. Geminin ablation in vivo enhances tumorigenesis through increased genomic instability. *J Pathol*. 2018 Oct;246(2):134-140.
11. Pefani DE, Tognoli ML, Pirincci Ercan D, **Gorgoulis V**, O'Neill E. MST2 kinase suppresses rDNA transcription in response to DNA damage by phosphorylating nucleolar histone H2B. *EMBO J*. 2018 Aug 1;37(15). pii: e98760.
12. Magkouta S, Pappas A, Pateras IS, Kollintza A, Moschos C, Vazakidou ME, Karavana V, **Gorgoulis VG**, Kalomenidis I. Targeting Tie-2/angiopoietin axis in experimental mesothelioma confers differential responses and raises predictive implications. *Oncotarget*. 2018 Apr 24;9(31):21783-21796.
13. **Gorgoulis VG**, Pefani DE, Pateras IS, Trougakos IP. Integrating the DNA damage and protein stress responses during cancer development and treatment. *J Pathol*. 2018 Sep;246(1):12-40.
14. Galanos P, Pappas G, Polyzos A, Kotsinas A, Svolaki I, Giakoumakis NN, Glytsou C, Pateras IS, Swain U, Souliotis VL, Georgakilas AG, Geacintov N, Scorrano L, Lukas C, Lukas J, Livneh Z, Lygerou Z, Chowdhury D, Sørensen CS, Bartek J, **Gorgoulis VG**. Mutational signatures reveal the role of RAD52 in p53-independent p21-driven genomic instability. *Genome Biol*. 2018 Mar 16;19(1):37.
15. Barbouti A, Evangelou K, Pateras IS, Papoudou-Bai A, Patereli A, Stefanaki K, Rontogianni D, Muñoz-Espín D, Kanavaros P, **Gorgoulis VG**. In situ evidence of cellular senescence in Thymic Epithelial Cells (TECs) during human thymic involution. *Mech Ageing Dev*. 2018 Feb 25. pii: S0047-6374(17)30300-7.
16. \*Cooks T, Pateras IS, Jenkins LM, Patel KM, Robles AI, Morris J, Forshew T, Appella E, **Gorgoulis VG**, Harris CC. Mutant p53 cancers reprogram macrophages



- to tumor supporting macrophages via exosomal miR-1246. *Nat Commun.* 2018 Feb 22;9(1):771. [Co-senior author: see Appendix I (last page)]
17. Solomon H, Dinowitz N, Pateras IS, Cooks T, Shetzer Y, Molchadsky A, Charni M, Rabani S, Koifman G, Tarcic O, Porat Z, Kogan-Sakin I, Goldfinger N, Oren M, Harris CC, **Gorgoulis VG**, Rotter V. Mutant p53 gain of function underlies high expression levels of colorectal cancer stem cells markers. *Oncogene.* 2018 Jan 18. [Epub ahead of print]
  18. Komseli ES, Pateras IS, Krejsgaard T, Stawiski K, Rizou SV, Polyzos A, Roumelioti FM, Chiourea M, Mourkioti I, Pappas E, Zampetidis CP, Gumeni S, Trougakos IP, Pefani DE, O'Neill E, Gagos S, Eliopoulos AG, Fendler W, Chowdhury D, Bartek J, **Gorgoulis VG**. A prototypical non-malignant epithelial model to study genome dynamics and concurrently monitor micro-RNAs and proteins in situ during oncogene-induced senescence. *BMC Genomics.* 2018 Jan 10;19(1):37.
  19. Ventura J, Lobachevsky PN, Palazzolo JS, Forrester H, Haynes NM, Ivashkevich A, Stevenson AW, Hall CJ, Ntargaras A, Kotsaris V, Pollakis GC, Potsi G, Skordylis K, Terzoudi G, Pateras IS, **Gorgoulis VG**, Georgakilas AG, Sprung CN, Martin OA. Localized Synchrotron Irradiation of Mouse Skin Induces Persistent Systemic Genotoxic and Immune Responses. *Cancer Res.* 2017 Nov 15;77(22):6389-6399.
  20. Myriantopoulos V, Lozach O, Zareifi D, Alexopoulos L, Meijer L, **Gorgoulis VG**, Mikros E. Combined Virtual and Experimental Screening for CK1 Inhibitors Identifies a Modulator of p53 and Reveals Important Aspects of in Silico Screening Performance. *Int J Mol Sci.* 2017 Oct 6;18(10). pii: E2102.
  21. Gumeni S, Evangelakou Z, **Gorgoulis VG**, Trougakos IP. Proteome Stability as a Key Factor of Genome Integrity. *Int J Mol Sci.* 2017 Sep 22;18(10). pii: E2036.
  22. Havaki S, Vlachou V, Zampetidis CP, Selemenakis P, Kotsinas A, Mavrogonatou E, Rizou SV, Kyrodimos E, Evangelou K, Kletsas D, Giatromanolaki A, **Gorgoulis VG**. Monitoring Autophagy Immunohistochemically and Ultrastructurally during Human Head and Neck Carcinogenesis. Relationship with the DNA Damage Response Pathway. *Int J Mol Sci.* 2017 Sep 7;18(9). pii: E1920.
  23. **Gorgoulis VG**, Pateras IS, Kotsinas A. MiR-signing gastrointestinal (con-)tract cancer. *Oncotarget.* 2017 May 2;8(18):29536-29537.

24. Souli MP, Klonos P, Fragopoulou AF, Mavragani IV, Pateras IS, Kostomitsopoulos N, Margaritis LH, Zoumpoulis P, Kaklamanis L, Kletsas D, **Gorgoulis VG**, Kyritsis A, Pissis P, Georgakilas AG. Applying Broadband Dielectric Spectroscopy (BDS) for the Biophysical Characterization of Mammalian Tissues under a Variety of Cellular Stresses. *Int J Mol Sci*. 2017 Apr 15;18(4).
25. Kalisperati P, Spanou E, Pateras IS, Korkolopoulou P, Varvarigou A, Karavokyros I, **Gorgoulis VG**, Vlachoyiannopoulos PG, Sougioultzis S. Inflammation, DNA Damage, Helicobacter pylori and Gastric Tumorigenesis. **Front Genet**. 2017 Feb 27;8:20.
26. Evangelou K, Lougiakis N, Rizou SV, Kotsinas A, Kletsas D, Muñoz-Espín D, Kastrinakis NG, Pouli N, Marakos P, Townsend P, Serrano M, Bartek J, **Gorgoulis VG**. Robust, universal biomarker assay to detect senescent cells in biological specimens. **Aging Cell**. 2017 Feb;16(1):192-197.
27. Tarcic O, Granit RZ, Pateras IS, Masury H, Maly B, Zwang Y, Yarden Y, **Gorgoulis VG**, Pikarsky E, Ben-Porath I, Oren M. RNF20 and histone H2B ubiquitylation exert opposing effects in Basal-Like versus luminal breast cancer. **Cell Death Differ**. 2017 Feb 3. [Epub ahead of print]
28. Herrtwich L, Nanda I, Evangelou K, Nikolova T, Horn V, Sagar, Erny D, Stefanowski J, Rogell L, Klein C, Gharun K, Follo M, Seidl M, Kremer B, Münke N, Senges J, Fliegau M, Aschman T, Pfeifer D, Sarrazin S, Sieweke MH, Wagner D, Dierks C, Haaf T, Ness T, Zaiss MM, Voll RE, Deshmukh SD, Prinz M, Goldmann T, Hölscher C, Hauser AE, Lopez-Contreras AJ, Grün D, **Gorgoulis V**, Diefenbach A, Henneke P, Triantafyllopoulou A. DNA Damage Signaling Instructs Polyploid Macrophage Fate in Granulomas. **Cell**. 2016 Nov 17;167(5):1264-1280.e18.
29. Sotiriou SK, Kamileri I, Lugli N, Evangelou K, Da-Ré C, Huber F, Padayachy L, Tardy S, Nicati NL, Barriot S, Ochs F, Lukas C, Lukas J, **Gorgoulis VG**, Scapozza L, Halazonetis TD. Mammalian RAD52 Functions in Break-Induced Replication Repair of Collapsed DNA Replication Forks. **Mol Cell**. 2016 Dec 15;64(6):1127-1134.
30. Kaffe E, Katsifa A, Xylourgidis N, Ninou I, Zannikou M, Harokopos V, Foka P, Dimitriadis A, Evangelou K, Moulas AN, Georgopoulou U, **Gorgoulis VG**, Dalekos GN, Aidinis V. Hepatocyte autotaxin expression promotes liver fibrosis and cancer. **Hepatology**. 2016 Dec 16. [Epub ahead of print]

31. Galtsidis S, Logotheti S, Pavlopoulou A, Zampetidis CP, Papachristopoulou G, Scorilas A, Vojtesek B, **Gorgoulis V**, Zoumpourlis V. Unravelling a p73-regulated network: The role of a novel p73-dependent target, MIR3158, in cancer cell migration and invasiveness. **Cancer Lett.** 2017 Mar 1;388:96-106.
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## Appendix I



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

National Institutes of Health  
Bethesda, Maryland 20892

**Curtis C. Harris, Chief**  
National Cancer Institute, NIH  
Laboratory of Human Carcinogenesis  
Building 37, Room 3068A  
37 Convent Drive Bethesda, MD 20892-4258  
Tel: 240-760-6420  
Fax: 240-541-4496  
Email: [Curtis\\_Harris@nih.gov](mailto:Curtis_Harris@nih.gov)

**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,