

CURRICULUM VITAE

Vassilis G Gorgoulis

1. CONTACT DETAILS

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2. CURRENT POSITIONS

1. Professor-Director, Dept. of Histology and Embryology, School of Medicine, National and Kapodistrian University of Athens, Athens, Greece. (site: www.gorgoulis.gr)
2. Professor and Chair, Clinical and Molecular Pathology, Medical School, University of Dundee, Dundee, UK (elected March 2022)
3. Honorary Professor, Faculty of Medical and Human Sciences, University of Manchester, Manchester, UK (site: <http://www.manchester.ac.uk/research/Vasileios.gorgoulis/>)
4. Collaborating Professor, Biomedical Research Foundation, Academy of Athens, Athens, Greece (site: <http://www.bioacademy.gr/faculty-details/Gsk/vassilis?lang=en>)
5. Member of the board of the Center for New Biotechnologies and Precision Medicine, Medical School, National and Kapodistrian University of Athens, Athens, Greece.
6. Visiting Professor, Faculty of Health and Medical Sciences, University of Surrey, UK.
7. Adjunct Professor, Institute of Biosciences & Applications NCSR "Demokritos", Athens, Greece

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 Speciality*: 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; Mol Cell 2021; EMBO R 2021** 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 Path 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); Mol Cell 2021; Physiol Rev 2022). **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). Patented through UMIP, University of Manchester and recently licensed to BioTechne/Tocris and Cayman Chemicals. **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/>); Sci Adv 2022)]. **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. European Academy of Cancer Sciences (EACS) member (elected May 2022) (<https://www.europeancanceracademy.eu/>)

iii. Academia Europaea (AE) member (elected May 2022) (https://www.ae-info.org/ae/Member/Gorgoulis_Vassilis)

iv. Among the most Highly Cited Greek Scientists internationally:
<https://sites.google.com/site/highlycited/highly-cited-greek-scientists>

v. 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)

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

5. PUBLICATIONS – CITATIONS - COMMUNICATIONS

- **328** publications in international peer reviewed journals (<http://www.ncbi.nlm.nih.gov/pubmed/?term=Gorgoulis>)
- **22** 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>)
- Sept 2021 recognition: among the top 0,1% experts in cellular senescence (https://twitter.com/Daily_Experts/status/1436228969683095556?ref_src=twsrc%5Etfw)
- **>28422** citations
- **12** chapters in international text-books
- **>150** communications at conferences, seminars, symposia, etc.
- **h** index: **77**

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 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): i. Synergy LS1-Panel member 2021, ii. External reviewer for Synergy/Advanced/Starting; 2) EMBO Young Investigator Programme, 3) Cancer Research UK; 4) Medical Research Council, UK; 5) Leukemia Research, UK; 6) Israel Science Foundation; 7) Deutsches Krebsforschungszentrum (DKFZ), Germany; 8) Netherlands, NWO, Innovational Research Incentives Scheme Veni 2013 ALW; 9) Agence Nationale De La Recherche (French National Research Agency), France; 10) French National Cancer Institute (INCa); 11) Dutch Cancer Society, Holland; 12) Ministry of Science and Technology, Israel; 13) "Tumour escape" from canceropole CLARA (Cancéropôle Lyon Auvergne Rhône-Alpes); 14) The Neye Foundation, Denmark; 15) Austrian Science Fund; 16) European Hematology Association, Netherlands; 17) Swiss Cancer League, Switzerland; 18) Swiss National Science Foundation; 19) Portuguese Science and Technology Foundation; 20) Academy of Sciences of the Czech Republic; 21) Czech Science Foundation; 22) HRB eGrant Ver2.0, Health Research Awards 2011; 23) BIRAX Ageing; 24) Barts Charity; 25) U.S. FOOD & DRUG ADMINISTRATION, Chief Scientist Grants Program, USA, 26) FONDECYT-CHILE.
- 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 (emphasis on upper and lower respiratory system), Anthropology; 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**
- d.** University of Dundee, Dundee, UK. **Profs R Petty and JJ Blow**
- e.** Dept of Human Molecular Genetics and Biochemistry, Sackler Medical School, Tel Aviv University, Tel Aviv, Israel. **Prof Y Shiloh**
- f.** Institute of Pathology, University Medical Centre Göttingen, Göttingen, Germany. **Prof A Papantonis**
- g.** Telomeres and cellular senescence program, c/o IFOM-IEO, Milan, Italy. Head of Lab & Group: **Dr F d'Adda di Fagagna**

- h.** Lab of Human Carcinogenesis, NCI-CCR, National Institutes of Health, Bethesda, Maryland. **Prof C Harris**
- i.** Biotech Research and Innovation Centre (BRIC), University of Copenhagen, Copenhagen, Denmark. **Prof CS Sørensen**
- j.** Tumor Suppression Group, Molecular Oncology Programme, Spanish National Cancer Research Centre (CNIO), Madrid, Spain. **Prof M Serrano**
- k.** Dept of Molecular Medicine and Biotechnology, Medical School of Rijeka, Rijeka, Croatia. **Prof S Volarevic**
- l.** Signalling and Cell Cycle Laboratory, Oncology Research Programmes, Institute for Research in Biomedicine (IRB), Barcelona, Spain. **Prof A Nebreda**
- m.** Science for Life Laboratory, Division of Translational Medicine and Chemical Biology, Department of Medical Biochemistry and Biophysics, Karolinska Institutet, Stockholm, Sweden. **Prof T Helleday**
- n.** Laboratory of Cellular Senescence and Age-related Pathologies, European Research Institute for the Biology of Aging (ERIBA), University Medical Center Groningen (UMCG), Netherlands. **Dr M Demaria**
- o.** National Heart and Lung Institute, Imperial College London, London, UK, **Prof P Barnes**
- p.** Computing Sciences Department, Bocconi University, Milan Italy. **Prof F Buffa**
- q.** Institute of Molecular Biology & Biotechnology, FORTH, Greece. **Assoc Prof P Verginis**
- r.** 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 CJ Logothetis**

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

9. MEMBERSHIP IN SCIENTIFIC ASSOCIATIONS

1. **EMBO member**
2. **European Academy of Cancer Sciences (EACS)**
3. **Academia Europaea (AE)**
4. European Association for Cancer Research
5. European Society of Pathology
6. Hellenic Society of Pathology
7. International Union Against Cancer (UICC)
8. Hellenic Association for Molecular Cancer Research
9. Hellenic Society for Biochemistry and Molecular Biology
10. American Mathematical Society (AMS)
11. Hellenic Mathematical Society (HMS)

10. Journals - Editorial board membership

- Review and Associate Editor for Cancer Cell Biology (specialty section of Frontiers in Cell and Developmental Biology) 2022 (<https://www.frontiersin.org/journals/cell-and-developmental-biology/sections/cancer-cell-biology#editorial-board>)
- F1000 Research 'Cellular senescence in stress and aging' Collection Advisor Inquiry 2022 (<https://f1000research.com/collections/cell-sene-stres-aging/about-this-collection>)
- 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 actions: Handling 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 2020ΣE01300001), 2020-2022; Application of artificial intelligence for the development of drugs and new therapies (GSRT No 2020ΣM01300002), 2020-2022; **ii)** *HFRI*: CEMA, 2021-2024; Hippo, 2019-2021; PACOREL, 2020-2023; **iii)** *GSRT*: Emblematic action in collaboration with Intelligencia 2020; ΕΠAvEK, 2020; ΕΠAvEK, 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; YΠEP97, 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 >7.500.000 euros

Specific: **1)** ERC Advanced (FIRSTSTEPS) 2022-2025; **2)** Horizon 2020, ITN (SYNTRAIN), 2016-2020; **3)** FP7, REGPOT (INsPiRE), 2011-2014; **4)** FP7, (INFLA-CARE), 2008-2010; **5)** FP7, (GENICA), 2008-2010; **6)** FP5, (SACROHN), 2000-2002; **7)** 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, RECOGNITIONS and PRIZES AWARDED

- **May 2022:** election as member of the Academia Europaea
- **May 2022:** election as member of the European Academy of Cancer Sciences
- **Nov 2021:** Best oral presentation for the study “RASSF1A disrupts the NOTCH signaling axis via SNURF/RNF4-mediated ubiquitination of HES1” awarded at the 71st Panhellenic Congress of the Greek Society of Biochemistry and Molecular Biology, Athens, Greece.
- **Sept 2021:** among the **top 0,1% experts in cellular senescence** (https://twitter.com/Daily_Experts/status/1436228969683095556?ref_src=twsrc%5Etfw)
- **Oct 2019:** Recognition on the contribution towards basic research in the field of head & neck cancer from the Hellenic Head & Neck Cancer Society, Hotel Crowne Plaza, Athens, Greece.
- **May 2018:** Best poster announcement for the study “**The E3, E4 ubiquitin ligase UBE4B in human cancer**” awarded at the **10th Panhellenic congress of the Hellenic Society of Basic and Clinical Pharmacology**, Ioannina, Greece.

- **September 2016:** EMBO poster prize for the study "Chronic p53-independent p21 expression shifts from excision repair to DNA double-strand break repair promoting chromosomal instability", in the **EMBO Workshop "Nuclear function and cell fate choice"**, Kyllini, Greece.
- **October 2015:** Heidelberg, EMBL, awarded EMBO membership upon election
- **December 2014: Mousoulou L. family Award** for the study "Functional interplay between the DNA-damage response kinase ATM and ARF tumor suppressor protein in human cancer" was awarded to Prof. Vassileios G. Gorgoulis by the **Academy of Athens**
- **May 2010: Award "Prof. N.X. Papacharalampous"** for the study "The overexpression of the licensing factor CDC6 downregulates E-Cadherin expression" in the **12th Hellenic Congress of Pathology**
- **May 2008: Award "Prof. N.X. Papacharalampous"** for the study "The role of p53 in the deregulated expression of E2F1 in osteosarcomas" in the **11th Hellenic Congress of Pathology**
- **November 2007: Praise** for the best poster for the study "The role of iNOS inhibition with the elective inhibitor 1400W in experimental aortic aneurysm of rats" was awarded in the **8th Greek-Cypriot Congress of Surgery**
- **May 2007:** The study "Activation of the DNA damage checkpoint and genomic instability in human precancerous lesions" that was published in Nature 2005; 434(7035): 907-913" was awarded by the **Rector Council of the National and Kapodistrian University of Athens as one of the best studies conducted** by a member of the University and published in greek or international journals during the academic period 2005-2006
- **January 2007: 2007 Award of Excellence from the Association of Professors from the Medical School, National Kapodistrian University of Athens (EKIPA)**
- **May 2006: Praise** for the study "Evaluation of claspin as proliferation marker in normal and cancerous human tissues" in the **10th Hellenic Congress of Pathology**
- **May 2006: Praise** for the study "Expression of the transcriptional factor E2F1 in the chronic liver disease and the hepatocellular carcinoma" in the **10th Hellenic Congress of Pathology**
- **May 2006: Award "Prof. N.X. Papacharalampous"** for the study "Presence of centrosomal abnormalities in Non-Small Cell Lung Carcinomas and its relation with ploidy and overexpression of Cyclin E" in the **10th Hellenic Congress of Pathology**
- **January 2006:** The study "Overexpression of the replication licensing regulators hCdt1 and hCdc6 characterizes a subset of non-small-cell lung carcinomas. Synergistic effect with mutant p53 on tumor growth and chromosomal instability – evidence of E2F1 transcriptional control over hCdt1" , was awarded by the **Rector Council of the National and Kapodistrian University of Athens as one of the best studies conducted** by a member of the University and published in greek or international journals during the academic period 2003-2004
- **November 2004: Prize for the 2nd best poster** for the study "p53-Dependent Icam-1 Over-Expression In Senescent Human Cells. Their Identification In Atherosclerotic Lesions" was awarded in the **4th European Congress of Biogerontology**, Newcastle upon Tyne, UK
- **November 2004: Prize for the 2nd best oral presentation** for the study "Correlation among polymorphisms in the TOLL-4 receptor, CD14 and CARD15/NOD2 and inflammatory bowel disease" was awarded in the **24th Hellenic Congress of Gastroenterology**
- **October 2004: "Papanicolaou Cytopathology Research Award"** for the study "Overexpression of the replication licensing regulators hCdt1 and hCdc6 characterizes a subset of non-small cell lung carcinomas. Synergistic effect with mutant p53 on tumor growth and chromosomal instability. Evidence of E2F-1 transcriptional control over hCdt1" was awarded in the **30th European Congress of Cytology**
- **March - July 2004: Scholarship by UICC** for the research project: "Investigation of the E2F-1 induced p73-dependent apoptosis in colon cancer after DNA damage" that was funded with 3509\$

- **May 2004:** The study “Transcription factor E2F-1 acts as a growth promoting factor and is associated with adverse prognosis non-small cell lung carcinomas” that was published in J Pathol 2002; 198:142-156 was awarded by the **Rector Council of the National and Kapodistrian University of Athens as one of the best studies conducted** by a member of the University and published in greek or international journals during the academic period 2002-2003
- **January 2004: Praise for the best research study** “Elective inhibition of the inducible NO synthase (iNOS) in aorta aneurysm” in the **9th Hellenic Congress of Vascular Surgery – Angiology**
- **October 2003:** Patent diploma was awarded for the “Molecular method for the typing of Mycobacterium avium subsp. Paratuberculosis” by the **Organization of Industrial Property**
- **June 2003:** The study “The mutation Leu1007fsinsC in the NOD2 gene predisposes for the inflammatory phenotype of Chron’s disease in the greek population” was awarded the **prize for the best novel study** in the **2nd Hellenic Congress of Inflammatory Bowel Diseases**
- **January 2003:** The study “Alterations of the p16-pRb pathway and the chromosome locus 9p21-22 in non-small cell lung carcinomas. Relationship with p53 and MDM2 protein expression” that was published in Am J Pathol 1998; 153” , was awarded by the **Rector Council of the National and Kapodistrian University of Athens as one of the best studies conducted** by a member of the University and published in greek or international journals during the academic period 1998-1999
- **November 2002: Award “K. Tarlatzi”** for the study “International interlaboratory study for the development of a molecular method for the typing of Mycobacterium avium spp Paratuberculosis in fresh and fixed biologic material from cattle, sheep and birds” in the **9th Hellenic Veterinary Congress**
- **May 2002:** The study “Overexpression of the p27KIP1 protein in advanced invasive breast cancer” was awarded from the **Athens Medical Society** in the 28th Hellenic Medical Congress
- **April 2002: “Galinos” award** for the study “The complement inhibitor CD59(MIRL) and the adhesive molecule CD58(LFA-3), two new gene targets in the genomic region of p53” was awarded by the **Hellenic Society of General Pathology** in the 8th Hellenic Congress of Pathology
- **May 2001: First Prize** for the study “Prognostic significance of p53-Her2/neu and Cathepsin D in invasive breast cancer” in the **7th Hellenic Congress of Surgical Oncology**
- **March 2001: Third Prize** for the study “Apoptosis and Proliferation of epithelial cells in H. Pylori (HP) gastritis. Correlation with the histological parameters and alterations after eradication” in the **6th Hellenic Congress of GSCHP, 2001**
- **April 2000: “Galinos” award** for the study “Deregulated expression of the oncogene c-mos in Non-Small Cell Lung Cancer. Relation with the oncosuppressive protein p53, genomic instability and tumour kinetic parameters” was awarded by the **Hellenic Society of General Pathology** in the 7th Hellenic Congress of Pathology
- **January 2000:** The study “Effects of p53 mutants derived from lung carcinomas on the p53-responsive element (p53RE) of the MDM2 gene” that was published in Br J Cancer 1998; 77: 374-384, was awarded by the **Rector Council of the National and Kapodistrian University of Athens as one of the best studies conducted** by a member of the University and published in greek or international journals during the academic period 1997-98
- **December 1999: The “L. Mousoulou” family award** from the Academy of Athens for the study “Alterations of the p16-pRb pathway and the chromosome locus 9p21-22 in non-small-cell lung carcinomas: relationship with p53 and MDM2 protein expression”
- **May 1999: Second Prize for the “Sotiris Papastamatis” award** for the study “oral presentation from young investigator for the study: “Applications of a novel molecular method for the identification and typing of mycobacteria in archival paraffin embedded

- material with granulomatous inflammation” was awarded from the **Athens Medical Society** in the 25th Hellenic Medical Congress
- **December 1997: First Prize for best study** of the congress for the study: “Diagnostic evaluation of tuberculosis and sarcoidosis cases with a novel molecular technique on archive material embedded in paraffin” was awarded from the **Hellenic Society of Pulmonary Medicine** in the 9th Greek Congress of Pulmonary diseases
 - **November 1997: Award** for the study “Loss of Heterozygosity in the chromosomal region 9p21 in breast cancer is related with deregulated expression of the oncosuppressive protein p16” from the **Scientific Committee of the “Agios Savvas” Athens Oncology Hospital** in the 9th Hellenic Oncology Congress
 - **March 1996: Third Prize** for best study of the congress for the study: “Immunohistochemical and Molecular evaluation of the mdm2 gene product in Bronchogenic Carcinoma. Relationship to p53 protein immunohistochemical status and clinicopathological features” was awarded from the **Hellenic Society of Pulmonary Medicine** in the 8th Greek Congress of Pulmonary diseases
 - **March 1996: First Prize** for best study of the congress for the study: “The role of the expression of Matrix Metalloproteases and their inhibitors in the determination of invasive/metastatic potential of Squamous bronchogenic carcinomas” was awarded from the **Hellenic Society of Pulmonary Medicine** in the 8th Greek Congress of Pulmonary diseases
 - **May 1995: First Prize for oral presentation** from young investigator for the study: “Expression of p53 and mutation of its gene in dysplastic lesions and Squamous carcinomas of the larynx in relation to the presence of HPV and the proliferation marker PCNA. Correlation of the findings with the clinicopathological parameters was awarded from the **Athens Medical Society** in the 21st Hellenic Medical Congress
 - **May 1994: First Prize for oral presentation** from young investigator for the study: “PCR applications in the diagnosis of tuberculosis from paraffin embedded tissues” was awarded from the **Athens Medical Society** in the 20th Hellenic Medical Congress
 - **April 1994:** The study “The expression of the Epidermal Growth Factor receptor (EGFR) and of the oncoprotein c-erbB-2 in the carcinomas of the transitional cell epithelium (TCC) of the bladder. Immunohistochemical analysis and molecular analysis with differential PCR” was awarded the **“Katsara” prize** for the best study encompassing novel techniques from the **Hellenic Society of General Pathology**
 - **September 1993: First Award** for the study: “Allelic imbalance in Chromosome 17 (17p13.1) and mutations in p53 oncosuppressive gene, in gastrointestinal tract malignancies” awarded by the **Hellenic Society of Gastroenterology**

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** at 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
- z. Invitation talk at the **Distinguished Guest Seminar Series** of the **Umeå Centre for Microbial Research (UCR)**, Umeå University, Sweden, May 2022

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
- June 2021 and March 2022: EPO Publication No: EP3475265B1 and EP3475287B1, respectively, 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”

Note: the commercially available SBB analogue compound SenTraGor has been recommended for senescence detection (**Cell** 2019 and **Nat Protoc** 2021).

17. OTHER DISTINCTIONS / ACCREDITATIONS / RESPONSABILITIES

- Associate Guest Editor in the: *Bioessays* – 2021
- Lead Guest Editor in the: *Cells* – 2020
- Lead Guest Editor in the: *Cells* – 2019
- 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
- Lead Guest Editor in the: *International Journal of Molecular Sciences* - 2015
- Lead Guest Editor in the: *Journal of Biomedicine and Biotechnology* - 2012
- 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 (Ethniki 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; Dobbeltstein M & Sorensen CS, **Nature Reviews Drug Discovery**, 2015)

18. BOOK CHAPTERS

1. Hazapis O, Lagopati N, Pezoulas VC, Papayiannis GI, Fotiadis DI, Skaltsas D, Vergetis V, Tsirigos A, Stratis IG, Yannacopoulos AN, **Gorgoulis VG**. Machine learning: a tool to shape the future of medicine. In: *Handbook of Machine Learning Applications for Genomics. Studies in big data (series) V*: 103, Springer-Verlag 2021.
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5. Vasileiou PVS, Magiorkinis G, Lagiou P, **Gorgoulis V**. Analytic methods for systems medicine. In: *Translational systems medicine and oral disease*. Academic Press, Elsevier 2019.
6. Kotzamanis G, Kotsinas A, Papalois A, **Gorgoulis VG**. Targeting the Lung: Challenges in Gene Therapy for Cystic Fibrosis. In: *Gene Therapy - Tools and Potential Applications*, Chapter 22, InTech, open science 2013

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9. Kotsinas A, Lontos M, Pateras I, **Gorgoulis VG**. Molecular techniques in Surgical Research. In Key topics in surgical research and methodology, Springer 1st ed, Chapter 73, pages 951-974
10. Evangelou K., Tsantoulis PK, Kotsinas A, **Gorgoulis VG**. The opposing roles of E2Fs in cancer. In: Control of cellular physiology by transcription factors E2F, Research Signpost, Chapter 13, pages 223 – 241
11. Lontos M, Evangelou K, Koutsami M, **Gorgoulis V**. The c-mos proto-oncogene, a meiotic gene in cancer development. In Genes, Genomes and Genomics, Regency Publications (2007) Volume 2, Chapter 2, pages 16-33
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19. PUBLICATIONS

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

1. Papadopoulou-Fermeli N, Lagopati N, Pippa N, Sakellis E, Boukos N, **Gorgoulis VG**, Gazouli M, Pavlatou EA. Composite Nanoarchitectonics of Photoactivated Titania-Based Materials with Anticancer Properties. **Pharmaceutics**. 2022 Dec 30;15(1):135.
2. Pantelis P, Theocharous G, Lagopati N, Veroutis D, Thanos DF, Lampoglou GP, Pippa N, Gatou MA, Tremi I, Papaspyropoulos A, Kyrodimos E, Pavlatou EA, Gazouli M, Evangelou K, **Gorgoulis VG**. The Dual Role of Oxidative-Stress-Induced Autophagy in Cellular Senescence: Comprehension and Therapeutic Approaches. **Antioxidants** (Basel). 2023 Jan 11;12(1):169.
3. Manoussakis MN, Svolaki IP, Hazapis O, Zerva L, **Gorgoulis VG**, Magiorkinis G. Postgenomic Bioinformatic Analysis of Nucleic Acid Sequences Expressed in the Salivary Gland Epithelial Cells of Primary Sjögren's Syndrome Patients in Search of Microorganisms and Endogenous Retroviruses. **Mediterr J Rheumatol**. 2022 Sep 30;33(3):371-374.
4. Brevini T, Maes M, Webb GJ, John BV, Fuchs CD, Buescher G, Wang L, Griffiths C, Brown ML, Scott WE 3rd, Pereyra-Gerber P, Gelson WTH, Brown S, Dillon S, Muraro D, Sharp J, Neary M, Box H, Tatham L, Stewart J, Curley P, Pertinez H, Forrest S, Mlcochova P, Varankar SS, Darvish-Damavandi M, Mulcahy VL, Kuc RE, Williams TL, Heslop JA, Rossetti D, Tysoe OC, Galanakis V, Vila-Gonzalez M, Crozier TWM, Bargheer J, Sinha S, Upponi SS, Fear C, Swift L, Saeb-Parsy K, Davies SE, Wester A, Hagström H, Melum E, Clements D, Humphreys P, Herriott J, Kijak E, Cox H, Bramwell C, Valentijn A, Illingworth CJR; UK-PBC research consortium, Dahman B, Bastaich DR, Ferreira RD, Marjot T, Barnes E, Moon AM, Barritt AS 4th, Gupta RK, Baker S, Davenport AP, Corbett G, **Gorgoulis VG**, Buczacki SJA, Lee JH, Matheson NJ, Trauner M, Fisher AJ, Gibbs P, Butler AJ, Watson CJE, Mells GF, Dougan G, Owen A, Lohse AW, Vallier L, Sampaziotis F. FXR inhibition may protect from SARS-CoV-2 infection by reducing ACE2. **Nature**. 2022 Dec 5.
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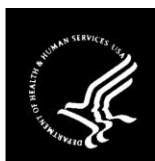
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Appendix I



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

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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,

A handwritten signature in black ink, appearing to read "Curtis Harris", written in a cursive style.