

CURRICULUM VITAE

VASSILIOS GORGOULIS

Professor of Histology and Embryology

**Laboratory of Histology – Embryology, Medical School,
National Kapodistrian University of Athens**

1. Personal Information

Name: Vassilios Gorgoulis
Birth Date: 1st February 1961
Birth Place: Athens, Greece
Citizenship: Greek
Marital status Married, 2 children
Languages Greek, English, Polish
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2. Current Position

Professor of Histology and Embryology

Director - Laboratory of Histology and Embryology, Medical School, University of Athens

Research Associate, Biomedical Research Foundation, Academy of Athens

3. Education - Training

Undergraduate studies

1982 – 1988	MBBS (Hons) Medical School, National and Kapodistrian University of Athens, Greece
1988 Athens	General medical license awarded by Prefecture of Athens

Postgraduate studies

Sept 1991 – April 1994	PhD (Hons), Laboratory of Molecular Oncology-Biotechnology, Institute of Biological Research and Biotechnology, National Hellenic Research Foundation, Athens, Greece. Title: "Analysis of the EGF Receptor in the lung squamous carcinomas"
Jan – Sept 1992	Partial elaboration of the PhD thesis in the: Growth factors and Oncogenes Group, Beatson Institute for Cancer Research, Glasgow, Scotland, UK. Director: Dr Brad Ozanne.
April – June 1993	Partial elaboration of the PhD thesis in the: Nuffield Department of Clinical Laboratory Sciences, John Radcliffe Hospital. Oxford, UK. Head: Prof. K. Gatter.

Residency in Pathology

Feb 1991 – Oct 1991	Resident in the Department of Pathology, "401" General Military Hospital, Athens
Oct 1991 – Feb 1995	Resident in the Department of Pathology, "Korgialenio – Mpenakio – Red Cross" General Hospital, Athens
Nov 1995 – Nov 1996	Resident in the Laboratory of Cytology, "Sotiria" General Hospital of Chest Diseases, Athens
1997	License for the Specialty of Pathology, awarded by the Prefecture of Athens

Additional training

Jan – Sept 1992	Training on “Molecular Biology” techniques: Growth factors and Oncogenes Group, Beatson Institute for Cancer Research, Glasgow, Scotland, UK, Director: Dr Brad Ozanne.
April – June 1993	Training on “In situ hybridization” techniques: Nuffield Department of Clinical Laboratory Sciences, John Radcliffe Hospital. Oxford, UK. Head: Prof. K. Gatter.
Jan – April 1999	Training on “Automated sequencing” techniques: Genomic Instability Group, Roy Castle Institute for Lung Cancer Research. Liverpool, UK. Director: Prof. J.K. Field.
March – July 2004	Fellowship from UICC for training in the “Molecular and Cellular Oncogenesis Program”: The Wistar Institute, Philadelphia, USA.

4. Academic career

Sept 1997- Oct 2001	Lecturer, Laboratory of Histology and Embryology, School of Medicine, National and Kapodistrian University of Athens, Greece
Nov 2001 – Aug 2008	Assistant Professor, Laboratory of Histology and Embryology, School of Medicine, National and Kapodistrian University of Athens, Greece
Sept. 2008 – Feb 2010	Associate Professor, Laboratory of Histology and Embryology, School of Medicine, National and Kapodistrian University of Athens, Greece
Mar 2010 – today	Professor, Laboratory of Histology and Embryology, School of Medicine, National and Kapodistrian University of Athens, Greece
Oct 2011 – today	Director, Laboratory of Histology and Embryology, School of Medicine, National and Kapodistrian University of Athens, Greece
July 2011 – today	Research Associate, Biomedical Research Foundation, Academy of Athens

5. Teaching and supervising experience

A. Undergraduate teaching

- September 1997 – today “Histology and Embryology” courses to:
2nd year medical undergraduate students
1st year dentistry undergraduate students
- September 2008 – today “Biology of Cancer” courses to:
medical undergraduate students
- September 1997 – today “Modern Techniques in Cellular Biology” courses to:
medical undergraduate students

B. Postgraduate teaching (MPhil courses)

- September 2004 – today “Laboratory techniques – Developmental Biology”, as a part of the postgraduate program “Postgraduate program in Clinical and Laboratory Medicine” of the National and Kapodistrian University of Athens
- September 1998 – today “Histology – Immunohistochemistry - Immunocytochemistry”, as a part of the postgraduate program “Applications of Biology in Medicine” of the Medical School, National and Kapodistrian University of Athens
- September 2007 – today “The role of the DNA Damage Response pathway during carcinogenesis” as a part of the postgraduate program “Biology of Cancer and surgery” of the Medical School, National and Kapodistrian University of Athens

C. Supervising duties

- *MPhil diploma projects Supervisor*

- Six MPhil students in the last 3 years

- *PhD Thesis Supervisor*

- More than 20 PhD students in the last five years. Currently main supervisor of eight PhD students.

- *Supervisor of Postdoctoral Researchers*

- Dr Zacharatos Panagiotis (Sept 2003 – Aug 2004)
- Dr Kotzamanis George (Sept 2006 – today)
- Dr Guenova Margarita (Sep 1998 – Mar 1999)
- Dr Niforou Aikaterini (Sept 2010 – today)
- Dr Sideridou Maria (Sept 2011 – today)
- Dr Petrakis Thodoris (March 2012 – today)

- Representative positions of former trainees

- Goutas Nikolas: Associate Professor, Laboratory of Forensic Medicine and Toxicology, Medical School, National and Kapodistrian University of Athens, Greece
- Garinis George: Associate Professor, Biology Department, University of Crete, Greece
- Rassidakis George: Assistant Professor, Pathology Department, Medical School, NKUA, Greece
- Foukas Periklis: Assistant Professor, 2nd Department of Pathology, Medical School, NKUA, "Attikon" University Hospital
- Drakos Elias: Lecturer, Medical School, University of Crete
- Kouvaraki Maria: Associate Professor, Surgical Department, Medical School, University of Thessaly, Greece
- Athanasiou Athanasios: Professor of Cardiovascular Sciences & Cardiac Surgery, Division of Surgery at Imperial College, London, UK - Consultant Cardiothoracic Surgeon at Hammersmith and St Mary's Hospitals
- Adamakis Ioannis: Lecturer, Department of Urology, Medical School, NKUA, Greece
- Mariolis Theodoros: Lecturer, Nursing School, NKUA, Greece
- Guenova Margarita: Associate Professor, Center of Excellence for the Translation Research in Hematology, Sofia, Bulgaria
- Vougas Konstantinos: Member of the Biotechnology Group, Center of Basic Research II, Biomedical Research Foundation, Academy of Athens, Greece
- Rezaei Nooshin: Scientist in Livestock Biotechnology, Technische Universität München, Munich, Germany
- Tsantoulis Petros: Internal Medicine resident, University Hospital of Geneva
- Troupis Theodoros: Assistant Professor, Department of Anatomy, Medical School, NKUA
- Eirini Thanopoulou: Clinical Research Fellow - Breast Unit, the Royal Marsden NHS Foundation Trust, London, UK

6. Organizing – Administrative experience

- Coordinator of the round table with subject "Pathology and staging" in the 1st Interbalkan Seminar in Colorectal Cancer, Athens, Greece, 2001
- Coordinator of the round table with subject "Drug-genomics" in the 10th Congress of the Hellenic Society of Pathology, Ioannina, May 2006

- Coordinator of the Conference with subject: "Clinical applications of Molecular Pathology" under the aegis of the Hellenic Society of General Pathology, Athens, November 1999
- Member of the organizing committee of the 4th Annual Conference of the International Society for the prevention of Tobacco Induced Diseases. Biologic effects and public health impact of tobacco, Auditorium of "Errikos Dynan" Hospital, Athens, September 30th – October 2nd 2005.
- Coordinator of the Molecular Histopathology Working Group of the Hellenic Society of General Pathology (2009 – today)
- Organizer of the 2nd GENICA/CANGENIN Genomic Instability Workshop, Athens, May 16-19, 2009
- Organizer of the "Chromosome: structure, damage and repair" EMBO Workshop, Athens, September 25-28, 2011

7. Research experience

- Research fellowships

- *Nov 1990 - Nov 1996* Research Associate, Lab Molecular Oncology-Biotechnology, Institute of Biological research and Biotechnology, National Hellenic Research Foundation, Athens, Greece
- *Jan – Sept 1992:* Research Associate, Growth factors and Oncogenes Group, Beatson Institute for Cancer Research, Glasgow, Scotland, UK, Director: Dr Brad Ozanne
- *July 1993 – Dec 1994:* Research Associate, Lab of Immunology, 1st Propedeutic University Clinic, Medical School, University of Athens
- *March 1994 – Aug 1997:* Research Associate, Dept. of Histology and Embryology, School of Medicine, National and Kapodistrian University of Athens, Greece
- *Nov 1990 – Aug 1996:* Research Associate, Research Unit, Dept. of Pathology, "401" General Army Hospital, Athens Greece
- *March-July 2004:* Research Associate, Wistar Institute, Molecular and Cellular Oncogenesis Program (Director: Prof Th. Halazonetis), Philadelphia, USA

- International Collaborations

- Molecular and Cellular Oncogenesis Program, The Wistar Institute. Philadelphia, USA. Director: Prof. T.D. Halazonetis (until July 2006)
- Department of Molecular Biology, University of Geneva, Geneva, Switzerland. Director: Prof. T.D. Halazonetis (July 2006 – today)

- Institute of Cancer Biology and Centre for Genotoxic Stress Research, Danish Cancer Society, Copenhagen, Denmark. Director: Prof. Jiri Bartek
- Oren Department of Molecular Cell Biology, The Weizmann Institute of Science. Rehovot, Israel. Director: Prof. M. Oren
- Genomic Instability Group, Roy Castle Institute for Lung Cancer Research. Liverpool, UK. Director: Prof. J.K. Field
- Clinical Cytogenetics Laboratory, University of Columbia Medical Center, New York, USA. Director: Associate Professor Brynn Levy
- Understanding Cell Death in Tumour Cells Group, Beatson Institute for Cancer Research. Glasgow, Scotland. Head of Lab & Group: P.I. K Ryan
- Department of Pathology, University of St Andrews, St Andrews, Scotland, UK Director: Prof. S.C. Herrington, 2007
- Kaplan Comprehensive Cancer Center, New York University School of Medicine and Veteran Affairs Medical Center New York, USA: P.I: Prof. Xue-Ru Wu
- Department of Mouse Genetics and Inflammation, Institute for Genetics, University of Cologne, Cologne, Germany. Prof.: Manolis Pasparakis
- Signalling and Cell Cycle Group, Spanish National Cancer Research Centre, Madrid, Spain, Head of Group: Angel Nebreda
- Ludwig Institute for Cancer Research Stockholm Area, Uppsala University, Uppsala, Sweden. Dr. Aris Moustakas
- Gray Institute for Radiation Oncology and Biology, Oxford University, Oxford, UK. Dr Madalena Tarsounas
- Department of Molecular Medicine and Biotechnology, Medical School of Rijeka, Rijeka, Croatia. Director Prof Sinisa Volarevic
- Department of Biochemistry. McGill University, Toronto, Canada, Prof. Maria Zannis-Hadjopoulos

8. Fundings

- Domestic

- "Breast carcinogenesis". Funded by the National Board of Health with 5.000.000 drachmas, 1996. Contractor: Gynecology Clinic, "Laiko" Hospital
- "Molecular Genetics: a. national registry for inheritable diseases in Greece, training of the medical and nursing staff, b. use of molecular biology techniques for the recognition of the responsible gene for the inheritable colon adenocarcinoma". Funded by the Special

Account for Research Grants (SARG) with 500.000 drachmas, 1997. Contractor: the Laboratory of Histology and Embryology, Medical School, National and Kapodistrian University of Athens

- "Carcinogenesis in the upper and lower respiratory system". Funded by the National Board of Health with 50.000 drachmas, 1996-1997. Contractor: the University Respiratory Clinic, "Sotiria" Hospital, Athens and the laboratory of Histology and Embryology, Medical School, National and Kapodistrian University of Athens
- "Cancer Biology: gene analysis and *in vivo* imaging of receptors - radiotherapy" Funded by the Framework Program Research and Technology (FPRT) II, Activity 1.2, GSRT, Project code: 97 EKBAN2-112, 1-9-1998 – 31-8-2001. Funded by the GSRT with 17.000.000 drachmas, Collaborator: Laboratory of Histology and Embryology, Medical School, National and Kapodistrian University of Athens
- "The role of mutant p53 in disturbing the negative feedback mechanism p53-MDM2 in lung cancer" Funded by GSRT with 5.000.000 drachmas, Activity 2.2, Call ΥΠΕΡ97, Project code 97ΥΠ218, July 1998 – March 2001. Contractor: Laboratory of Histology and Embryology, Medical School, National and Kapodistrian University of Athens
- "Carcinogenesis in the respiratory system. Defects in cell adhesion mechanisms" Funded by the GSRT, "Kapodistrias" program, project code 70/4/4591, 4.000 euros, 2003
- "Carcinogenesis in the respiratory system. Defects in the signaling pathways" Funded by the GSRT, "Kapodistrias" program, project code 70/4/4281, 4.000 euros, 2003
- "Study of the E2F family of transcriptional factors in the commonest malignancies" Funded with 100.000 Euros by the GSRT, "Pythagoras" program, project code: 20.2.04/10856, 2004
- "Sensitivity of cancer cells to chemotherapeutic drugs affecting the microtubule integrity: molecular mechanisms related to the expression of the oncosuppressive protein p53 and the oncogene c-mos" Funded by the GSRT with 30.000 Euros, "Heraklitos" program, project code 70/3/7211, 2005
- "Study of the effect of genotoxic agents on the survival of colon cancer cell lines, emphasis on the E2F1-dependent apoptosis" Funded by the GSRT with 100.000 Euros, "Pythagoras II" program, project code 70/3/7952 SARG, 2005-2006
- "Study of the changes in the genetic locus *KIP2/CDKN1C* and its expression in Non-Small Cell Lung Cancer" Funded by the GSRT with 100.000 Euros, "Pythagoras II" program, project code: 70/3/7953 SARG, 2005-2006

- "Study of the deregulation of DNA licensing factors, the activation of DNA Damage response and their relation with kinetic parameters and ploidy in Non-Small Cell Lung Cancer" Funded by GSRT with 138.480 Euros, "PENED 2003" program, project code 5325/10.05.2004
- "Gene therapy in Cystic Fibrosis: Expression of *CFTR* gene by human artificial chromosomes" Funded by GSRT with 78.000 Euros, "ENTER" program, project code SARG 70/3/8660, 2006-2007

- *International*

- "Improvement of Salmonella control in animal feeds based on the molecular and biochemical analysis of the product" funded by EC, FP4 through the CRAFT mechanism, with 500.000 drachmas, 1997
- "Improvement of Prevention Diagnosis and Treatment of sarcoidosis and Crohn's disease (SACROHN)". Funded by the EC, Framework Program 5, with 250.000 Euros, 2000-2002, SARG-NKUA project code 70/3/5394. Co-Investigator, Contractor: "Evgenidio" Hospital, Athens and Medical School, National and Kapodistrian University of Athens
- "Investigation of the E2F-1 induced p73-dependent apoptosis in colon cancer after DNA damage". Funded with 3509\$, by UICC, code ICRETT No998, March – July 2004
- "Genomic Instability in Cancer and Precancer (GENICA)" Funded by EC, FP7 with 360.000 Euros, project code 201630, 2008-2010
- "Inflammation and Cancer (INFLA-CARE)" Funded by EC, FP7, with 380.000 Euros, 2008-2010
- "INtegrating the emerging research Potential of the University of Athens Cancer Research Group in the European research area (INSPiRE)", Funded by EC, FP7, with 2.500.000 Euros, Project code 284460, 2011-2014

- *Private*

- Hollister Hellas S.A.: year 2011; total budget: 2.000€
- Novartis Hellas S.A.: years 2007 - 2009; total budget: 21.000€
- Roche Hellas S.A.: year: 2009; total budget: 20.000€
- GENESIS Pharma S.A.: year: 2008; total budget: 20.000€
- Pfizer Hellas S.A.: year 2008; total budget: 1.000€
- Wyeth Hellas S.A.: year 2006 - 2007; total budget: 5.000€

9. Current Research Interests

As Principal Investigator and Coordinator of the Molecular Carcinogenesis Group held in the Laboratory of Histology and Embryology, Medical School, University of Athens my main research interest is the study of the molecular mechanisms implicated in the carcinogenesis process. Specifically, my research focuses on the deregulation of signaling pathways and cell cycle checkpoints, as well as on the DNA Damage Response pathway in cancer. The implication of viral and bacterial induced inflammation in carcinogenesis consists also part of my research interests.

Apart from carcinogenesis that consists the main research object of the Molecular Carcinogenesis Group, my group also investigates the pathogenesis of Sarcoidosis, by studying the implication of several infectious agents as Mycobacteria and Propionobacteria in the beginning and development of the disease, as well as the possible genetic predisposition for the disease.

In parallel with the above, the Molecular Carcinogenesis Group investigates also the effect of antiarrhythmic drugs on the mechanisms of myocardial apoptosis.

The technical expertise developed as a result of the research activities of the Molecular Carcinogenesis Group made feasible the provision of diagnostic information in collaborative clinics. Specifically, apart from the Pathological diagnoses on surgically excised specimens and cytological material, our group provides diagnostic services related with the typing of HPV on cervical smears and biopsies and typing of Mycobacteria on biopsy specimens. Additionally, Prof Gorgoulis is the regional coordinator of the European Quality Assessment Scheme for testing KRAS mutations in colorectal cancer that was established by the European Society of Pathology (<http://kras.eqascheme.org/info/public/eqa/index.xhtml>).

10. Awards and Scholarships

1. *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
2. *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.

3. *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
4. *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
5. *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
6. *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
7. *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
8. *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
9. *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 25st Hellenic Medical Congress

10. *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".
11. *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
12. *April 2000*: "**Galinós**" 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
13. *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
14. *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
15. *April 2002*: "**Galinós**" 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
16. *May 2002*: The study "Overexpression of the p27^{KIP1} protein in advanced invasive breast cancer" was awarded from the Athens Medical Society in the 28st Hellenic Medical Congress
17. *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 bioptic material from cattle, sheep and birds" in the 9th Hellenic Veterinary Congress
18. *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

19. *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.
20. *October 2003*: Patent diploma was awarded for the "Molecular method for the typing of *Mycobacterium avium* subsp. *Paratuberculosis*" by the Organization of Industrial Property.
21. *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
22. *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
23. *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\$.
24. *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.
25. *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
26. *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.
27. *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

28. *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
29. *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
30. *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
31. *January 2007*: **2007 Award of Excellence** from the Association of Professors from the Medical School, University of Athens (EKIPA).
32. *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
33. *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,
34. *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
35. *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

11. Other distinctions

1. Lead Guest Editor in the: Journal of Biomedicine and Biotechnology
2. Among the most Highly Cited Greek Scientists:
<http://www.highlycitedgreekscientists.org/>

3. Member of the TES committee, which is responsible for quality assessment of all Greek Research Institutes
4. Member of various committees for directorship elections in Greek Research Institutes
5. Referee for international Institutes (eg University of Liverpool, UK)
6. Recognition of scientific work as of highly importance historically in the advance of research on cancer (Malumbres & Barbacid, Nature Reviews Cancer, 2009)
7. Patent on "Molecular method for detection of *Mycobacterium avium* subsp. *Paratuberculosis*", 2003
8. Accredited for *KRAS* mutations quality control from the European Society of Pathology, 2010-2012

12. Membership in Scientific Societies

Hellenic Society of Pathology

European Society of Pathology

International Union Against Cancer (UICC)

Hellenic Association for Molecular Cancer Research

13. Editorial experience

Member of the Editorial board of Peer-Reviewed Journals

Open Lung Cancer

Journal of Biomedicine and Biotechnology (guest editor)

Reviewer in Peer-Reviewed Scientific Journals

1. Nature Reviews in Cancer
2. EMBO Journal
3. Journal of Cell Biology
4. Trends in Genetics
5. Current Biology
6. Annals of Human Genetics
7. Cell Death & Differentiation
8. Current Biology
9. Cancer Research
10. Oncogene

11. Journal of Cellular and Molecular Medicine
12. Clinical Cancer Research
13. Journal of Pathology
14. Carcinogenesis
15. Cell Death & Disease
16. Journal of Molecular Medicine
17. Molecular Cancer Therapeutics
18. International Journal of Cancer
19. Plos ONE
20. Mutation Research
21. Mechanism of Aging and Development
22. Lung Cancer
23. BMC Molecular Biology
24. Gene
25. Cell Proliferation
26. Cancer Letters
27. Biochimie
28. Histopathology
29. Cellular Oncology
30. Journal of Clinical Immunology
31. Journal of Cancer Research and Clinical Oncology
32. BMC Cancer
33. BMC Gastroenterology
34. Histology – Histopathology
35. Tumor Biology
36. Cytokine
37. Cancer Investigation
38. Journal of Biomolecular Techniques
39. Scandinavian Journal of Rheumatology
40. Anti-Cancer Drugs
41. Oral Oncology
42. European Journal of Oral Sciences
43. IUBMB Life
44. Otolaryngology-Head and Neck Surgery
45. Molecular Biology Reports

46. The International Journal of Biochemistry & Cell Biology
47. Cellular&Molecular Biology Letters
48. Cancer Chemotherapy and Pharmacology
49. Journal of Biomedicine and Biotechnology
50. Molecular Oncology
51. Biotechnic and Histochemistry
52. Recent patents on DNA & Gene sequences

Reviewer in Peer-Reviewed Scientific Funding programs

a. Greek Funding programs

1. GSRT, program "Herakleitos"
2. Greek Ministry of Education
3. Karatheodori, University of Patras, Greece

b. International Funding programs

1. Austrian Science Fund
2. Portuguese Science and Technology Foundation
3. HRB eGrant Ver2.0, Health Research Awards 2011 - Patient Oriented Research Committee (HRA_POR/2011/39), UK
4. Cancer Research UK, Training & Career Development Board TCDB - Career Establishment Award
5. Academy of Sciences of the Czech Republic
6. "Tumour escape" from canceropole CLARA (Cancéropôle Lyon Auvergne Rhône-Alpes), France
7. Leukemia Research, UK
8. Dutch Cancer Society, Holland
9. Deutsches Krebsforschungszentrum (DKFZ), Germany
10. Ministry of Science and Technology (MOST), Israel
11. Israel Science Foundation
12. Agence Nationale De La Recherche (French National Research Agency), France
13. Portuguese Science and Technology Foundation, Research Projects: PTDC/BIA BCM/80809/2006 & PTDC/BIA-PRO/73129/2006.
14. HRB eGrant Ver2.0, Health Research Awards 2011 - Patient Oriented Research Committee (HRA_POR/2011/39)
15. Cancer Research UK, Training & Career Development Board TCDB - Career Establishment Award

16. "Tumour escape" from canceropole CLARA (Cancéropôle Lyon Auvergne Rhône-Alpes)
17. Czech Science Foundation (GA CR)
18. Leukemia Research, UK
19. French National Cancer Institute (INCa), appointed expert by the Evaluation Committee of the Call for Proposals (CFP)

14. Invited Lectures and Presentations

1. Lecture entitled "Molecular approach in the diagnosis and prognosis of solid tumours" in the 4th Hellenic Congress of Cytology, Athens, March 1998
2. Lecture entitled "Molecular Pathology: Expectations and Limitations" within the Conference with subject "Applications of Molecular Pathology in Clinics" under the aegis of the Hellenic Society of Pathology, Athens, November 1999. The abstract was included in the Archives of Pathology 1999, 1 (supp 7): 7-10
3. Lecture entitled "Cell Cycle" as a part of the round table with subject "Cell Cycle and Growth Factors" in the 7th Hellenic Congress of Pathology, Athens, April 2000. The abstract was included in the Archives of Pathology 2000; 14 (Supp 6):149-152
4. Lecture entitled "Molecular Biology – Cyto genetics in Health" under the Theme "LUNG" in the Congress of the Hellenic Society of Biologists, Athens, December 2000
5. Lecture entitled "The role of HPV in leukoplakias and squamous carcinomas of the mouth" within the Conference "Stomatologia 2001" under the aegis of the Attica Dentist association and the stomatology Department of the "A. Suggros" hospital, Athens, February 2001
6. Lecture entitled "The role of oncosuppressive genes in lung carcinogenesis" in the 8th Hellenic Congress of Pathology, University of Thessaly, Volos, April 2002. The lecture was included in the Archives of Pathology 2002; 16 (Supp 1): 131-133
7. Lecture entitled "Immunohistochemical markers, cytological techniques and molecular biology: relation with clinical practice" in the Conference of the Hellenic Society of Urology in the NIMTS auditorium, Athens, October 2002
8. Lecture entitled "p53-mediated induction of ICAM-1 adhesive molecule" in the "Investigator's Talk 2003" organized by the Laboratory of Pathophysiology, Medical School, University of Athens, May 2003.

- 9.** Lecture entitled "Signal transmission form p53/p21" in the "Investigator's Talk 2003" organized by the Laboratory of Pathophysiology, Medical School, University of Athens, May 2003.
- 10.** Lecture entitled "The role of the DNA damage response in cancer development" in 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, 5th – 8th September 2005
- 11.** Lecture entitled "The DNA Damage Response and its role in carcinogenesis" in the "Investigator's Talk 2005-2006" organized by the Laboratory of Pathophysiology, Medical School, University of Athens, December 2005
- 12.** Lecture entitled "The DNA Damage Response and its role in carcinogenesis" in the 2nd Hellenic Congress for Melanoma, Athens, 12th January
- 13.** Lecture entitled "New concepts of the oncogenesis and development of lung cancer" in the 5th International Congress on Lung Cancer, Patras, 24-27 January 2007
- 14.** Lecture entitled "The role of replication licensing factors Cdc6 and Cdt1 in carcinogenesis" in the EMBO Workshop 2007 "Molecular mechanisms of cell cycle control in normal and malignant cells", Spetses, 8 October 2007
- 15.** Lecture entitled "The role of replication licensing factors Cdc6 and Cdt1 in carcinogenesis" in the 59th Hellenic Congress of Biochemistry and Molecular Biology, Athens, 7 December 2007
- 16.** Lecture entitled "DNA Damage Response and its role in melanomagenesis" in the 3rd Hellenic Congress of Melanoma, Athens, 10-12 April
- 17.** Lecture entitled "The deregulation of DNA replication licensing factors in carcinogenesis" in the 11th Hellenic Congress of Pathology, University of Patras, Patras, 7-10 May 2008
- 18.** Lecture entitled "The role of the replication licensing factors hCdc6 and hCdt1 in carcinogenesis" as a part of the regular lectures program of the IEO-IFOM Institute, Milan, October 2008
- 19.** Lecture entitled "Epithelial to Mesenchymal transition" in the 3rd Educational Seminar "Molecular Oncology and Targeted Therapies for the Clinical Oncologist", Metsovo, 19-22 February 2009
- 20.** Lecture entitled "Oncogene induced senescence; the role of cytokines" in the 1st Inflammation & Cancer Summer School 2010, INFLA-CARE, Crete, 28-30 September 2010

21. Lecture entitled "ATM downregulates oncogene-induced ARF expression through a Protein Phosphatase 1-mediated pathway" in the EMBO funded Workshop "Chromosome Structure, Damage & Repair", Cape Sounio Hotel, 25-28 September 2011

15. Publications

A. Peer-reviewed journals listed in SCI

Number of publications: 174

Number of citations: > 6.100

h-index: 37

List of publication in international Peer-reviewed Journals

1. **GORGOU LIS V**, ANINOS D, PRIFTIS C, EVAGELOPOULOU C, KARAMERIS A, KANA VAROS P, SPANDIDOS DA. Expression of epidermal growth factor, transforming growth factor-alpha and epidermal growth factor receptor in thyroid tumors. **In Vivo** **1992; 6:291-296**.
2. KARAMERIS A, **GORGOU LIS V**, ILIOPOULOS A, FRANGIA C, KONTOMERKOS T, IOAKEIMIDIS D, KALOGEROPOULOS N, SFIKAKIS P, KANA VAROS P. Detection of the Epstein Barr viral genome by an in situ hybridization method in salivary gland biopsies from patients with secondary Sjogren's syndrome. **Clin Exp Rheumatol** **1992; 10:327-332**.
3. **GORGOU LIS V**, ANINOS D, MIKOU P, KANA VAROS P, KARAMERIS A, JOARDANOGLOU J, RASIDAKIS A, VESLEMES M, OZANNE B, SPANDIDOS DA. Expression of EGF, TGF-alpha and EGFR in squamous cell lung carcinomas. **Anticancer Res** **1992; 12:1183-1187**.
4. **GORGOU LIS V**, GIATROMANOLAKI A, KARAMERIS A, TSATSANIS C, ANINOS D, OZANNE B, VESLEMES M, JORDANOGLOU J, TRIGIDOU R, PAPASTAMATIOU H, ET AL. Epidermal growth factor receptor expression in squamous cell lung carcinomas: an immunohistochemical and gene analysis in formalin-fixed, paraffin-embedded material. **Virchows Arch** **1993; 423:295-302**.
5. KARAMERIS A, KANA VAROS P, ANINOS D, **GORGOU LIS V**, MIKOU G, ROKAS T, NIOTIS M, KALOGEROPOULOS N. Expression of epidermal growth factor (EGF) and

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 9. SPANDIDOS DA, ZOUMBOURLIS V, **GORGOU LIS V**, GOURTSOYIANNIS NC. P53 expression in human small intestinal tumors. **Oncol Rep 1994; 1:885-887.**
 10. **GORGOU LIS V**, TSATSANIS C, OZANNE B, SPANDIDOS DA. Detection of epidermal growth factor receptor and c-erb-2 gene amplification in transitional cell bladder carcinoma using the differential PCR technique. **Int J Oncol 1994; 4:1191-1197.**
GORGOU LIS V, ZOUMPOURLIS V, RASSIDAKIS G, KARAMERIS A, BARBATIS C, SPANDIDOS DA, KITTAS C. Molecular analysis of p53 gene in laryngeal premalignant and malignant lesions. p53 protein immunohistochemical expression is positively related to proliferating cell nuclear antigen labeling index. **Virchows Arch 1995; 426: 339-344.**
 11. GIANNOUDIS A, ERGAZAKI M, SEGAS J, GIOTAKIS J, ADAMOPOULOS G, **GORGOU LIS V**, SPANDIDOS DA. Detection of Epstein-Barr virus and human papillomavirus in nasopharyngeal carcinoma by the polymerase chain reaction technique. **Cancer Lett 1995; 89:177-181.**
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