



Prof. **ANASTASIOS E. GERMENIS**

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## **SHORT CURRICULUM VITAE**

as of Nov. 1st, 2010

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### **EDUCATION**

- 1976 MD, School of Medicine, University of Athens
- 1976 Educational Commission for Foreign Medical Graduates
- 1985 Medical specialty of Internal Medicine
- 1987 PhD, School of Medicine, University of Athens

### **DISTINGUISHED AWARDS**

- 1987 Silver Medal, Hellenic Red Cross
- 2004 Academy of Athens Award

### **POSITIONS**

- 2007 – School of Medicine, University of Thessaly  
*Professor and Chairman, Department of Immunology & Histocompatibility*
- 2001 – 2007 School of Medicine, University of Thessaly  
*Associate Professor, Department of Immunology & Histocompatibility*
- 1989 – 2001 Department of Immunology and National Tissue Typing Center  
General Hospital of Athens  
*Registrar, Senior Registrar, Vice Director*
- 1985 – 1989 Thalassemia Unit – Hellenic Red Cross  
*Registrar*
- 1981 – 1985 Department of Pathologic Physiology  
*Specialty Training*

### **POSTGRADUATE TRAINING**

- 1985-1988 Zentrallaboratorium, Blutspendedienst SRK, Bern, Schweiz (Prof. A. Hässig)
- 1994 Laboratory of Immunogenetics, Columbia Presbyterian Hospital, Columbia University (New York, USA, Prof. N. Suciú-Foca)
- 1995-1996 Institut d'Hématologie, Université Paris VII, Centre Hayem, Hôpital Saint Louis (Paris, France, Prof. D. Charron)
- 1985 16 hours Category 1 Credit of the Physicians Recognition Award of the American Medical Association
- 1988 European Course on Blood Transfusion. Council of Europe, Athens
- 1989 VIth Complement Genetics Workshop and Conference. Mainz
- 1991 XIV International Complement Workshop. Cambridge
- 1991 Complement in Disease Workshop. Cardiff

- 1992 British Council course: Quality assurance in clinical laboratories. Birmingham
- 1993 Flow Cytometry course. Royal Microscopical Society. Cambridge
- 1994 3rd Annual Bench Top Flow Cytometry Workshop. University of Newcastle upon Tyne
- 1994 Placental/Cord Blood Banking Seminar. The Lindsley F. Kimball Research Institute of the New York Blood Center
- 1995 EFI/BSHI Joint Meeting. European Federation for Immunogenetics, Brighton, UK
- 1995 International Workshop on Foetal and Neonatal Hematopoiesis & Mechanisms of Bone Marrow Failure, Association ARTM, Paris
- 1995 Second Tutorial on Histocompatibility. European School of Haematology, Paris
- 1996 XIIth International Histocompatibility Workshop and Conference, St. Malo-Paris, France

## **HIGHLIGHTED INVITED LECTURES**

1. *Cord blood lymphocytes combating immunosenescence*  
7th European Congress on Reproductive Immunology – Marathon, Greece 2009
2. *The para-inflammation of obesity*  
7th International Obesity Congress – Crete, Greece, 2009
3. *Cancer and immunosenescence*  
5th International Greek Biotechnology Forum, Athens, Greece, 2009
4. *Specific anti-tumor peptide T-cell responses: Considerations for effective immunotherapy*  
4th International Greek Biotechnology Forum, Athens, Greece, 2008
5. *Metabolism and immunity: Paying the price for survival*  
5th Corfu International Obesity Congress – Corfu, Greece, 2005
6. *Rediscovering innate immunity*  
Universita degli Studi di Pavia, IRCCS Policlinico San Matteo, Pavia, Italy, 2001
7. *TNF- $\alpha$  biology*  
TNF Day – First Meeting “TNF- $\alpha$ : An Advancement for Locoregional Treatment of Cancer” – Heraklion, Crete, Greece, 2001
8. *Innate immunity recognition and the reappraisal of antimicrobial defence*  
Educational Course of the Balkan Union of Oncology and the Balkan School of Oncology: “Diagnosis and treatment of infections in cancer patients”, Athens, Greece, 2000
9. *The impact factor: What is and what is not*  
XXVth Balkan Medical Week της Balkan Medical Union, Ioannina, Greece, 1998

## **ADMINISTRATIVE POSITIONS**

- Member of the Administrative Council of the Hellenic National Academic Recognition Information Center
- Scientific co-ordinator of the Postgraduate Program “Clinical Applications of Molecular Medicine”, School of Medicine, University of Thessaly
- Director of the Sector of Clinical Laboratories, School of Medicine, University of Thessaly
- Member of the University of Thessaly Quality Assurance Unit
- Vice President, Scientific Council, University Hospital of Larissa, Greece

- Vice President, The Athens Medical Society
- General Secretary, Hellenic Society of Immunology
- General Secretary, World Hellenic Biomedical Association
- Co-ordinator, Research Program «EPEAEK II: Heraclitus: Basic research scholarships», University of Thessaly
- Member of the Committee for the evaluation of medical journals, Hellenic Ministry of Health
- Representative of the School of Medicine in the Committee of International Relations of the University of Thessaly
- Consultant, Research Center of Biological Material, National Drug Organization
- Member of the Committee for Quality Assurance of Medical Laboratories, Hellenic Ministry of Health

### **INTERNATIONAL CONGRESS ORGANIZATION**

- International Symposium on "Primary Immunodeficiencies and Pediatric Immunology", Larissa 2009
- International Conference on Melanoma: "Melanoma in the Dawn of the New Millenium", Athens 2000
- 6th Congress of the World Hellenic Biomedical Diaspora, Athens 2000
- 5th World Congress of the Internet in Medicine - MEDNET2000, Brussels 2000
- 4th World Congress of the Internet in Medicine - MEDNET99, Heidelberg 1999
- 13th European Histocompatibility Conference, European Foundation for Immunogenetics, Aghia Pelaghia, Crete 1999
- XVII International Complement Workshop, Rhodes 1998
- 3rd World Congress of the Internet in Medicine - MEDNET98, London 1998
- 1st Balkan and Southeastern European Congress on Histocompatibility and Immunogenetics - Euroconference, Thessaloniki 1997

### **SCIENTIFIC MEMBERSHIPS**

1. European Society of Clinical Investigation
2. International Society of Haematology
3. European Federation for Immunogenetics
4. Royal Microscopical Society
5. International Society for Analytical Cytology
6. The British Computer Society - London Medical Specialist Group
7. World Hellenic Biomedical Association
8. Balkan Medical Union

### **GRANTS (Scientific co-ordinator)**

- 2009 Shire donation
- 2008 Amgen Hellas donation

- 2006 EU – Marie Curie International Reintegration Grant 046459-IMMUNOEPIGENETICS
- 2006 ΕΠΑΝ – Hellenic General Secretariat of Research and Technology. Grant# 05-NON-EU 445
- 2006 ΕΝΤΕΡ2004 – Hellenic General Secretariat of Research and Technology. Grant# 04EP 9
- 2005 Pfizer Hellas, Grant in Aid
- 2005 Project Grant, PYTHAGORAS, ΕΡΑΕΚ II, Hellenic Ministry of Education
- 2005 EU – Marie Curie Incoming International Fellowship 021975-IRTALUNG
- 1996 Schering-Plough International Clinical Study Protocol H91-270-50 – Phase II Randomized Study to Evaluate the Safety and Efficacy of Combination Therapy with AZT and Intron A Versus AZT Alone in Patients with Asymptomatic to Mildly Symptomatic HIV Infection who are p24 Positive.
- 1995 Hellenic Ministry of Health – Research Grant E/156/95 “Standardization of cryopreservation conditions for cord blood banking”

### **MEDICAL EDUCATION ACTIVITY**

Beyond teaching Immunology in graduate and postgraduate students, as member of the Advisory Council of the Athens Medical Society I had very strong activity in the development of Continuous Medical Education in Greece. In this context, I had established the first educational medical portal in Greece, named MedNet Hellas, at 1995, and I had developed IATROTEK on-line: The Hellenic medical literature retrieval system. In parallel, I had given lot of relevant lectures and I had published a book entitled “*From Gutenberg to the Internet*” as well as a series of theoretical and research articles:

1. SKALKIDIS E, GERMENIS AE, PATSOPOULOS N, TRICHOPOULOS D. The impact of Greek publications on the international literature by scientific category. *Archives of Hellenic Medicine* 2004, 21: 472-479
2. SKALKIDIS E, GERMENIS AE, PATSOPOULOS N, TRICHOPOULOS D. The impact factor of scientific journals by broad category. *Archives of Hellenic Medicine* 2003, 20:88-122
3. GERMENIS AE, KOKKINIDES PA, STAVROPOULOS-GIOKAS C. Non-indexed medical journals in the Web: New perspectives in the medical literature. *International Journal of Medical Informatics* 1997, 47:65-68
4. KOKKINIDES PA, KOLOKITHAS S, GERMENIS AE. IATROTEK on-line: The Hellenic medical literature retrieval system. *Journal of Medical Internet Research* 1999, 1(Suppl. 1): XCCXIII-XCCXIV
5. GERMENIS AE. Beyond the Ingelfinger rule: the intellectual property ethics after the end of biomedical journals' monopoly. *Medical Informatics and the Internet in Medicine* 1999, 24:165-170
6. GERMENIS AE. The impact factor: What is and what is not. *Archives of Hellenic Medicine* 15 (Suppl. A): A68-A69, 1998

### **BOOKS IN GREEK**

I have published 4 scientific books in Greek, including a *Textbook of Medical Immunology*, whilst I have contributed with chapters in 5 Greek books of other editors.

## Contributions in international books

1. Juvenile chronic arthritis (JCA): 12th International Histocompatibility Workshop study  
PRIEUR AM, STAVROPOULOS-GIOKAS C, **GERMENIS AE**, SPYROPOULOU M, PRATSIDOU P, KANAKOUDI F and the Participating Pediatric Rheumatologists and Tissue Typing Laboratories  
*HLA - Genetic diversity of HLA - Functional and Medical Implication*. Charron D (ed), EDK, Paris 1997:398-407
2. Experience of iron chelation therapy in the Hellenic Red Cross Thalassemia Unit  
POLITIS C, GEORGIOPOULOU P, VRETTOU H, KARAMEROU A, ECONOMIDOU I, **GERMENIS A**, DIMITRIOU P  
*Thalassemia Today. The Mediterranean Experience*. Sirchia G, Zanella A (eds), Milano 1987:157-162

## EDITOR-IN-CHIEF

1995-2007 *Archives of Hellenic Medicine*, the official journal of the Athens Medical Society

## REVIEWER

- Esthonian Science Foundation
- National Strategic Reference Framework (NSRF)
- International Archives of Allergy and Immunology
- Cancer Immunology and Immunotherapy
- Acta Pharmacologica Sinica
- Human Immunology
- Immunological Investigations
- Rheumatology
- Haema
- Archives of Hellenic Medicine

## PUBLICATIONS

I have published over 70 primary research papers and reviews in peer-reviewed international journals and international books (>500 citations, h-index=12), and over 50 in Greek journals.

## International publications of the last decade

1. SPELETAS M, ARGENTOU N, KARANIKAS V, GRAMOUSTIANOU ES, MANDALA E, BRAIMI M, MATSOUKA P, RITIS K, GERMENIS AE. Survivin isoform expression patterns in CML patients correlate with resistance to imatinib and progression, but do not trigger cytolytic responses. *Clinical Immunology* (submitted)
2. LIADAKI K, PETINAKI E, SKOULAKIS C, TSIREVELOU P, KLAPSA D, GERMENIS AE, SPELETAS M. TLR4, but not TLR2, polymorphisms modify the risk of tonsillar disease due to *Streptococcus pyogenes* and *Haemophilus influenzae*. *Clinical and Vaccine Immunology* (submitted)
3. KARANIKAS V, GERMENIS AE. Pre-existing anti-tumor specific T-cell responses: Determinants of immunotherapy success? *Expert Review of Vaccines* 2010 (invited editorial, in press)
4. OIKONOMOU KA, KAPSORITAKIS AN, KAPSORITAKI AI, MANOLAKIS AC, TSIPOULOS FD, GERMENIS AE, POTAMIANOS SP. Downregulation of serum epidermal growth factor in patients with inflammatory bowel disease. Is there a link with mucosal damage? *Growth Factors* 2010 (in press)

5. KARANIKAS V, ZAMANAKOU M, SOUKOU F, KERENIDI T, TSOUGOS I, THEODOROU K, GEORGOULIAS P, GOURGOULIANIS KI, GERMENIS AE. Cytolytic T-cell response against Epstein-Barr virus in lung cancer patients and healthy subjects. *Journal of Experimental and Clinical Cancer Research* 2010, 29:64
6. KARANIKAS V, ZAMANAKOU M, SOUKOU F, KERENIDI T, GOURGOULIANIS KI, GERMENIS AE. Naturally occurring tumor-specific CD8<sup>+</sup> T-cell precursors in individuals with and without cancer. *Immunology & Cell Biology* 2010, 88:575-585
7. GERMENIS AE, KARANIKAS V. Cord blood lymphocytes combating immunosenescence of anti-tumor lymphocytes. *Journal of Reproductive Immunology* 2010, 85:47-50
8. KARANIKAS V, GERMENIS AE. Tumor specific CD8<sup>+</sup> T cells in patients with lung cancer and healthy individuals. *Journal of BUON* 2009, 14(Suppl 1):S153-S157 (seminar article)
9. KARANIKAS V, KHALIL S, KERENIDI T, GOURGOULIANIS KI, GERMENIS AE. Anti-survivin antibody responses in lung cancer. *Cancer Letters* 2009, 282:159-166
10. KARANIKAS V, SOUKOU F, KALALA F, KERENIDI T, GRAMMOUSTIANOU ES, GOURGOULIANIS KI, GERMENIS AE. Baseline levels of CD8<sup>+</sup> T cells against survivin and survivin-2B in the blood of lung cancer patients and cancer-free individuals. *Clinical Immunology* 2008, 129:230-240
11. KARANIKAS V, SPELETAS M, ZAMANAKOU M, KALALA F, LOULES G, KERENIDI T, GOURGOULIANIS KI, GERMENIS AE. Foxp3 expression in human cancer cells. *Journal of Translational Medicine* 2008, 6:19
12. KARANIKAS V, TSOHAS S, BOUKAS K, KERENIDI T, NAKOU M, DAHABREH J, POULARAKIS T, GOURGOULIANIS KI, GERMENIS AE. Co-expression patterns of tumor-associated antigen genes by non-small cell lung carcinomas: Implications for immunotherapy. *Cancer Biology & Therapy* 2008, 7:345-352
13. KARANIKAS V, ZAMANAKOU M, KERENIDI T, DAHABREH J, HEVAS A, NAKOU M, GOURGOULIANIS KI, GERMENIS AE. Indoleamine 2,3-dioxygenase (IDO) expression in lung cancer. *Cancer Biology & Therapy* 2007, 6:1258-1262
14. ZAMANAKOU M, GERMENIS A, KARANIKAS V. Tumour immune escape mediated by indoleamine 2,3-dioxygenase. *Immunology Letters* 2007, 111:69-75 (review)
15. SPELETAS M, LIADAKI K, KALALA F, DAIYOU C, KATODRITOU E, MANDALA E, KORANTZIS I, RITIS K, ZINTZARAS E, GERMENIS AE. TLR4 single nucleotide polymorphisms and thrombosis risk in patients with myeloproliferative disorders. *Thrombosis Research* 2008, 122:27-32
16. GERMENIS AE, KARANIKAS V. Immunoepigenetics: The unseen side of cancer immunoediting. *Immunology & Cell Biology* 2007, 85:55-59 (theoretical article)
17. PETRIDOU ET, CHAVELAS C, DIKALIOTI SK, DESSYPRIS N, TERZIDIS A, NIKOULIS DI, MARKOPOULOS C, PAPADIAMANTIS Y, GERMENIS AE. Breast cancer risk in relation to most prevalent IgE specific antibodies: a case control study in Greece. *Anticancer Research* 2007, 27(3B):1709-1713
18. SPELETAS M, BOUKAS K, PAPADOPOULOU-ALATAKI E, TSITSAMI E, GERMENIS AE. Hereditary angioedema in Greek families caused by novel and recurrent mutations. *Human Immunology* 2009, 70:925-929
19. SPELETAS M, KIOUMI A, LOULES G, KATODRITOU E, TSITOURIDIS J, HYTIROGLOU P, CHRISTAKIS J, GERMENIS AE. Analysis of SLC40A1 (ferroportin 1) gene at mRNA level reveals rapidly the causative mutations in patients with hemochromatosis type IV. *Blood Cells, Molecules and Diseases* 2008, 40:353-359
20. SPELETAS M, MERENTITI V, KOSTIKAS K, LIADAKI K, MINAS M, GOURGOULIANIS K, GERMENIS AE. Increased risk for COPD development in smokers with TLR4-T399I polymorphism. *Journal of Developmental Immunology* 2009;2009:260286

21. KOUTSOKERA A, KIROPOULOS TS, NIKOULIS DJ, DANIL ZD, TSOLAKI V, TANOU K, PAPAIOANNOU AI, GERMENIS A, GOURGOULIANIS KI, KOSTIKAS K. Clinical, functional and biochemical changes during recovery from COPD exacerbations. *Respiratory Medicine* 2009, 103:919-926
22. KIROPOULOS TS, KOSTIKAS K, OIKONOMIDI S, TSILIONI I, NIKOULIS D, GERMENIS A, GOURGOULIANIS KI. Acute phase markers for the differentiation of infectious and malignant pleural effusions. *Respiratory Medicine* 2007, 101:910-918
23. METSIOS GS, FLOURIS AD, JAMURTAS TZ, CARRILLO AE, KOURETAS D, GERMENIS AE, GOURGOULIANIS K, KIROPOULOS T, TZATZARAKIS MN, TSATSAKIS AM, KOUTEDAKIS Y. A brief exposure to moderate passive smoke increases metabolism and thyroid hormone secretion. *Journal of Clinical Endocrinology and Metabolism* 2007, 92:208-211
24. TSOUTSOU PG, GOURGOULIANIS KI, PETINAKI E, GERMENIS A, TSOUTSOU AG, MPAKA M, EFREMIDOU S, MOLYVDAS P-A. Cytokine levels in the sera of patients with idiopathic pulmonary fibrosis. *Pulmonary Medicine* 2006, 100:938-945
25. KADITIS AG, ALEXOPOULOS, EI, KALAMPOUKA E, KOSTADIMA E, ANGELOPOULOS N, GERMENIS A, ZINTZARAS E, GOURGOULIANIS K. Morning levels of fibrinogen in children with sleep-disordered breathing. *European Respiratory Journal* 2004, 24:790-797
26. KADITIS AG, ALEXOPOULOS, EI, KALAMPOUKA E, KOSTADIMA E, GERMENIS AE, ZINTZARAS E, GOURGOULIANIS K. Morning levels of C-reactive protein in children with obstructive sleep-disordered breathing. *American Journal of Respiratory and Critical Care Medicine* 2005, 171:282-286
27. SPELETAS M, KALALA F, PAPADOPOULOS VP, MERENTITI V, MITROULIS I, RITIS K, GERMENIS AE. TLR2 and TLR4 polymorphisms in familial Mediterranean fever. *Human Immunology* 2009, 70:750-753
28. ZOGRAFOS TA, LIASKOS C, RIGOPOULOU EI, TOGOUSIDIS E, MAKARITSIS K, GERMENIS A, DALEKOS GN. Adiponectin: a new independent predictor of liver steatosis and response to IFN- $\alpha$  treatment in chronic hepatitis C? *American Journal of Gastroenterology* 2007, 102:1-10
29. ZOGRAFOS TA, LIASKOS C, TOGOUSIDIS E, ZACHOU K, GATSELIS N, RIGOPOULOU E, GERMENIS AE, DALEKOS GN. Alterations of leptin levels during IFN- $\alpha$  treatment in patients with chronic viral hepatitis B and C. *Journal of Hepatology* 2006, 44:848-855
30. STEFANOY N, SATRA M, PAPANIKOLAOU V, KALALA F, GATSELIS N, GERMENIS AE, DALEKOS GN, TSEZOU A. Leptin receptor isoforms mRNA expression in peripheral blood mononuclear cells from patients with chronic viral hepatitis. *Experimental Biology and Medicine* 2006, 231:1653-1663
31. MASTELLOS D, GERMENIS AE, LAMBRIS JD. Complement: An inflammatory pathway fulfilling multiple roles at the interface of innate immunity and development. *Current Drug Targets - Inflammation and Allergy* 2005, 4:125-127 (invited review)
32. ALEXIOU I, GERMENIS A, KOUTROUMPAS A, KONTOGIANNI A, THEODORIDOU K, SAKKAS LI. Anti-cyclic citrullinated peptide-2 (CCP2) autoantibodies and extra articular manifestations in Greek patients with rheumatoid arthritis. *Clinical Rheumatology* 2008, 27:511-513
33. SAKKAS LI, BOULBOU M, KYRIAKOU D, MAKRI I, SINANI C, GERMENIS A, STATHAKIS N. Immunological features of visceral leishmaniasis may mimic systemic lupus erythematosus. *Clinical Biochemistry* 2008, 41:65-68
34. ROKA V, POTAMIANOS S, KAPSORITAKIS AN, YIANNAKI EE, KOUKOULIS GN, KOUKOULIS GK, GERMENIS AE. Prevalence of celiac disease in adult population of Central Greece. *European Journal of Gastroenterology and Hepatology* 2007, 19:982-987
35. ALEXIOU I, GERMENIS A, ZIOGAS A, THEODORIDOU K, SAKKAS L. Anti-cyclic citrullinated peptide (anti-CCP) antibodies in Greek patients with rheumatoid arthritis. *BMC Musculoskeletal Disorders* 2007, 8:37

36. ZINTZARAS E, GERMENIS AE. Diagnostic performance of antibodies against tissue transglutaminase for the diagnosis of celiac disease: meta-analysis. *Clinical and Vaccine Immunology* 2006, 13:187-192
37. GERMENIS AE, YIANNAKI EE, ZACHOU K, ROKA V, BARBANIS S, LIASKOS C, ADAM K, KAPSORITAKIS AN, POTAMIANOS S, DALEKOS GN. Prevalence and clinical significance of IgA antibodies against tissue transglutaminase in patients with diverse chronic liver diseases. *Clinical and Diagnostic Laboratory Immunology* 2005, 12:941-948
38. YIANNAKI EE, ZINTZARAS E, ANALATOS A, THEODORIDOU C, DALEKOS GN, GERMENIS AE. Evaluation of a microsphere-based flow cytometric assay for celiac disease diagnosis. *Journal of Immunoassay and Immunochemistry* 2004, 25:345-357
39. THRISKOS P, ZINTZARAS E, GERMENIS AE. DHLAS: A web-based database analysis system to support HLA population studies. *Computer Methods and Programs in Biomedicine* 2007, 85:267-272
40. DAIYOU C, CHRISTODOULOU K, XIROMERISIOU G, PANAS M, DARDIOTIS E, KLADI A, SPELETAS M, NTAIOS G, PAPANIMITRIOU A, GERMENIS A, HADJIGEORGIOU GM. Absence of aprataxin gene mutations in a Greek cohort with sporadic early onset ataxia and normal GAA triplets in frataxin gene. *Neurological Sciences* 2010, 31:393-397
41. BOULBOU MS, KOUKOULIS G, MAKRI E, PETINAKI E, GOURGOULIANIS K, GERMENIS A. Circulating adhesion molecules levels in type 2 diabetes mellitus and hypertension. *International Journal of Cardiology* 2005, 98:39-44
42. BOULBOU MS, KOUKOULIS GN, PETINAKI EA, GERMENIS A, GOURGOULIANIS K. Soluble adhesion molecules are not involved in the development of retinopathy in type 2 diabetic patients. *Acta Diabetologica* 2004, 41:118-122