

<b>General Information</b>	
Name	Konstantinos Ritis
Rank/Title	Associate Professor
Topic/Specialty	Internal Medicine
Department	1 <sup>st</sup> Division of Internal Medicine
Office	University Hospital of Alexandroupolis, office 69.17 or Lab 30.05
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Research Interests	Immunolgy (Inflammation, Auto-Inflammatory diseases), Hematology.
Teaching	<p><u>Graduate level.</u> Tutor in the training program of 3<sup>d</sup>, 4<sup>th</sup> and 6<sup>th</sup> year medical students of the medical department of D.U.TH., both as a lecturer of internal medicine and as a supervisor in the clinic. During daily clinical activities, trainer of resident internists as well as sixth year medical students in internal medicine and hematology</p> <p><u>Post-graduate level.</u> Immunology (Inflammation, Auto-Inflammatory diseases, Thrombosis related to Inflammation)</p>
<b>Detailed Biographical Information</b>	
Education	<p><b>1981:</b> B.Sc. in Medicine, Aristotelian University of Thessaloniki, Greece.</p> <p><b>1988:</b> Specificity in Internal Medicine</p> <p><b>1990:</b> Ph.D in Immunology, Democritus University of Thrace.</p> <p><b>1997:</b> Specificity in Haematology</p> <p><b>1992, 1996, 1998:</b> Training in Molecular Immunology Laboratory, Umeå University, Sweden.</p> <p><b>2004:</b> Visitor researcher in Developmental Biology Laboratory (siRNA technology), Stockholm University, Sweden.</p>
Scientific Experience	<p>Clinical level: Internal Medicine, Hematology</p> <p>Laboratory level: Molecular Biology and Immunology, Hematology.</p>
Research Work	<ol style="list-style-type: none"> <li>1. Genetic analysis of XLA Agammaglobulinaemia (Bruton's Disease) and Familial Mediterranean Fever. Genotype-Phenotype correlation.</li> <li>2. Development and application of Molecular Biology Protocols regarding the detection of M. Tuberculosis complex in clinical samples.</li> <li>3. Technical support to other diagnostic laboratories, which consists of by offering, modifying and revising molecular biology protocols applied in human diseases.</li> <li>4. Link between inflammation and thrombosis in clinical conditions such as, Antiphospholipid syndrome, Biomaterials, Myeloproliferative diseases.</li> <li>5. Experimental investigation of inflammatory mediators, (neutrophils, complement anaphylatoxins, cytokines) linked in thrombosis and fibrosis pathways.</li> </ol>

	6. Innate immunity (autophagy/netosis)
<i>Selected Publications</i>	1: Kambas K, Chrysanthopoulou A, Kourtzelis I, Skordala M, Mitroulis I, Rafail S, Vradelis S, Sigalas I, Wu YQ, Speletas M, Kolios G, Ritis K. Endothelin-1 Signaling Promotes Fibrosis In Vitro in a Bronchopulmonary Dysplasia Model by Activating the Extrinsic Coagulation Cascade. J Immunol. 2011 Apr 29. [Epub ahead of print] PubMed PMID: 21531894.
<i>Publications in (PubMed): 44</i>	
<i>Total Impact Factor: 180,811</i>	2: Mitroulis I, Skendros P, Oikonomou A, Tzioufas AG, Ritis K. The efficacy of canakinumab in the treatment of a patient with familial Mediterranean fever and longstanding destructive arthritis. Ann Rheum Dis. 2011 Feb 22. [Epub ahead of print] PubMed PMID: 21345814.
<i>Impact Factor (mean): 4,0</i>	
<i>Citations: 490-500 (Googlescholar)</i>	3: Kourtzelis I, Markiewski MM, Doumas M, Rafail S, Kambas K, Mitroulis I, Panagoutsos S, Passadakis P, Vargemezis V, Magotti P, Qu H, Molnes TE, Ritis K, Lambris JD. Complement anaphylatoxin C5a contributes to hemodialysis-associated thrombosis. Blood. 2010 Jul 29;116(4):631-9. Epub 2010 Apr 27. PubMed PMID: 20424189.
<i>h-index: 13 (Googlescholar)</i>	4: Mitroulis I, Kourtzelis I, Kambas K, Rafail S, Chrysanthopoulou A, Speletas M, Ritis K. Regulation of the autophagic machinery in human neutrophils. Eur J Immunol. 2010 May;40(5):1461-72. PubMed PMID: 20162553.
	5: Kambas K, Markiewski MM, Pneumatikos IA, Rafail SS, Theodorou V, Konstantonis D, Kourtzelis I, Doumas MN, Magotti P, Deangelis RA, Lambris JD, Ritis KD. C5a and TNF-alpha up-regulate the expression of tissue factor in intra-alveolar neutrophils of patients with the acute respiratory distress syndrome. J Immunol. 2008 Jun 1;180(11):7368-75. PubMed PMID: 18490736; PubMed Central PMCID: PMC2673518.
	6: Rafail S, Ritis K, Schaefer K, Kourtzelis I, Speletas M, Doumas M, Giaglis S, Kambas K, Konstantinides S, Kartalis G. Leptin induces the expression of functional tissue factor in human neutrophils and peripheral blood mononuclear cells through JAK2-dependent mechanisms and TNFalpha involvement. Thromb Res. 2008;122(3): 366-75. Epub 2008 Mar 4. PubMed PMID: 18308368.
	7: Ritis K, Doumas M, Mastellos D, Micheli A, Giaglis S, Magotti P, Rafail S, Kartalis G, Sideras P, Lambris JD. A novel C5a receptor-tissue factor cross-talk in neutrophils links innate immunity to coagulation pathways. J Immunol. 2006 Oct 1;177(7):4794-802. PubMed PMID: 16982920.
	8: Ritis K, Speletas M, Tsironidou V, Pardali E, Kanariou M, Moschese V, Orlandi P, Skordala M, Rossi P, Kartalis G, Bourikas G, Sideras P. Absence of Bruton's tyrosine kinase (Btk) mutations in patients with acute myeloid leukaemia. Br J Haematol. 1998 Sep;102(5):1241-8. PubMed PMID: 9753052.
	9: Giaglis S, Papadopoulos V, Kambas K, Doumas M, Tsironidou V, Rafail S, Kartalis G, Speletas M, Ritis K. MEFV alterations and population genetics analysis in a large cohort of Greek patients with familial Mediterranean fever. Clin Genet. 2007 May;71(5):458-67. PubMed PMID: 17489852.
	10: Tzoanopoulos D, Speletas M, Arvanitidis K, Veiopoulou C, Kyriaki S, Thyphronitis G, Sideras P, Kartalis G, Ritis K. Low expression of interferon regulatory factor-1 and identification of novel exons skipping in patients with chronic myeloid leukaemia. Br J Haematol. 2002 Oct;119(1):46-53. PubMed PMID: 12358902.
	11: Ritis K, Tzoanopoulos D, Speletas M, Papadopoulos E, Arvanitidis K, Kartali S, Sideras P. Amplification of IS6110 sequence for detection of Mycobacterium tuberculosis complex in HIV-negative patients with fever of unknown origin (FUO) and evidence of extra-pulmonary disease. J Intern Med. 2000 Nov;248(5):415-24. PubMed PMID: 11123506.

Clinical Work	<p>1. Diagnostic investigation and treatment of admitted patients in the 1<sup>st</sup> Division of Internal Medicine</p> <p>2. Follow up of patients (every Monday) suffering from Hematological disorders and Auto-immune diseases.</p>
R&D Projects	<p><b>Main projects</b></p> <p><b>1. 1995 –1997:</b> The role of Bruton’s Tyrosine Kinase (Btk) in the development of leukemic cell. General Secretariat of Research and Technology, PENED’95 1550. <i>34.000 Euros</i></p> <p><b>2. 1996 – 1998:</b> Application of telomeric repeats as an early index of leukemic relapse and estimation of minimal residual disease. Democritus University of Thrace, KE 404. <i>15.000 Euros</i></p> <p><b>3. 1999 –2001:</b> X-Linked Agammaglobulinemia: Genetic diagnosis and development of cell model for in vitro retroviral gene transfer. General Secretariat of Research and Technology, Career program 54. <i>115.000 Euros</i></p> <p><b>4. 2000 – 2004:</b> Study of Interferon Regulated Transcription factors in Chronic Myeloid Leukemia. General Secretariat of Research and Technology, PENED99, 631 and PENED 2001. <i>105.000 Euros</i></p> <p><b>5. 2001 - 2003:</b> Molecular isolation of M. Tuberculosis complex in extrapulmonary tuberculosis. General Secretariat of Research and Technology, PAVET2000, in collaboration with “ANADRASI”. <i>160.000 Euros</i></p> <p><b>6. 2003 - 2006:</b> Networks of research and education: Molecular medicine and immunology- from basic research to clinical application. General Secretariat of Research and Technology, program 8.3-action 8.3.6. <i>23.000 Euros</i></p> <p><b>7. 2010 - 2013:</b> Investigation of novel inflammatory mechanisms in chronic autoinflammatory and autoimmune disorders such as FMF and other periodic fever syndromes, gout, rheumatoid arthritis, adult onset Still's disease and Crohn's disease. Hellenic Ministry of Education and General Secretariat for Research and Technology (ESPA, 17 “synergasia” project, No 898). <i>250.000 Euros</i></p>
Miscellaneous	<p><b>Date and place of birth:</b> 1957, 4<sup>th</sup> of December, Heraclia, Serres, Greece.</p> <p><b>Nationality:</b> Greek.</p> <p><b>Citizenship:</b> Greek</p> <p><b>Marital status:</b> Married, two children</p> <p><b>Home address:</b> Alexandroupolis, Alamanas 52, 68100, Greece</p>