



CURRICULUM VITAE

Panagiotis Skendros, MD, PhD

Associate Professor of Internal Medicine

November 2019

I. PERSONAL DATA

First Name: Panagiotis
Last Name: Skendros
Year and place of birth: 1971, Larissa, Greece
Gender: Male
Family status: Married, two children
Professional address: First Department of Internal Medicine,
University Hospital of Alexandroupolis,
Democritus University of Thrace (DUTH), Greece
Contact details: Tel.: +30 2551351090, Mobile: +306974324961
e-mail: pskendro@med.duth.gr
web: <http://inflathrace.gr/labs/en/team/panagiotis-skendros/>

II. DIPLOMAS

3/2006 Ph.D. in Medicine (Grade: Excellent),
Aristotle University of Thessaloniki, Greece
3/2004 Board Examinations in Internal Medicine Specialty,
Passed with honours
7/1995 B.Sc. in Medicine (Grade: 8/10),
Medical School, Aristotle University of Thessaloniki, Greece

III. APPOINTMENTS

5/2019 – today Associate Professor of Internal Medicine, First Department of Internal
Medicine, University Hospital of Alexandroupolis, Democritus
University of Thrace, Greece
2/2014 – 5/2019 Assistant Professor of Internal Medicine, First Department of Internal
Medicine, University Hospital of Alexandroupolis, Democritus
University of Thrace, Greece
9/2009 – 2/2014 Lecturer of Internal Medicine, First Department of Internal Medicine,
University Hospital of Alexandroupolis, Democritus University of
Thrace, Greece
9/2009 – today Member of the Inflammation Research Group (www.inflathrace.gr)
at the Laboratory of Molecular Hematology (Director Prof.
Konstantinos Ritis), Democritus University of Thrace, Greece
2013 INSERM/UPMC UMRS 945, Lab. Immunog n tique, Groupe
Hospitalier Piti -Salp tri re, Paris, France

	Training and research in immunogenetics and epigenetics of chronic inflammatory disease. Collaborative research project on Familial Mediterranean Fever
2004 – 2009	Clinical and Research Fellow, Clinical Immunology Unit, Second Department of Internal Medicine, Hippokraton Hospital of Thessaloniki, Aristotle University of Thessaloniki, Greece Ph.D. thesis: “ <i>Immune response and costimulation in brucellosis</i> ”.
2001 – 2004	Resident in Internal Medicine, Second Department of Internal Medicine, Hippokraton Hospital of Thessaloniki, Aristotle University of Thessaloniki, Greece
2000	Laboratoire Central d’ Immunologie Cellulaire et Tissulaire, CERVI, Groupe Hospitalier Pitié-Salpêtrière, Paris, France. <i>Scholarship from the Hellenic Society of Immunology.</i> Training and research in immunogenetics of infectious diseases. Collaborative research project on human brucellosis
1998 - 2001	Resident in Internal Medicine, Hospital for Infectious Diseases, Thessaloniki, Greece
1997 - 1998	Obligatory country service
1995 - 1997	Army service

IV. RESEARCH ACTIVITY/PUBLICATIONS

-Research interests

Innate immune mechanisms in inflammatory diseases and infections.

Autoinflammatory syndromes; Familial Mediterranean Fever and IBD; Brucellosis

- Bibliographic Indices

- Publications(PubMed): 44
- Impact Factor (total): 234
- Impact Factor (mean): 5.4
- Citations: >1500
- h-index: 19

- Funded research projects, multicenter studies

-CYTONET. Development and prototyping of an innovative method for rapid differential diagnosis and rational selection of personalized treatment in inflammatory diseases based on disease-specific expression of cytokines during NETosis of peripheral blood neutrophils. EYDE-ETAK Research & Innovation Programme. 2019-2022. Coordinator of the consortium: P. Skendros ~530,000€ for DUTH partner.
<http://www.cytonet.gr/>

-BRIDGING. Novel targets for diagnostic stratification and epidemiologic surveillance of human brucellosis: host-guided molecular study in an endemic area at the crossroad between Asia and Europe. BMBF/GSRT German-Greek Bilateral Research & Innovation Programme 2018-2021: Coordinator of the consortium & PI for the Greek partners: P. Skendros ~350,000€ for the Greek site.
<http://www.bridgingproject.eu/>

-ENTYVIO (vedolizumab) long-term safety study: An international observational prospective cohort study comparing vedolizumab to other biologic agents in patients with Ulcerative Colitis or Crohn’s Disease. Takeda. 2016-2021. PI: G. Kouklakis, Sub-Investigator P. Skendros

-SKIPPAIN. A 24-week, randomized, double-blind, placebo-controlled, multicenter study to evaluate the efficacy and safety of secukinumab in controlling spinal pain in patients with axial spondyloarthritis». Novartis. 2018-2019, PI: P. Skendros

-REVOLVE. A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to investigate the efficacy and safety of Mongersen (GED-0301) for the treatment of Subjects with Active Crohn's Disease. Celgene Corporation. 2016-2018. PI: G. Kouklakis, Sub-Investigator P. Skendros

-SUSTAIN. A Phase 3, Long-term Active Treatment Extension Study of Mongersen (GED-0301) in subjects with Crohn's disease. Celgene Corporation. 2017-2019. PI: G. Kouklakis, Sub-Investigator P. Skendros

-SPINE. Ankylosing spondylitis and Psoriatic arthritis in Greece - current epidemiology and treatment. Novartis. 2016-2017. PI: K. Ritis, Sub-Investigator P. Skendros

-ILIAD. Epidemiological features of InterLeukin-1-mediated Inflammatory diseases and their response to current Drug treatment in Greece. Novartis. 2013-2014. PI: K. Ritis, Sub-Investigator P. Skendros

-EURIKA. «European Study on Cardiovascular Risk Prevention and Management in Daily Practice», AstraZeneca & Cegedim Strategic Data (CSD), 2009. Sub-Investigator: P. Skendros

- Medline-indexed publications ([PubMed Link](#))

1. **Skendros P**, Papagoras C, Mitroulis I, Ritis K. Autoinflammation: Lessons from the study of familial Mediterranean fever. *J Autoimmun.* 2019 Jul 20:102305.
2. Tsvigoulis G, Kargiotis O, Katsanos AH, Patousi A, Pikilidou M, Birbilis T, Mantatzis M, Palaiodimou L, Triantafyllou S, Papanas N, **Skendros P**, Terzoudi A, Georgiadis GS, Maltezos E, Piperidou C, Serdari A, Theodorou A, Ikonomidis I, Heliopoulos I, Vadikolias K. Clinical and Neuroimaging Characteristics in Embolic Stroke of Undetermined versus Cardioembolic Origin: A Population-Based Study. *J Neuroimaging.* 2019 Aug 28.
3. Tsvigoulis G, Kargiotis O, Katsanos AH, Patousi A, Mavridis D, Tsokani S, Pikilidou M, Birbilis T, Mantatzis M, Zompola C, Triantafyllou S, Papanas N, **Skendros P**, Terzoudi A, Georgiadis GS, Maltezos E, Piperidou C, Tsioufis K, Heliopoulos I, Vadikolias K. Incidence, characteristics and outcomes in patients with embolic stroke of undetermined source: A population-based study. *J Neurol Sci.* 2019;401:5-11.
4. Boeltz S, Amini P, Anders HJ, Andrade F, Bilyy R, Chatfield S, Cichon I, Clancy DM, Desai J, Dumych T, Dwivedi N, Gordon RA, Hahn J, Hidalgo A, Hoffmann MH, Kaplan MJ, Knight JS, Kolaczowska E, Kubes P, Leppkes M, Manfredi AA, Martin SJ, Maueröder C, Maugeri N, Mitroulis I, Munoz LE, Nakazawa D, Neeli I, Nizet V, Pieterse E, Radic MZ, Reinwald C, Ritis K, Rovere-Querini P, Santocki M, Schauer C, Schett G, Shlomchik MJ, Simon HU, **Skendros P**, Stojkov D, Vandenamee P, Vandenberghe T, van der Vlag J, Vitkov L, von Köckritz-Blickwede M, Yousefi S, Zarbock A & Herrmann M. To NET or not to NET: Current opinions and state of the science regarding the formation of neutrophil extracellular traps. *Cell Death Differ.* 2019 2019;26:395-408.
5. Papagoras C, Arelaki S, Botis I, Chrysafis I, Giannopoulos S, **Skendros P**. Co-occurrence of dermatomyositis and polycythemia unveiling rare *de novo* neuroendocrine prostate tumor. *Front Oncol.* 2018;8:534.
6. Arampatzioglou A, Papazoglou D, Konstantinidis T, Chrysanthopoulou A, Mitsios A, Angelidou I, Maroulakou I, Ritis K, **Skendros P**. Clarithromycin Enhances the Antibacterial Activity and Wound Healing Capacity in Type 2 Diabetes Mellitus by Increasing LL-37 Load on Neutrophil Extracellular Traps. *Front Immunol.* 2018;9:2064.
7. **Skendros P**, Mitroulis I, Ritis K. Autophagy in Neutrophils: From Granulopoiesis to Neutrophil Extracellular Traps. *Front Cell Dev Biol.* 2018;6:109.

8. Tsivgoulis G, Katsanos AH, Patousi A, Pikilidou M, Birbilis T, Mantatzis M, Yavropoulou M, Zompola C, Triantafyllou S, Papanas N, **Skendros P**, Terzoudi A, Georgiadis GS, Zebekakis P, Maltezos E, Piperidou C, Heliopoulos I, Vadikolias K. Stroke recurrence and mortality in northeastern Greece: the Evros Stroke Registry. *J Neurol*. 2018;265:2379-2387.
9. Angelidou I, Chrysanthopoulou A, Mitsios A, Arelaki S, Arampatzioglou A, Kambas K, Ritis D, Tsironidou V, Moschos I, Dalla V, Stakos D, Kouklakis G, Mitroulis I, Ritis K, **Skendros P**. REDD1/Autophagy Pathway Is Associated with Neutrophil-Driven IL-1 β Inflammatory Response in Active Ulcerative Colitis. *J Immunol*. 2018;200:3950-3961.
10. Tsivgoulis G, Patousi A, Pikilidou M, Birbilis T, Katsanos AH, Mantatzis M, Asimis A, Papanas N, **Skendros P**, Terzoudi A, Karamanli A, Kouroumichakis I, Zebekakis P, Maltezos E, Piperidou C, Vadikolias K, Heliopoulos I. Stroke Incidence and Outcomes in Northeastern Greece: The Evros Stroke Registry. *Stroke*. 2018 Feb;49:288-295.
11. Papagoras C, Chrysanthopoulou A, Mitsios A, Arampatzioglou A, Ritis K, **Skendros P**. Autophagy inhibition in adult-onset Still's disease: still more space for hydroxychloroquine? *Clin Exp Rheumatol*. 2017 Nov-Dec;35 Suppl 108:133-134.
12. Chrysanthopoulou A, Kambas K, Stakos D, Mitroulis I, Mitsios A, Vidali V, Angelidou I, Bochenek M, Arelaki S, Arampatzioglou A, Galani IE, **Skendros P**, Couladouros EA, Konstantinides S, Andreakos E, Schäfer K, Ritis K. Interferon lambda1/IL-29 and inorganic polyphosphate are novel regulators of neutrophil-driven thromboinflammation. *J Pathol*. 2017;243:111-122.
13. **Skendros P**, Chrysanthopoulou A, Rousset F, Kambas K, Arampatzioglou A, Mitsios A, Bocly V, Konstantinidis T, Pellet P, Angelidou I, Apostolidou E, Ritis D, Tsironidou V, Galtsidis S, Papagoras C, Stakos D, Kouklakis G, Dalla V, Koffa M, Mitroulis I, Theodorou I, Ritis K. Regulated in development and DNA damage responses 1 (REDD1) links stress with IL-1 β -mediated familial Mediterranean fever attack through autophagy-driven neutrophil extracellular traps. *J Allergy Clin Immunol*. 2017;140:1378-1387
14. Apostolidou E*, **Skendros P***, Kambas K, Mitroulis I, Konstantinidis T, Chrysanthopoulou A, Nakos K, Tsironidou V, Koffa M, Boumpas DT, Ritis K. Neutrophil extracellular traps regulate IL-1 β -mediated inflammation in familial Mediterranean fever. *Ann Rheum Dis*. 2016;75:269-77.
**equal contribution*
15. Gatselis NK, **Skendros P**, Ritis K, Dalekos GN. Severe liver involvement in two patients with long-term history of fever: remember familial Mediterranean fever. *BMJ Case Rep*. 2016 Sep 22;2016.
16. Arelaki S, Arampatzioglou A, Kambas K, Papagoras C, Miltiades P, Angelidou I, Mitsios A, Kotsianidis I, **Skendros P**, Sivridis E, Maroulakou I, Giatromanolaki A, Ritis K. Gradient Infiltration of Neutrophil Extracellular Traps in Colon Cancer and Evidence for Their Involvement in Tumour Growth. *PLoS One*. 2016;11:e0154484.
17. **Skendros P**, Papagoras C, Lefaki I, Giatromanolaki A, Kotsianidis I, Speletas M, Bocly V, Theodorou I, Dalla V, Ritis K. Successful response in a case of severe pustular psoriasis after IL-1 β inhibition. *Br J Dermatol*. 2017;176:212-215.
18. Avram A, Duarte C, Santos MJ, Papagoras C, Ritis K, Scarpioni R, Schmidt WA, **Skendros P**. Identifying Patient Candidates for IL-1 Inhibition: Lessons From Real-World Cases. *Joint Bone Spine*. 2015;82 Suppl 1:eS17-29.
19. Konstantinidis T, Kambas K, Mitsios A, Panopoulou M, Tsironidou V, Dellaporta E, Kouklakis G, Arampatzioglou A, Angelidou I, Mitroulis I, **Skendros P**, Ritis K. Immunomodulatory Role of Clarithromycin in *Acinetobacter baumannii* Infection via Formation of Neutrophil Extracellular Traps. *Antimicrob Agents Chemother*. 2015;60:1040-8.
20. Stakos DA, Kambas K, Konstantinidis T, Mitroulis I, Apostolidou E, Arelaki S, Tsironidou V, Giatromanolaki A, **Skendros P**, Konstantinides S, Ritis K. Expression of functional tissue factor by neutrophil extracellular traps in culprit artery of acute myocardial infarction. *Eur Heart J*. 2015;36:1405-14.

21. **Skendros P**, Rondeau S, Chateil JF, Bui S, Bocly V, Moreau JF, Theodorou I, Aladjidi N. Misdiagnosed CD19 deficiency leads to severe lung disease. *Pediatr Allergy Immunol.* 2014;25:603-6.
22. Kambas K, Chrysanthopoulou A, Vassilopoulos D, Apostolidou E, **Skendros P**, Girod A, Arelaki S, Froudarakis M, Nakopoulou L, Giatromanolaki A, Sidiropoulos P, Koffa M, Boumpas DT, Ritis K, Mitroulis I. Tissue factor expression in neutrophil extracellular traps and neutrophil derived microparticles in antineutrophil cytoplasmic antibody associated vasculitis may promote thromboinflammation and the thrombophilic state associated with the disease. *Ann Rheum Dis.* 2014;73:1854-63.
23. **Skendros P**, Boura P. Immunity to brucellosis. *Rev Sci Tech.* 2013;32:137-47.
24. Kambas K, Mitroulis I, Apostolidou E, Girod A, Chrysanthopoulou A, Pneumatikos I, **Skendros P**, Kourtzelis I, Koffa M, Kotsianidis I, Ritis K. Autophagy mediates the delivery of thrombogenic tissue factor to neutrophil extracellular traps in human sepsis. *PLoS One.* 2012;7:e45427.
25. Mitroulis I, Kambas K, Chrysanthopoulou A, **Skendros P**, Apostolidou E, Kourtzelis I, Drosos GI, Boumpas DT, Ritis K. Neutrophil extracellular trap formation is associated with IL-1 β and autophagy-related signaling in gout. *PLoS One.* 2011;6:e29318.
26. **Skendros P**, Mitroulis I. Host cell autophagy in immune response to zoonotic infections. *Clin Dev Immunol.* 2012;2012:910525.
27. Efthimiadis I, **Skendros P**, Sarantopoulos A, Boura P. CD4+/CD25+ T-Lymphocytes and Th1/Th2 regulation in dilated cardiomyopathy. *Hippokratia.* 2011;15:335-42.
28. Chrysanthopoulou A, Mitroulis I, Kambas K, **Skendros P**, Kourtzelis I, Vradelis S, Kolios G, Aslanidis S, Doumas M, Ritis K. Tissue factor-thrombin signaling enhances the fibrotic activity of myofibroblasts in systemic sclerosis through up-regulation of endothelin receptor A. *Arthritis Rheum.* 2011;63:3586-97.
29. Deretzi G, Kountouras J, Gavalas E, Polyzos SA, Zavos C, Klonizakis P, Vardaka E, **Skendros P**, Katsinelos P, Giartza-Taxidou E, Kyriakou P. Multiple sclerosis and seizures: possible role of Helicobacter pylori. *Eur J Neurol.* 2011;18:e116
30. 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;70:1347-8.
31. **Skendros P**, Pappas G, Boura P. Cell-mediated immunity in human brucellosis. *Microbes Infect.* 2011;13:134-42.
32. Mitroulis I, **Skendros P**, Ritis K. Targeting IL-1beta in disease; the expanding role of NLRP3 inflammasome. *Eur J Intern Med.* 2010;21:157-63.
33. **Skendros P**, Sarantopoulos A, Tselios K, Boura P. Chronic brucellosis patients retain low frequency of CD4+ T-lymphocytes expressing CD25 and CD28 after Escherichia coli LPS stimulation of PHA-cultured PBMCs. *Clin Dev Immunol.* 2008;2008:327346.
34. Sarantopoulos A, Tselios K, **Skendros P**, Bougiouklis D, Theodorou I, Boura P. Genetic polymorphism study of regulatory B cell molecules and cellular immunity function in an adult patient with Common Variable Immunodeficiency. *Hippokratia.* 2008;12:188-90.
35. Boura P, Tselios K, **Skendros P**, Kamali S, Sarantopoulos A, Raptopoulou-Gigi M. Adamantiades-Behcet disease (ABD) in northern Greece patients: experience from a single center. *Hippokratia.* 2007;11:210-5.
36. Boura P, Tselios K, Kamali S, **Skendros P**, Sarantopoulos A, Topouzis F. Concurrent relapsing central nervous system and ocular involvement in a case of life-threatening Adamantiades-Behçet Disease (ABD). *Neurol Sci.* 2006;27:432-5.
37. **Skendros P**, Boura P, Kamaria F, Raptopoulou-Gigi M. CD80/CD28 co stimulation in human brucellosis. *Clin Exp Immunol.* 2006;146:400-8. Erratum in: *Clin Exp Immunol.* 2007;147:197.
38. **Skendros P**, Boura P, Chrisagis D, Raptopoulou-Gigi M. Diminished percentage of CD4+ T-lymphocytes expressing interleukine-2 receptor alpha in chronic brucellosis. *J Infect.* 2007;54:192-7.

39. Boura P, Sarantopoulos A, Lefaki I, **Skendros P**, Papadopoulos P. Eosinophilic cellulitis (Wells' syndrome) as a cutaneous reaction to the administration of adalimumab. *Ann Rheum Dis*. 2006;65:839-40.
40. Boura P, Papadopoulos S, Tselios K, **Skendros P**, Dioritou O, Malamis G, Makris P, Lefkos N. Intracerebral hemorrhage in a patient with SLE and catastrophic antiphospholipid syndrome (CAPS): report of a case. *Clin Rheumatol*. 2005;24:420-4.
41. Boura P, Tselios K, **Skendros P**, Kountouras J. Antiphospholipid syndrome in Greece: clinical and immunological study and review of the literature. *Angiology*. 2004;55:421-30.
42. **Skendros P**, Kamaria F, Kontopoulos V, Tsitouridis I, Sidiropoulos L. Intradural, eextramedullary tuberculoma of the spinal cord as a complication of tuberculous meningitis. *Infection*. 2003;31:115-7.
43. **Skendros P**, Boura P, Tsantas N, Debre P, Theodorou I. Frequency analysis of the CCR5delta32 mutation in patients with brucellosis. *Scand J Infect Dis*. 2002;34:944-6.
44. Boura P, **Skendros P**, Kountouras J, Zacharioudaki E, Tsapas T. Effect of bacterial extracts on the immunologic profile in chronic relapsing brucellosis patients. *Int J ImmunopatholPharmacol*. 1999;12:103-111.

- Chapter in international books

Brucellosis: recent developments towards 'One Health' concept.
 OIE Scientific and Technical Review 32 (1), 2013.
 Editors: Glenn Plumb, Georgios Pappas, Steve Olsen.
 Chapter 2: Pathogenesis, 2.15: Immunity to brucellosis.
 World Organization for Animal Health (OIE) (<http://www.oie.int/>)

- Abstracts in international conferences: >40

- Greek publications:

- Publications in Greek scientific journals: 16
- Contribution in teaching books (seminars/courses): 28
- Abstracts in Greek conferences: >50

- Evaluation of international research projects:

- External reviewer in research project funded by the Portuguese Foundation for Science and Technology, Ministerio da Educação e Ciência (FCT).
- External reviewer in research project funded by the Worldwide Cancer Researc (WCR, [Link](#))

- PhD supervising: 1 ongoing, PhD co-supervising: 2 ongoing

- Reviewer in international scientific journals:

Br J Pharmacol, Cytokine, Scientific Reports (Nature Publishing), Cell Death & Disease (Nature Publishing), American Journal of Physiology, Metabolism, Virulence, Clinical and Experimental Rheumatology, Microbiology and Immunology, Clinical and Developmental Immunology, Cancers, Current Genomics, Current Medicinal Chemistry, Immunogastroenterology, Journal of Medical Case Reports, Journal of Postgraduate Medicine, Medical Science Monitor, International Journal of Medical Sciences, Therapeutics and Clinical Risk Management, Mediterranean Journal of Rheumatology, Antibodies.

V. TEACHING

- **9/2009 – today:** Tutor in the training program of medical students of the Medical Department of DUTH. Lessons: Pathophysiology (Coordinator, 3rd year students), Physical Examination (3rd year students), Internal Medicine (4th and 6th year students), Principles of Clinical Immunology (5th year of studies). During daily clinical activities, trainer of resident internists as well as sixth year medical students in Internal Medicine and Therapeutics.

- **Teaching in Interdepartmental and Inter-University Master Degree programs:** 6 ongoing

- **Teaching in post-graduate seminars/courses as invited speaker:** >30

- **Invited speaker (seminars/congresses/meetings):** >60

VI. CLINICAL ACTIVITY

Consultant at the University Hospital of Alexandroupolis. Diagnostic investigation, treatment and follow-up of admitted patients, as well as, outpatients. Medical consultation on a weekly basis with focus on systemic inflammatory diseases (autoimmune and autoinflammatory disorders). In addition, the Outpatient Unit and the Laboratory of Molecular Hematology of Democritus University of Thrace are specialized centers for the clinical evaluation and the genetic diagnosis of patients suffering from familial Mediterranean fever (FMF) in Northern Greece (www.inflathrace.gr). Dr Skendros is member of the Scientific Advisory Committee for Clinical Studies/Trials in University Hospital of Alexandroupolis.