

BRIEF CURRICULUM VITAE

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CURRENT POSITION

Professor of Haematology, University of Crete, School of Medicine.

Head, Department of Haematology and Autologous Haemopoietic Stem Cell Transplantation Unit, University Hospital of Heraklion, Crete, Greece.

Head, Haemopoiesis Research Laboratory, University of Crete, School of Medicine.

Head, Flow Cytometry Laboratory, University of Crete, School of Medicine.

Head, Public Umbilical Cord Blood Bank, Crete

EDUCATION-TRAINING

1981-1987: MD, Medical School, University of Athens (with honors)

1991-1995: PhD (Haematology-Immunology), University of Crete, School of Medicine (with honors)

1989-1996: Specialization in Haematology, Department of Haematology, University Hospital of Heraklion, Crete, Greece

1999-2000: Research Fellow (EMBO Fellowship), Saint George's Medical School, London, UK

2002: Visiting Professor (sabbatical), Institute for Cancer Studies, Birmingham, UK

2007: Visiting Professor (sabbatical), Department of Haematology, University of Washington, Seattle, USA.

POSITIONS AND HONORS

2013 – 2015: Deputy Rector for Academic Affairs, University of Crete, Greece.

2014–today: Deputy Director of the Graduate Program “Molecular Basis of Human Diseases”, School of Medicine, University of Crete (2006-2014 member of the Steering Committee).

2012: Member of the Expert Committee for the therapeutic guidelines for Haematologic Disorders, National Organization of Medicines, Greece.

- 2011 – 2015:** Director of the Pre-Graduate Study Committee, School of Medicine, University of Crete (2003-2011 member of the Committee).
- 2011-today:** Member of the Steering Committee of the Scientific Working Group of Granulocyte and Monocyte Disorders of the European Haematology Association
- 2009-2013:** Head of the Scientific Working Group on Bone Marrow Failure and Myelodysplastic Syndromes of the Hellenic Haematology Association (2007-2009 vice president, 2005-2007 head).
- 2007- today:** Professor of Haematology, Head of the Department of Haematology of the University Hospital of Heraklion, Head of the Haemopoiesis Research Laboratory of the University of Crete School of Medicine
- 2007- today:** President of the examination committee for the Specialization of Haematology in Crete.
- 2007- 2010:** Head of the Scientific Working Group on Granulocyte and Monocyte Disorders of the European Haematology Association
- 2003- today:** Head of the Flow Cytometry Lab of the University of Crete, School of Medicine
- 2002-2007:** Assistant Professor of Haematology, University of Crete School of Medicine.
- 2002– today:** Local liaison physician for the Severe Chronic Neutropenia International Registry.
- 1997-2002:** Lecturer of Haematology, University of Crete School of Medicine.

REVIEWER IN JOURNALS

Blood, Haematologica/The Hematology Journal, British Journal of Hematology, Leukemia, Experimental Hematology, Stem Cells and Development, Tissues Engineering, Leukemia Research, Cancer Letter, Arthritis and Rheumatism, Annals of Rheumatic Diseases, Journal of Autoimmunity, Journal of Cellular Biochemistry, Leukemia & Lymphoma, Cell Proliferation, Journal of Rheumatology, Trends in Molecular Medicine, Journal of Infectious Diseases, Expert Opinion on Biological Therapy, Journal of Internal Medicine, Acta Hematologica.

EXPERT REVIEWER

European Research Council, E.U.; E-rare, European Research Projects on Rare Diseases, E.U.; The Arthritis Research Campaign Organization (UK); Cancer Research UK Grants; Sultan Qaboos University; Health Research Board (HRB)– Patient Oriented Research Committee, Dublin, Ireland; Norwegian Stem Cell Center, Research Council of Norway.

INVITED SPEAKER - ORGANIZATION OF INTERNATIONAL CONFERENCES

Invited speaker in more than 100 national and international conferences.

Organization of two International Neutropenia Network Conferences (2001, 2005); PNH International Meeting (2011) with an unrestricted educational grant from Alexion; Advanced Training Course on Chronic Lymphocytic Leukemia addressed to trainees in Haematology and young haematologists from different parts of South-East Europe (Bulgaria, Slovakia, Estonia, Romania, Latvia, Switzerland, Austria, Hungary, Serbia and Greece) (2012), in the University of Crete, School of Medicine.

REPRESENTATIVE RESEARCH GRANTS

Association for International Cancer Research, AICR. “Study of the in vivo effect of an anti-TNF α monoclonal antibody (cA2) on bone marrow stem/progenitor cell reserve and function and on bone marrow stromal cell function in patients with myelodysplastic syndromes” (**39.000 £**) (2003-2006).

6FP, E.U. Integrated Program. “Adult mesenchymal stem cells engineering for connective tissue disorders from the bench to the bedside (GENOSTEM_/ LSHB-CT-2003-503961)”. (**254.000 €**) (2004-2007).

General Secretariat of Research and Technology, Greece, PENED 03ED072. “Study of MSCs in MDS” (**56.000 €**) (2006-2009).

General Secretariat of Research and Technology, Greece, 09SYN-13-880. “Study of Chronic Idiopathic Neutropenia” (**240.000 €**) (2011-2015).

7FP, TransPot, REGPOT-2011-1. “Enhancing University of Crete Medical School Scientific Excellence and Translational Research Potential in Human Diseases” (3.000.000 €) (2012-2015).

General Secretariat of Research and Technology, Greece, “SYNERGASIA 11SYN_10_668”. «Generation of a Public Umbilical Cord Blood Bank in Crete». (640.000 €) (2013-2015).

RESEARCH INTERESTS

Chronic Idiopathic Neutropenia; Mesenchymal Stem Cells; Myelodysplastic Syndromes; Bone Marrow Failure.

SELECTED PUBLICATIONS

1. Pavlaki K, Pontikoglou CG, Demetriadou A, Batsali AK, Damianaki A, Simantirakis E, Kontakis M, Galanopoulos A, Kotsianidis I, Kastrinaki MC, Papadaki HA. Impaired Proliferative Potential of Bone Marrow Mesenchymal Stromal Cells in Patients with Myelodysplastic Syndromes Is Associated with Abnormal WNT Signaling Pathway. *Stem Cells Dev.* 2014 Jul 15;23(14):1568-81.
2. Velegraki M, Papakonstanti E, Mavroudi I, Psyllaki M, Tsatsanis C, Oulas A, Iliopoulos I, Katonis P, Papadaki HA. Impaired clearance of apoptotic cells leads to HMGB1 release in the bone marrow of patients with myelodysplastic syndromes and induces TLR4-mediated cytokine production. *Haematologica.* 2013 Aug;98(8):1206-15.

3. Pavlaki KI, Kastrinaki MC, Klontzas M, Velegraki M, Mavroudi I, Papadaki HA. Abnormal telomere shortening of peripheral blood mononuclear cells and granulocytes in patients with chronic idiopathic neutropenia. *Haematologica*. 2012 May;97(5):743-50.
4. Velegraki M, Koutala H, Tsatsanis C, Papadaki HA. Increased levels of the high mobility group box 1 protein sustain the inflammatory bone marrow microenvironment in patients with chronic idiopathic neutropenia via activation of toll-like receptor 4. *J Clin Immunol*. 2012 Apr;32(2):312-22.
5. Mavroudi I, Papadaki V, Pyrovolaki K, Katonis P, Eliopoulos AG, Papadaki HA. The CD40/CD40 ligand interactions exert pleiotropic effects on bone marrow granulopoiesis. *J Leukoc Biol*. 2011 May;89(5):771-83.
6. Spanoudakis M, Koutala H, Ximeri M, Pyrovolaki K, Stamatopoulos K, Papadaki HA. T-cell receptor V β repertoire analysis in patients with chronic idiopathic neutropenia demonstrates the presence of aberrant T-cell expansions. *Clin Immunol*. 2010 Dec;137(3):384-95.
7. Klaus M, Stavroulaki E, Kastrinaki MC, Fragioudaki P, Giannikou K, Psyllaki M, Pontikoglou C, Tsoukatou D, Mamalaki C, Papadaki HA. Reserves, functional, immunoregulatory, and cytogenetic properties of bone marrow mesenchymal stem cells in patients with myelodysplastic syndromes. *Stem Cells Dev*. 2010 Jul;19(7):1043-54.
8. Ximeri M, Galanopoulos A, Klaus M, Parcharidou A, Giannikou K, Psyllaki M, Symeonidis A, Pappa V, Kartasis Z, Liapi D, Hatzimichael E, Kokoris S, Korkolopoulou P, Sambani C, Pontikoglou C, Papadaki HA; Hellenic MDS Study Group. Effect of lenalidomide therapy on hematopoiesis of patients with myelodysplastic syndrome associated with chromosome 5q deletion. *Haematologica*. 2010 Mar;95(3):406-14.
9. Papadaki HA, Eliopoulos AG, Kostas T, Gemetzi C, Damianaki A, Koutala H, Bux J, Eliopoulos GD. Impaired granulocytopoiesis in patients with chronic idiopathic neutropenia is associated with increased apoptosis of bone marrow myeloid progenitor cells. *Blood*. 2003 Apr 1;101(7):2591-600.
10. Papadaki HA, Kritikos HD, Valatas V, Boumpas DT, Eliopoulos GD. Anemia of chronic disease in rheumatoid arthritis is associated with increased apoptosis of bone marrow erythroid cells: improvement following anti-tumor necrosis factor-alpha antibody therapy. *Blood*. 2002 Jul 15;100(2):474-82.