

BRIEF CV

TASSOS GEORGAKOPOULOS

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PERSONAL DATA

NAME: TASSOS GEORGAKOPOULOS

DATE OF BIRTH: March 4 1965

PLACE OF BIRTH: ATHENS

MARITAL STATUS: Married (2 children)

ADDRESS LABORATORY OF HEMATOLOGY
MEDICAL SCHOOL
UNIVERSITY OF PATRAS

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STUDIES - RESEARCH AND PROFESSIONAL POSITIONS

1976 - 1982	Varvakios high school
1982 - 1987	Undergraduate studies in Physics
1987 - 1988	Employee at the North Aegean Petroleum Company
1989 - 1994	Graduate student at the Institute of Molecular Biology and Biotechnology (with scholarship) IMBB, ITE, HERAKLIO, CRETE).
1994 - 1995	Military service
Dec. 1995	Thesis defence (Molecular Biology).
1996 - 1997	Post Doc. at the Institute of Marine Biology (IMBC, HERAKLIO, CRETE).
1998 - 2000	Associate Researcher at IMBB, ITE, HERAKLIO, CRETE.
2001 - 2004	Associate Researcher at the Biological Chemistry Laboratory MEDICAL SCHOOL - UNIVERSITY OF PATRAS.
2003 - 2006	Scientific Advisor at Chemilab Ltd.
2003 - 2007	Associate Scientific Personnel at Hellenic Open University.
2004 - present	Lab Manager and Associate Researcher at the Hematology Laboratory MEDICAL SCHOOL - UNIVERSITY OF PATRAS.

Languages English

SCHOLARSHIPS-AWARDS

- Scholarship for PhD. Thesis at IMBB (Sept. 1988- May 1994)
- Scholarship for Post. Doctoral Research at IMBB (Jan. 1998- Jun 2001)
- Scholarship for Post. Doctoral Research at the University of Patras
- A' Award from the Greek Medical Society 25th May 2002.

RESEARCH

- 1989 - 1995** PhD. Thesis. Functional and Structural analysis of the Gcn5 transcriptional coactivator of *S. cerevisiae*.
- 1996 - 1997** Post. Doctoral Research at IMBC. Mitochondrial inheritance in *M. Mytilus*.
- 1998 - 2000** Research Associate at IMBB. Functional and Structural Analysis of the *S. cerevisiae* genome by mutagenesis, overexpression and two hybrid screens.
- 2001 - 2004** Research Associate at the Biological Chemistry Laboratory MEDICAL SCHOOL - UNIVERSITY OF PATRAS. Transcriptional Regulation during morphogenesis of osteoblasts and neuronal cells.
- 2004 -** Research Associate at the Hematology Laboratory MEDICAL SCHOOL - UNIVERSITY OF PATRAS. Transcriptional Regulation and the role of chromatin structure on the expression of IL-2 gene and HIV-1 LTR

PARTICIPATION IN RESEARCH PROGRAMS

- 1/02/1998-31/01/1999.** EUROFAN – BIO4-CT97-2292 Functional Analysis of the *S. cerevisiae* Genome .
- 1/02/1999-31/01/2000.** EPET II (GREEK GENERAL SECRETARIAT OF RESEARCH). Genetic modification of lymphocytes with chimeric receptors.
- 1/02/2000-30/06/2001.** EPET II (GREEK GENERAL SECRETARIAT OF RESEARCH). Cloning of genes with tolerance to cercosporine.
- 1/07/2000-31/12/2001.** PENED 99 (GREEK GENERAL SECRETARIAT OF RESEARCH). Searching for interactants with the JNK2 kinase by the use of the two-hybrid system.
- 15/11/2001-15/11/2003.** KARATHEODORIS (UNIVERSITY OF PATRAS). Study of the interaction between JNK2 kinase and BMPRII receptor.
- 01/03/2004-31/08/2006.** PYTHAGORAS I (GREEK MINISTRY OF EDUCATION) Study of the function of the osteoblast specific transcriptional activators CBFA1/RUNX2 and OSTERIX.
- 01/12/2004-30/11/2007.** KARATHEODORIS (UNIVERSITY OF PATRAS). Transcriptional Regulation of the IL-2 gene and HIV-1 LTR
- 01/03/2005-31/12/2007.** PYTHAGORAS II (GREEK MINISTRY OF EDUCATION) New methodologies in the production of bioinert glasses. Synthesis, structure, properties and applications.
- 01/05/2006-30/04/2008.** Basic research programmes founded by the Greek Central Council of Health: «Interactions between the BMPRII receptor and the MAP kinase JNK2: *molecular analysis of them and their significance in osteogenesis and bone malignancies*»

PUBLICATIONS

1. Georgatsou, E., **Georgakopoulos, T.** and Thireos, G.: “Molecular cloning of an essential yeast gene encoding a proteosomal subunit " *FEBS Letters* 299: 39 - 43 1992. **Total citations: 20**
2. **Georgakopoulos, T.** and Thireos, G.: “ Two distinct yeast transcriptional activators require the function of the GCN5 protein to promote normal levels of transcription.” *EMBO J.*, 11: 4145 - 4152, 1992. **Total citations: 213**
3. **Georgakopoulos, T.**, Gounalaki, N. and Thireos, G.: “Interdependent function of the GCN5 and ADA2 proteins in mediating transcriptional activation by acidic activators.” *Mol.Gen.Genet.* 246: 723 -728. 1995. **Total citations: 49**
4. **Georgakopoulos T.**, Koutroubas G., Prokova V., Vakonakis I., Tzermia M., Voutsina A. and Alexandraki D."Functional analysis of the *Saccharomyces cerevisiae* YFR021w/YGR223c/YPL100w ORF family suggests relations to mitochondrial/peroxisomal functions and amino acid signaling pathways." *Yeast* 18: 1155-1171 2001. **Total citations: 16**
5. Ziros PG, Rojas-Gil P, **Georgakopoulos T**, Habeos I, Kletsas D, Basdra EK, Papavassiliou AG.«The bone-specific transcriptional regulator Cbfa1 is a target of mechanical signals in osteoblastic cells.” *J Biol Chem.* Jun 28; 277(26):23934-41. 2002 **Total citations: 110**
(SELECTED PUBLICATION BY NASA)
6. Argyropoulos C., Nikiforidis GC, Theodoropoulou M, Adamopoulos P, Boubali S, **Georgakopoulos T**, Paliogiani F, Papavasiliou AG and Mouzaki A. “Mining microarray data to identify transcription factors expressed in naïve resting but not activated T lymphocytes” *Genes and Immunity* Jan;5(1):16-25 2004 **Total citations: 11**
7. Alarcon J.A., Magoulas A., **Georgakopoulos T.**, Zouros E. and Alvarez M.C. “Genetic comparison of wild and cultivated European populations of the gilthead sea bream (*Sparus aurata*)” *Aquaculture* Feb 230: 65-80. 2004 **Total citations: 36**
8. Ziros PG, **Georgakopoulos T**, Habeos I, Basdra E.K. and Papavassiliou AG. “Growth Hormone Attenuates the Transcriptional Activity of Cbfa1/Runx2 by Facilitating its Physical Association With Stat3 β ”. *J. Bone. Mineral Res* Nov;19(11):1892-904 2004 **Total citations: 19**
9. Argyropoulos C, Adamopoulos P, **Georgakopoulos T**, Chatzantoni K, Nikiforidis G & Mouzaki A. “Identification of transcriptional repressors of HIV virus in naive T lymphocytes using «wet» bioinformatics techniques”. In: «*Immunology 2004*», pp.267-271, 2004 Medimond, Bologna (Italy). [www.medimond.com].

10. Mouzaki A, Panagoulas I, Dervilli Z, Zolota V, Spadidea P, Rodi M, Panitsas FP, Lagadinou E, de Lastic AL, **Georgakopoulos T**. “Expression patterns of leptin receptor (OB-R) isoforms and direct in vitro effects of recombinant leptin on OB-R, leptin expression and cytokine secretion by human hematopoietic malignant cells.” *Cytokine*. 48 (3): 203-211 2009. **Total citations: 4**
11. Fourtounas C, Dousdampanis P, Sakellaraki P, Rodi M, **Georgakopoulos T**, Vlachojannis JG, Mouzaki A. “Different Immunosuppressive Combinations on T-Cell Regulation in Renal Transplant Recipients.” *Am J Nephrol*. 20;32(1):1-9. 2010. **Total citations: 1**

Total citations: 481 h index: 8

PARTICIPATION IN INTERNATIONAL CONGRESSES

1. **“Evolution and Development: Thirty years after the Jacob - Monod paradigm”**. Heraklion, Crete, Greece. October 14 th- 20 th, 1991.
2. **Workshop on “Control of Gene Expression in Yeast” (SELECTED ORAL PRESENTATION)**. Madrid, Spain. December 14 th –16 th, 1992.
3. **“Basic Aspects of Transcription”**. Keystone, Colorado, USA. February 13 th – 20 th, 1994.
4. **“EUROFAN 98 – The third meeting”**. Noordwijkerhout, The Netherlands. May 16 th – 19 th 1998.
5. **Workshop on “Cell Biology of Bone and Cartilage in Health and Disease”** Davos Switzerland, March 16-19, 2002.

POSTER AND/OR ORAL PRESENTATIONS AT INTERNATIONAL CONGRESSES

1. Thireos, G., Alexandraki, D., **Georgakopoulos, T.**, Dialynas, G., Krupitza, G., Maniataki, E., Roussou I., Tzamarias, D. and Tzortzakis, N.: "Translational regulation of GCN4 mRNA and the control of protein synthetic rates in yeast." **I.C.G.E.B. Colloquium on "Eukaryotic Gene Regulation and Expression"**, Heraklio, Crete, Greece, May 1990.
2. Thireos, G., Alexandraki, D., Dialynas, G., **Georgakopoulos, T.**, Georgatsou, E., Maniataki, E. and Tavernarakis, N.: " Transcriptional and translational control mechanisms: the GCN4 model in yeast." **9th Balkan Biochemical and Biophysical Days**, May 1992.
3. Thireos, G., Alexandraki, D., **Georgakopoulos, T.**, Maniataki, E. and Tavernarakis, N.: "Transcriptional and translational control mechanisms: The GCN4 model in yeast." **16th International Conference of Yeast Genetics and Molecular Biology**, Vienna, Austria, August 1992.
4. **Georgakopoulos, T.**, Thireos, G., Alexandraki, D., Maniataki, E. and Tavernarakis, N.: "Translational and transcriptional regulation of gene expression: The GCN4 model in yeast." **Workshop on "Control of Gene Expression in Yeast"**. Madrid, Spain, December 1992.
5. **T. Georgakopoulos** and G. Thireos .: "Molecular interactions between the GCN5 and ADA2 co – activators for full transcriptional activation by GCN4." **“Basic Aspects of Transcription”**. Keystone, Colorado, USA. 13 - 20 February, 1994.

6. A. Voutsina, **T. Georgakopoulos**, A. Boutla, M. Tzermia, E. Georgatsou and D. Alexandraki.: "Gene Disruptions and Two-Hybrid Screens." **EUROFAN98**, The Third Meeting. Noordwijkerhout, NL, 16-19 May 1998.
7. Penzo E., Magoulas A., Alarcon J.A., Bargelloni L., Ostellari L., **Georgakopoulos T.**, Alvarez M.C. and Patarnello T.: "Population genetic survey of eighth species of Sparidae with an Atlantic- Mediterranean distribution by means mitochondrial and nuclear markers." **Third European Marine Science and Technology conference**. Lisbon 23-27 May 1998.
8. A. Voutsina, E. Georgatsou, **T. Georgakopoulos**, M. Tzermia, A. Boutla and D. Alexandraki.: "Functional analysis of newly identified yeast open reading frames." **Functional Genomics. The Luunberg Institute and The Technology Link Foundation of Goeteborg**. Sweden, August 27-28, 1998.
9. **T. Georgakopoulos**, A. Voutsina, I Vakonakis, D. Kotsis, M. Tzermia, D. Koutsododis and D. Alexandraki: "Functional analysis of gene families by gene disruption, overexpression and two hybrid protein-protein interactions" **XIX INTERNATIONAL CONFERENCE ON YEAST GENETICS AND MOLECULAR BIOLOGY** Rimini, ITALY May25-30, 1999
10. **T. Georgakopoulos**, G. Koutroubas, A. Voutsina, G. Koutsododis, V., V. Prokova, M. Tzermia, and D. Alexandraki. YFR021w and YPL100w ORFs of a three-member family are involved in the mitochondrial retrograde and amino acid –sensing pathways . All four members of the SIW14 tyrosine phosphatase gene family are possibly involved in MAP kinase signalling pathways. **EUROFAN 2000**. Salamanca, SPAIN September 28-30 2000.
11. P.G. Ziros Gil A.P., **Georgakopoulos T**, Basdra E.K., Papavassiliou A.G. "Targeting of Mechanical Signals to the Osteoblast-Specific Transcriptional Regulator Cbfa1." **"9th Workshop on Cell Biology of Bone and Cartilage in Health and Disease"** Davos Switzerland, March 16-19, 2002.
12. Ziros PG, Rojas Gil AP, **Georgakopoulos T**, Habeos I, Kletsas D, Basdra EK, Papavassiliou AG. "The bone-specific transcriptional regulator Cbfa1 is a target of mechanical signals in osteoblastic cells." **29th European Symposium on Calcified Tissues**. Zagreb Croatia May 25-29 2002
13. Habeos I, Ziros PG, **Georgakopoulos T**, Rojas-Gil P, Vagenakis A, Papavassiliou AG. "Mechanism of statin action on triglyceride metabolism" **"12th Balkan Congress of Endocrinology and 30th Congress of the Greek Endocrine Society"** Thessaloniki May 21-25, 2003.
14. P.G. Ziros, **T. Georgakopoulos**, I. Habeos, E.K. Basdra, A.G. Papavassiliou "Growth hormone action on bone cells: modulator of a functional Runx2/Cbfa1-Stat3b interaction?" **Internatinal Conference on Bone and Mineral Research**. Vienna , Austria November 27-29, 2003

15. P.G. Ziros, **T. Georgakopoulos**, I. Habeos, E.K. Basdra, A.G. Papavassiliou
“Growth hormone modulates a functional Runx2/Cbfa1-Stat3 β interaction in osteoblastic cells.” **31st European Symposium on Calcified Tissues** Nice, FRANCE 5-9 June, 2004.

16. Argyropoulos C., Adamopoulos P., **Georgakopoulos T**, Chatzantoni K., Nikiforidis GC, and Mouzaki A. “Identification of transcriptional repressors of HIV in naïve T lymphocytes using wet bioinformatics techniques” **12th International Congress of Immunology and 4th Annual Conference of FOCIS** Montreal Canada 18-23 July, 2004.

POSTER AND/OR ORAL PRESENTATIONS AT GREEK CONGRESSES

1. Π. Ζήρος¹, **T. Γεωργακόπουλος¹**, Ι. Χαμπαίος^{1,2}, Ε.Κ. Μπάσδρα, Α.Γ. Παπαβασιλείου¹. Μοριακοί μηχανισμοί μηχανο-επαγωγικής οστεογένεσης. ¹Εργαστήριο Βιοχημείας, Τμήμα Ιατρικής, Πανεπιστήμιο Πατρών, ²Παθολογική κλινική – Ενδοκρινολογική Μονάδα, Τμήμα Ιατρικής, Πανεπιστήμιο Πατρών. **27ο ΠΑΝΕΛΛΗΝΙΟ ΙΑΤΡΙΚΟ ΣΥΝΕΔΡΙΟ Αθήνα 8-12 Μαΐου 2001**
2. **Γεωργακόπουλος Τ²**, Βουτσινά Α², Κουτρούμπας Γ¹, Τζεργιά Μ², Βακωνάκης Ι¹, Κότσης Δ¹, Κουτσοδόντης Γ¹, Προκόβα Β¹, Φραγκιαδάκης ΣΓ¹ και Αλεξανδράκη Δ^{1,2}. Λειτουργική ανάλυση παράλογων ανοικτών πλαισίων διαβάσματος στον *Saccharomyces cerevisiae*. Παν/μιο Κρήτης-Τμήμα Βιολογίας¹ και ΙΤΕ-ΙΜΒΒ² **23ο ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ Ε.Ε.Β.Ε. Ομήρειο Πνευματικό Κέντρο Χίου, 24-27 Μαΐου 2001.**
3. Κοκκινάκη Μ¹, **Γεωργακόπουλος Τ²**, Μπαζοπούλου Μ-Δ¹, Αλεξανδράκη Δ^{1,2}, Μοσχονάς ΝΚ^{1,2}. Λειτουργική μελέτη του γονιδίου *Neuralized* του ποντικού με χρήση του διωβρυδικού συστήματος του σακχαρομύκητα 1. Παν/μιο Κρήτης, Τμήμα Βιολογίας, 2. ΙΜΒΒ - ΙΤΕ **ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ Ε.Ε.Β.Ε. Ομήρειο Πνευματικό Κέντρο Χίου, 24-27 Μαΐου 2001.**
4. Π. Ζήρος¹, Α.Ρ. Rojas Gil¹, **T. Γεωργακόπουλος¹**, Ι. Χαμπαίος^{1,2}, Δ. Κλέτσα³, Ε.Κ. Μπάσδρα⁴, Α.Γ. Παπαβασιλείου¹. Επαγωγή στην οστεογένεση μέσω μηχανοδιέγερσης του ειδικού οστεοβλαστικού μεταγραφικού παράγοντα Cbfa1. ¹Εργαστήριο Βιοχημείας, Τμήμα Ιατρικής, Πανεπιστήμιο Πατρών, ²Παθολογική κλινική – Ενδοκρινολογική Μονάδα, Τμήμα Ιατρικής, Πανεπιστήμιο Πατρών, ³Κέντρο Ερευνών Δημόκριτος, ⁴Εργαστήριο Ορθοδοντικής, Τμήμα Οδοντιατρικής, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, **28^ο Πανελλήνιο Ιατρικό Συνέδριο Αθήνα 21-25 Μαΐου 2002.**
5. Α. Μουζάκη, **T. Γεωργακόπουλος**, Π. Αδαμόπουλος, Χ. Αργυρόπουλος και Α. Σκουτέλης. Μεταγραφική ρύθμιση του HIV-1: Δράση του μεταγραφικού παράγοντα ets2 στην καταστολή της έκφρασης του HIV-1. Αιματολογία – Αιμοδοσία, Τμήμα Ιατρικής, Πανεπιστήμιο Πατρών και 5^η Παθολογική Κλινική,

6. I. Χαμπαίος^{1,2}, Π. Ζήρος¹, **Τ. Γεωργακόπουλος¹**, Ε.Κ. Μπάσδρα³, Α.Γ. Παπαβασιλείου¹. Η αυξητική ορμόνη παρεμβαίνει στην οστεοβλαστική διαφοροποίηση τροποποιώντας την αλληλεπίδραση των μεταγραφικών παραγόντων RUNX2/CBFA1 και STAT3β. ¹Εργαστήριο Βιοχημείας, Τμήμα Ιατρικής, Πανεπιστήμιο Πατρών, ²Παθολογική κλινική – Ενδοκρινολογική Μονάδα, Τμήμα Ιατρικής, Πανεπιστήμιο Πατρών, ³Εργαστήριο Ορθοδοντικής, Τμήμα Οδοντιατρικής, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης. **31^ο ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ ΕΝΔΟΚΡΙΝΟΛΟΓΙΑΣ ΚΑΙ ΜΕΤΑΒΟΛΙΣΜΟΥ. Αθήνα 18-20 Μαρτίου 2004.**
7. Π. Ζήρος¹, I. Χαμπαίος^{1,2}, **Τ. Γεωργακόπουλος¹**, Ε.Κ. Μπάσδρα³, Α.Γ. Παπαβασιλείου¹. Η αυξητική ορμόνη παρεμβαίνει στην οστεοβλαστική διαφοροποίηση τροποποιώντας την αλληλεπίδραση των μεταγραφικών παραγόντων RUNX2/CBFA1 και STAT3β. ¹Εργαστήριο Βιοχημείας, Τμήμα Ιατρικής, Πανεπιστήμιο Πατρών, ²Παθολογική κλινική – Ενδοκρινολογική Μονάδα, Τμήμα Ιατρικής, Πανεπιστήμιο Πατρών, ³Εργαστήριο Ορθοδοντικής, Τμήμα Οδοντιατρικής, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης. **ΠΡΟΦΟΡΙΚΗ ΑΝΑΚΟΙΝΩΣΗ στο 31^ο ΕΤΗΣΙΟ ΠΑΝΕΛΛΗΝΙΟ ΙΑΤΡΙΚΟ ΣΥΝΕΔΡΙΟ (ΕΠΙΣ), Αθήνα, Μάιος 2005.**
8. **Georgakopoulos T**, Adamopoulos P, Argyropoulos C, Panagoulas J & Mouzaki A. 2005. Shared transcriptional regulation of the interleukin-2 gene and HIV-1 virus in T-helper lymphocytes. Βιβλίο Περιλήψεων, σελ. 320-321, **1^ο Συνέδριο Βιοεπιστημών Παν/ου Πατρών (Πάτρα, 5/2005).**
9. Panagoulas I, **Georgakopoulos T**, Gioldasi S, Stathatou D, Spadidea P, Sakellarakis P, de Lastic A-L, Farri-Kostopoulou E, Argyropoulos C & Mouzaki A. 2007. HIV-1 transcriptional regulation in different types of T helper human lymphocytes. Βιβλίο Περιλήψεων, σελ. 69, **2^ο Συνέδριο Βιοεπιστημών Παν/ου Πατρών (Πάτρα, 4/2007).**
10. Ioannis Panagoulas, Panagiota Spadidea, Maria Rodi, Fotios P. Panitsas, Eleni Lagadinou, Anne-Lise de Lastic, **Tassos Georgakopoulos**, Panagiota Matsouka and Athanasia Mouzaki. “Expression patterns of leptin receptor (OB-R) isoforms and direct in vitro effects of recombinant leptin on OB-R, leptin expression and cytokine secretion by human hematopoietic malignant cells” 20th Congress of the Hellenic Society of Haematology, **Hersonisos, Heraklion of Crete, Greece, 4-7 November 2009.**

EDUCATIONAL ACTIVITIES

1998 - present . Supervision of the Master and PhD Theses of a number of students at IMBB and University of Patras.

2001 - present. Teaching at the Graduate Program of Patras University Medical School.

2003 - 2007. Teaching at the Hellenic Open University (Cell biology, Biochemistry, Molecular Biology).