

## ΑΙΤΗΣΗ

υποψηφιότητας για θέση εξωτερικού μέλους  
του Συμβουλίου του Πανεπιστημίου Κρήτης



**Π Ρ Ο Σ :** Το ΠΡΥΤΑΝΙΚΟ ΣΥΜΒΟΥΛΙΟ

του Πανεπιστημίου

Κρήτης

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Με την αίτησή μου αυτή υποβάλλω υποψηφιότητα για θέση εξωτερικού μέλους του Συμβουλίου του Πανεπιστημίου Κρήτης γνωρίζοντας τις προϋποθέσεις που ορίζει ο ν. 4009/2011 (Φ.Ε.Κ. 195/06.09.2011, τ. Α') άρθρο 8, παράγραφος 5 για την υποβολή υποψηφιοτήτων, όπως τροποποιήθηκε από το άρθρο 2 του ν. 4076/2012 (ΦΕΚ 159/10.08.2012, τ. Α').

Όνομα και επώνυμο  
**Κωνσταντίνος Τσουκάς**

Όνομα πατέρα  
**Δημήτριος**

Όνομα μητέρας  
**Σοφία**

Ιδιότητα  
**Καθηγητής Ανοσολογίας**

Τόπος γέννησης  
**Αθήνα**

Έτος γέννησης  
**1947**

Τόπος μόνιμης κατοικίας  
**Σαν Ντιεγκο, Καλιфорνίας, ΗΠΑ**

**ΑΙΤΗΛΟΓΗΣΗ ΤΗΣ ΥΠΟΨΗΦΙΟΤΗΤΑΣ**

Με την παρούσα μου **αποστέλω**  
**ηλεκτρονικά:**

*α. τίτλους σπουδών*

*β. Υπόμνημα, το οποίο περιλαμβάνει πλήρες βιογραφικό σημείωμα και ανάλυση του έργου μου στα Αγγλικά*

*γ. υπεύθυνη δήλωση ότι δεν συντρέχουν στο πρόσωπό μου κωλύματα εκλογιμότητας*

In the past 30 years I have been involved in biomedical research, teaching, and administration. I have conducted research funded by the National Institutes of Health, USA, for all of my career years and have accomplished an internationally recognized reputation as indicated by my extensive list of publications in some of the highest cited journals. During my research career I have trained several students who are now running their own research in universities, research institutes, and pharmaceutical companies. I have taught my specialty, Immunology, for the past 25 years at both the undergraduate and graduate levels. Administratively, I have directed the Cell and Molecular Biology MS program of my Department that currently enrolls approximately 70 students from all over the world. In addition, I have served in grant review committees for the US government, reviewing applications for the National Institutes of Health. I have also been involved in departmental affairs such as recruitment committees, promotions and tenure, curriculum, and others. In summary, I believe that my past experience qualifies me as an external reviewer who can provide useful and constructive advice to the University of Crete in order to maintain an international reputation of teaching and research.

Τόπος / Ημερομηνία: Σαν Ντιεγκο, ΗΠΑ  
30/10/12

**ο δηλών**

**Κωνσταντίνος Τσουκας**

## CURRICULUM VITAE

### Constantine D. Tsoukas, Ph.D.

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**Personal:** Date of Birth: August 28, 1947  
Place of Birth: Athens, Greece  
(U.S. Citizen)  
Marital Status: Married to Dina Tsoukas  
Children: Two daughters (Sophia Desantis and Kallie Tettenburn)

### Education:

1968-1971 B.Sc., Biology, University of San Francisco, San Francisco, California  
1971-1975 Ph.D., Immunology-Pathology, University of California, San Francisco, California

### Professional Experience:

1971-1976 Graduate Research, Laboratory of Dr. Werner Rosenau, Department of Pathology, University of California, San Francisco, California  
1976-1978 Research Fellow, Laboratory of Dr. Eric Martz, Department of Pathology, Harvard Medical School, Boston, Massachusetts  
1978-1982 Research Fellow, Laboratory of Dr. John H. Vaughan Department of Clinical Research, Scripps Clinic and Research Foundation, La Jolla, California  
1982-1987 Assistant Professor, Department of Basic and Clinical Research, Scripps Clinic and Research Foundation, La Jolla, California  
1987-2006 Adjunct Associate Member, Department of Molecular and Experimental Medicine, Scripps Clinic and Research Foundation, La Jolla, California  
1987-1989 Associate Professor, Department of Biology and Molecular Biology Institute, San Diego State University, San Diego, California  
1989-present Professor, Molecular Biology Institute and Center for Microbial Studies, Department of Biology, San Diego State University, San Diego, California

### Research Interests:

## Signal transduction through the T cell receptor for antigen; Role of Protein Tyrosine Kinases

The broad focus of my research is the study of the cellular and molecular events involved in signaling through the T cell antigen receptor (TCR). In particular, we are interested on the role of specific protein tyrosine kinases in the signal transduction process.

Protein tyrosine kinases play critical roles in regulating signals initiated by the engagement of the T cell receptor for antigen (TCR). These kinases belong to various families such as Src, Syk, and Tec among others. The Tec family of protein kinases is one of the most recently discovered families that includes members such as the prototypical member Tec, as well as Btk, Rlk, Etk, and Itk. All of these proteins are specifically expressed in leukocytes. Itk, also known as Tsk or Emt, is expressed in T lymphocytes, Natural Killer cells, and Mast cells.

The biological significance of Itk in T cell biology has been demonstrated using both *in vivo* and *in vitro* models. Using mice with disrupted Itk genes (KO mice), investigators have demonstrated the importance of this kinase in both T cell development and activation. Itk KO mice display profound defects in TCR-induced signaling events (e.g. activation of PLC-gamma and intracellular Ca<sup>++</sup> mobilization) and in the development of CD4<sup>+</sup> T lymphocytes. These defects have consequences in the production of cytokines, particularly those produced by Th2 type of helper cells.

Recently, our laboratory discovered a novel role for Itk that entails its ability to regulate TCR-induced actin polymerization. This may involve the activation of an adaptor protein that is important in actin polymerization namely, the Wiskott-Aldrich Syndrome Protein (WASP). Interestingly, this function of Itk does not depend on its enzymatic activity, but rather on its ability to act as an adaptor protein. Thus, Itk appears to represent a novel paradigm of a tyrosine kinase that participates in signaling pathways not only by virtue of its catalytic properties, but also by its action as an adapter protein.

Currently, our laboratory is involved in the development of Itk FRET biosensors as tools to study conformational changes that ITK may undergo upon activation through the TCR. Initial studies indicate changes in FRET efficiency in the ITK biosensors upon the localization of ITK to the T cell-Antigen Presenting cell contact site thus, suggesting changes in ITK conformation. Furthermore, mutations in various ITK domains affect these changes in FRET efficiency.

In other studies, we are designing cell permeable synthetic peptides that act as competitive inhibitors of the interaction of ITK with other signaling partners. Currently, we have developed a cell-permeable synthetic peptide that is able to inhibit the interaction of ITK with the adaptor protein known as SLP-76. Treatment of cells and animals with this peptide significantly disrupts the TCR-mediated activation of ITK and cytokine production. In our most recent studies, we have utilized cell-permeable peptides in an attempt to inhibit the pathological consequences of bronchial asthma using an animal model of this disease.

We believe our research has the potential of providing basic insights into the signaling pathways in which Itk is involved that may, in the future, lead to the design of pharmacological interventions in immunological diseases.

### **Funded Research Projects:**

Dihydroxyvitamin D3 and Cellular Immunity; NIH AI21761

T cell Activation in Autoimmunity; NIH AR36010

Effects of Immunomodulatory Drugs on T lymphocyte Activation; DAMD17-85-R-0029  
Studies on C3d (CR2) Receptors on Thymocytes; NIH GM39518

Signal Transduction in T cells; NIH AI28364

Studies on AIDS Pathogenesis: EBV-host cell interaction EBV & AIDS; UARP R92-SDS-044

GTP binding proteins in T cell signaling; NIH AI38448

T cell activation; G protein-tyrosine kinase interaction; NIH GM56374

Tyrosine Kinases in Autoimmunity; NIH AR048848

Regulation of ITK in Lung Allergy; NIH AI082321

Generation of an ITK Biosensor Tool Box; NIH AI073636

**Conference/Seminar Presentations (last five years):**

Tsoukas C. Inducible T cell kinase (ITK); a regulator of T cell receptor-mediated actin reorganization. The Third Lymphocyte Signal Transduction Workshop, Crete, Greece, May 27-June 1, 2005.

Bueno C, Criado G, Baroja ML, Ferguson SS, Tsoukas C, Madrenas C. Characterization of an Lck-independent pathway of T-cell activation used by bacterial superantigens: Mechanistic and therapeutic implications on autoimmunity. 5<sup>th</sup> Annual Meeting of Federation of Clinical Immunology Societies, Boston, MA, May 12-16, 2005.

Tsoukas C. Inducible T Cell Kinase (ITK); a Regulator of T cell Receptor-mediated Actin Reorganization. Thirty first Annual La Jolla Immunology Conference. La Jolla, California, October 18-20, 2005.

Huang YH, Grasis J, Miller AT, Soonthornvacharin S, Tsoukas C, Cooke MP, Sauer K. IP<sub>4</sub> is essential for TCR signaling during positive selection. Lymphocyte Activation and Signaling, Keystone Symposia, Steamboat Springs, Colorado, January 6-11, 2006.

Sauer K, Chamberlain P, Grasis J, Miller A, Spraggon G, Tsoukas C, Cooke M, Huang Y. IP<sub>4</sub> is essential for TCR signaling during positive selection. Annual Meeting of the American Association of Immunologists, Boston, Massachusetts, May 12-16, 2006.

Huang YH, Grasis JA, Miller AT, Soonthornvacharin S, Tsoukas CD, Cooke MP, Sauer K. Production of the soluble Inositol-polyphosphate IP<sub>4</sub> by Inositol (1,4,5)-trisphosphate-3-kinase B is required for positive, but not negative selection of developing thymocytes. European Congress of Immunology, Paris, France, September 6-9, 2006.

Tsoukas CD, Grasis JA, Magotti P, Zhang R, Levytsky R, Guimond D, Lambris JD. TCR-mediated ITK function. The Fourth International Leukocyte Signal Transduction Workshop: Clinical implications of signaling pathways, Rhodes, Greece, June 3-8, 2007.

Grasis JA, Herman K, and Tsoukas CD. The Regulation of Inducible T cell Kinase by Cell-Penetrating Peptides. Thirty third Annual La Jolla Immunology Conference, La Jolla, California, October 9-11, 2007.

Tsoukas CD. Tyrosine Kinases in Lung Allergy; The Inducible T cell Kinase (ITK). Satellite Symposium on "Allergic Inflammation" during the 95<sup>th</sup> Annual Meeting of the American Association of Immunologists. La Jolla Institute for Allergy and Immunology, San Diego, California, April 4, 2008

Huang YH, Grasis JA, Miller AT, Xu R, Soonthornvacharin S, Andreotti AH, Tsoukas CD, Cooke MP and Sauer K. Positive regulation of Itk PH domain function by soluble IP4 is required for thymocyte positive selection but dispensable for negative selection. 95<sup>th</sup> Annual Meeting, American Association of Immunologists, San Diego, California, April 5-9, 2008.

Grasis JA\*, Guimond DM\*, Cam NR\*, Herman K\*, Magotti P, Lambris JD, and Tsoukas CD. Signaling through the inducible T cell Kinase. The Fifth Leukocyte Signal Transduction Workshop, Crete, Greece, June 13-18, 2009.

Levytskyy RM and Tsoukas CD. Spatiotemporal behavior, intracellular signaling and interactions of Itk in T cells. 36<sup>th</sup> La Jolla Immunology Conference, La Jolla, CA, USA. October 12-14, 2010.

Grasis JA\*\*, Guimond DM\*\*, Cam NR\*\*, Lambris JD, and Tsoukas CD. Regulation of the Inducible T cell Kinase in Lung Allergy. The Sixth Leukocyte Signal Transduction Workshop, Crete, Greece, June 5-10, 2011.

### **Membership to Professional Organizations:**

1981-Present	Member, American Association of Immunologists
1981-Present	Member, Federation of American Societies for Experimental Biology
1981-Present	Member, International Union of Immunological Societies
1985-Present	Member, American Association for the Advancement of Science
1997-Present	Member, American Society of Biochemistry and Molecular Biology

### **Service to Professional Journals:**

Referee for Journal of Immunology, Journal of Clinical Investigation, Immunopharmacology, Arthritis and Rheumatism, Proceedings of the National Academy of Sciences, Journal of Clinical Immunology, Immunology Letters, Blood, Molecular Immunology, Trends in Immunology

Reviewer of "Immunology; an Introduction" Third Edition, by Ian Tizard

Editorial board member, "Clinical Immunology"

Editorial board member, "Current Immunology Reviews"

### **Service to Professional Organizations:**

Chair, Organizing Committees, 1<sup>st</sup>-4<sup>th</sup> Lymphocyte Signal Transduction Workshops, Greece

Co-Chair, Organizing Committees, 5<sup>th</sup> and 6<sup>th</sup> Lymphocyte Signal Transduction Workshops, Greece

Ad hoc reviewer for National Institutes of Health (Hypersensitivity, Autoimmunity, Immune Mediated Diseases, HAI study section),

Ad hoc reviewer for National Science Foundation

Ad hoc reviewer for Binational Science Foundation

Member of Immunology Study Section, Veterans Administration, Merit Program

Scientific Advisory Board, Aegean Conferences ([www.aegeanconferences.org](http://www.aegeanconferences.org))

## Publications:

1. Tsoukas CD: Human lymphotoxin: Studies on its mechanism of action. Ph.D. Dissertation. U of CA, San Francisco, 1976.
2. Tsoukas CD, Rosenau W, Baxter JD: Cellular receptors for lymphotoxin: Correlation of binding and cytotoxicity in sensitive and resistant target cells. *J. Immunol* 116:184-187, 1976.
3. Rosenau W, Tsoukas CD: Lymphotoxin: A review and analysis. *Amer J Pathol* 84:580-596, 1976.
4. Tsoukas CD, Rosenau W: Inhibition of lymphotoxin- and lymphocyte-mediated cytotoxicity by high molecular weight dextran. *Proc Soc Exp Biol Med* 154:215-218, 1977.
5. Tsoukas CD, Martz E: Simultaneous suppression of allogeneic cytolytic activity and stimulation of lectin dependent cytolytic activity by Con A. *Cell Immunol* 40:103-116, 1978.
6. Tsoukas CD, Carson DA, Fong S, Pasquali J-L, Vaughan JH: Cellular requirements for pokeweed mitogen induced autoantibody production in rheumatoid arthritis. *J. Immunol* 125: 1125-1129, 1980.
7. Pasquali J-L, Fong S, Tsoukas CD, Vaughan JH, Carson DA: Inheritance of immunoglobulin M rheumatoid factor idiotypes. *J.Clin Invest* 66:863-866, 1980.
8. Fong S, Pasquali J-L, Tsoukas CD, Vaughan JH, Carson DA: Age-related restriction of the light chain heterogeneity of anti-IgG antibodies induced by Epstein-Barr virus stimulation of human lymphocytes in vitro. *Clin Immunol Immunopathol* 18:344-350, 1981.
9. Pasquali J-L, Fong S, Tsoukas CD, Hench PK, Vaughan JH, Carson DA: Selective lymphocyte deficiency in seronegative rheumatoid arthritis. *Arthritis Rheum* 24:770-773, 1981.
10. Tsoukas CD, Fox RI, Slovin SF, Carson DA, Pellegrino M, Fong S, Pasquali J-L, Ferrone S, Kung P, Vaughan JH: T lymphocyte-mediated cytotoxicity against autologous EBV-genome-bearing B cells. *J Immunol* 126:1742-1746, 1981.
11. Fong S, Tsoukas CD, Frincke LA, Lawrance SK, Holbrook TL, Vaughan JH, Carson DA: Age-associated changes in Epstein-Barr virus induced human lymphocyte autoantibody responses. *J. Immunol* 126:910-914, 1981.
12. Fong S, Tsoukas CD, Pasquali J-L, Fox RI, Rose JE, Raiklen D, Carson DA, Vaughan JH: Fractionation of human lymphocyte subpopulations on immunoglobulin coated petri dishes. *J. Immunol Methods* 44:171-182, 1981.
13. Carson DA, Pasquali J-L, Tsoukas CD, Fong S, Slovin SF, Lawrance SK, Slaughter L, Vaughan JH: Physiology and pathology of rheumatoid factors. *Springer Semin Immunopathol* 4:161-179, 1981.
14. Pasquali J-L, Fong S, Tsoukas CD, Slovin SF, Vaughan JH, Carson DA: Different populations of rheumatoid factor idiotypes induced by two polyclonal B cell activators, pokeweed mitogen and Epstein-Barr virus. *Clin Immunol Immunopathol* 21:184-189, 1981.
15. Fong S, Fox RI, Rose JE, Liu J, Tsoukas CD, Carson DA, Vaughan JH: Solid-phase selection of human T lymphocyte subpopulations using monoclonal antibodies. *J. Immunol Methods*. 46:153-163, 1981.



16. Pasquali J-L, Tsoukas CD, Fong S, Carson DA, Vaughan JH: Effect of Levamisole on pokeweed mitogen stimulation of immunoglobulin production in vitro. *Immunopharmacology*. 3:289-298, 1981.
17. Seybold M, Tsoukas CD, Lindstrom J, Fong S, Vaughan JH: Acetylcholine receptor antibody production during leukoplasmapheresis for Myasthenia Gravis. *Arch Neurol* 39:433-435, 1982.
18. Slovin SF, Frisman DM, Tsoukas CD, Royston I, Baird SM, Wormsley SB, Carson DA, Vaughan JH. Membrane antigen on Epstein-Barr virus infected human B cells recognized by a monoclonal antibody. *Proc Natl Acad Sci USA* 79:2649-2653, 1982.
19. Tsoukas CD, Carson DA, Fong S, Slovin SF, Fox RI, Vaughan JH: Lysis of autologous Epstein-Barr virus infected B cells by cytotoxic T lymphocytes of rheumatoid arthritis patients. *Clin Immunol Immunopathol* 24:8-14, 1982.
20. Tsoukas CD, Fox RI, Carson DA, Fong S, Vaughan JH: Molecular interactions in human T-cell-mediated cytotoxicity to Epstein-Barr virus. I. Blocking of effector cell function by monoclonal antibody OKT3. *Cell Immunol* 69:113-121, 1982.
21. Fong S, Miller JJ III, Moore TL, Tsoukas CD, Vaughan JH, Carson DA: Frequencies of Epstein-Barr virus inducible IgM anti-IgG B lymphocytes in normal children with juvenile rheumatoid arthritis. *Arthritis Rheum* 25:959-965, 1982.
22. Tsoukas CD, Carson DA, Fong S, Vaughan JH: Molecular interactions in human T cell mediated cytotoxicity to EBV. II. Monoclonal antibody OKT3 inhibits a post-killer-target recognition/adhesion step. *J. Immunol* 129:1421-1425, 1982.
23. Fong S, Vaughan JH, Tsoukas CD, Carson DA: Selective induction of autoantibody secretion in human bone marrow by Epstein-Barr virus. *J. Immunol* 129:1941-1945, 1982.
24. Martz E, Parker WL, Gately MK, Tsoukas CD: The role of calcium in the lethal hit of T lymphocyte-mediated cytotoxicity. *Adv Exp Biol Med* 146:121-143, 1982.
25. Lakow E, Tsoukas CD, Vaughan JH, Altman A, Carson DA: Human T cell hybridomas specific for Epstein-Barr virus-infected B lymphocytes. *J Immunol* 130:169-172, 1983.
26. Provvedini DM, Tsoukas CD, Deftos LJ, Manolagas SC: 1,25-Dihydroxyvitamin D<sub>3</sub> receptors in human leukocytes. *Science* 221:1181-1183, 1983.  
*This publication was identified as "Classic" by Science journal*
27. Manolagas SC, Provvedini DM, Tsoukas CD, Deftos LJ: 1,25(OH)<sub>2</sub>D<sub>3</sub> receptors and effects on leukocytes: Novel evidence for an immunoregulatory role of the hormone. In: *Endocrine control of bone and calcium metabolism*. Cohn DV, Fujita T, Potts JT Jr, Talmage RV (eds.): p. 338-341. Elsevier Science Publishers, Amsterdam 1984.
28. Lakow EA, Valentine MA, Vaughan JH, Tsoukas CD, Carson DA: Effects of monoclonal antibodies against lymphocyte surface antigens on interleukin 2 excretion by Epstein-Barr virus-specific human T-cell hybridomas. *Cell Immunol* 85:67-74, 1984.
29. Fox RI, Fong S, Tsoukas CD, Vaughan JH: Characterization of recirculating lymphocytes in rheumatoid arthritis patients: Selective deficiency of natural killer cells in thoracic duct lymph. *J. Immunol* 132:2883-2887, 1984.
30. Tsoukas CD, Provvedini DM, Manolagas SC: 1,25-Dihydroxyvitamin D<sub>3</sub>: A novel immunoregulatory hormone. *Science* 224:1438-1440, 1984.  
*This publication was identified as "Classic" by Science journal*

31. Tsoukas CD, Lambris J, Lotz M, Valentine MA, Vaughan JH, Carson DA: Lymphocyte mitogenesis induced by monoclonal antibodies to the T3 complex. Differential modulation by human IgG. *Cell. Immunol* 89:66-74, 1984.
32. Tsoukas CD, Valentine M, Lotz M, Vaughan JH, Carson DA: The role of the T3 molecular complex in antigen recognition and subsequent activation events. *Immunol Today* 5:311-313, 1984.
33. Vaughan JH, Fox RI, Abresch RJ, Tsoukas CD, Curd JG, Carson DA: Thoracic duct drainage in rheumatoid arthritis. *Clin Exp Immunol* 58:645-653, 1984.
34. Tsoukas CD, Valentine MA, Vaughan JH, Carson DA: Control of human T cell activation by monoclonal antibodies to the T3 complex. In: *Advances in gene technology: Molecular biology of the immune system 2nd edition*. Streilein JW, Ahmad F, Black S, Blomberg B, Voelky RW (eds.): page 329. Cambridge University Press, Cambridge 1985.
35. Valentine MA, Carson DA, Vaughan JH, Tsoukas CD: Characterization of antibodies raised against peptide sequences of the beta chain of the human T cell antigen receptor. In: *Advances in Gene Technology: Molecular Biology of the Immune System 2nd Edition*. Streilein JW, Ahmad F, Black S, Blomberg B, Voelky RW (eds.): page 331. Cambridge University Press, Cambridge 1985.
36. Tsoukas CD, Valentine MA, Lotz M, Vaughan JH, Carson DA: The role of the T3 molecular complex on human T lymphocyte-mediated cytotoxicity. *Adv Exp Med Biol* 184:365-385, 1985.
37. Tsokos GC, Inghirami G, Balow JE, Tsoukas CD, Lambris JD: Regulation of immunoglobulin secretion by human B cells in vitro by factor H. *Immunology*, 55:419-426, 1985.
38. Lotz M, Tsoukas CD, Fong S, Carson DA, Vaughan JH: Regulation of Epstein-Barr virus infections by recombinant interferon. Selected sensitivity to interferon-gamma. *Eur J Immunol* 15:520-525, 1985.
39. Tsoukas CD, Landgraf B, Bentin J, Valentine M, Lotz M, Vaughan JH, Carson DA: Activation of resting T lymphocytes by anti-CD3(T3) antibodies in the absence of monocytes. *J. Immunol* 135:1719-1723, 1985.
40. Valentine MA, Tsoukas CD, Rhodes G, Vaughan JH, Carson DA: Phytohaemagglutinin binds to the 20 kilodalton molecule of the T3 complex. *Eur J. Immunol* 15:851-854, 1985.
41. Valentine MA, Tsoukas CD, Vaughan JH, Carson DA: Characterization of Epstein-Barr virus-specific T-cell hybridomas derived from infectious mononucleosis. *Clin Immunol Immunopathol* 37:56-62, 1985.
42. Manolagas SC, Provvedini DM, Tsoukas CD: Interactions of 1,25-dihydroxyvitamin D3 and the immune system: *Mol Cell Endocrinol* 43:113-122, 1985.
43. Provvedini DM, Tsoukas CD, Deftos LJ, Manolagas SC: 1,25-dihydroxyvitamin D3-binding macromolecules in human B lymphocytes: Effects on immunoglobulin production. *J Immunol* 136:2734-2740, 1986.
44. Lotz M, Tsoukas CD, Fong S, Dinarello CA, Carson DA, Vaughan JH: Release of lymphokines following Epstein-Barr virus infection in vitro. I. sources and kinetics of production of interferons and interleukins in normal humans. *J Immunol* 136:3636-3642, 1986.

45. Lotz M, Tsoukas CD, Fong S, Dinarello CA, Carson DA, Vaughan JH: Release of lymphokines following infection with Epstein-Barr virus in vitro. II. A monocyte dependent inhibitor of interleukin-1 downregulates the production of interleukin-2 and gamma interferon in rheumatoid arthritis. *J. Immunol* 136:3643-3648, 1986.
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47. Lotz M, Tsoukas CD, Robinson CA, Dinarello CA, Carson DA, Vaughan JH: Basis for defective responses of rheumatoid arthritis synovial fluid lymphocytes to anti-CD3 (T3) antibodies. *J Clin Invest* 78:713-721, 1986.
48. Manolagas SC, Werntz DA, Tsoukas CD, Provvedini DM, Vaughan JH: 1,25-Dihydroxyvitamin D3 receptors in lymphocytes from patients with rheumatoid arthritis. *J Lab Clin Med* 108:596-600, 1986.
49. Manolagas SC, Provvedini DM, Murray EJ, Tsoukas CD, Deftos LJ: The antiproliferative effect of calcitriol on human peripheral blood mononuclear cells. *J Clin Endocrinol Metab.* 63:394-400, 1986.
50. Lotz M, Tsoukas CD, Hench PK, Carson DA, Vaughan JH: Release of lymphokines following Epstein-Barr virus infection in vitro of blood lymphocytes from patients with autoimmune diseases. *Trans. Assoc. Amer. Physic.* 99:114-124, 1986.
51. Tsoukas CD, Landgraf B, Bentin J, Lamberti JF, Carson DA, Vaughan JH: Structural and functional characteristics of the CD3 (T3) molecular complex on human thymocytes. *J. Immunol.*138:3885-3890, 1987.
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53. Lotz M, Tsoukas CD, Curd JG, Carson DA, Vaughan JH: Effects of recombinant human interferons on rheumatoid arthritis B cells activated by Epstein-Barr virus. *J. Rheumatol.* 14:42-45, 1987.
54. Provvedini DM, Rulot CM, Sobol RE, Tsoukas CD, Manolagas SC: 1a,25-Dihydroxyvitamin D3 receptors in human thymic and tonsillar lymphocytes. *J. Bone and Mineral Res.* 2:239-247, 1987.
55. Bentin J., Vaughan JH, Tsoukas CD: T cell proliferation induced by anti-CD3 antibodies: Requirement for a T-T cell interaction. *Eur. J. Immunol.* 18:627-632, 1988.
56. Lotz M, Jirik F, Kabouridis P, Tsoukas C, Hirano T, Kishimoto T, Carson DA. B cell stimulating factor 2/interleukin 6 is a costimulant for human thymocytes and T lymphocytes. *J. Exp. Med.* 167:1253-1258, 1988.  
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57. Tsoukas CD, Lambris JD. Expression of CR2/EBV receptors on human thymocytes detected by monoclonal antibodies. *Eur. J. Immunol.* 18:1299-1302, 1988.
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**Highly Cited Papers:** Based on their cited frequency, paper #26 (Science 221:1181-1183, 1983) and #30 (Science 224:1438-1440, 1984) have been identified as "Classics" by Science journal, and paper #56 (J. Exp. Med. 167:1253-1258, 1988) has been identified as "Citation Classic" by the Institute of Scientific Information.

### Student Advisees

Sabine Escobar	2/87 to 7/93	M.S.
Dianne Anderson	3/87 to 5/89	M.S.
Pannos Kabouridis	6/87 to 1/95	M.S, Ph.D.
Mike Pratt	9/87 to 12/87	Undergraduate
Michelle Francoeur, Ph.D.	12/87 to 7/88	Visiting Scientist
Rico Sakuyama, M.D.	2/88 to 6/88	Visiting Scientist
Catherine Speiser	5/89 to 5/91	M.S.
Amy Sprenkle	2/89 to 5/89	Doctoral Rotation
Joseph Hedrick	6/89 to 3/95	Ph.D.
Michael Hoerres	9/88 to 5/91	M.S.
Rick Rappaport	9/89 to 5/90	Undergraduate
Suman Sinha	9/90 to 8/92	M.S.
Jack Stanners	9/91 to 6/96	Ph.D.
Melissa Bourne	9/91 to 12/91	Undergraduate
Scott Todd	1/92 to 6/96	Ph.D.
Sam Waters	6/92 to 6/94	M.S.
Arlene Hipolito	8/92 to 6/93	Undergraduate
Stephanie Lipps	6/93 to 7/95	M.S.
Hector Venenzuela	9/93 to 6/94	Undergraduate
Jennifer Walrath	9/93 to 12/93	Undergraduate
Jie Zhou M.D., Ph.D.	9/94 to 7/97	Visiting Scientist
Keith Ching	9/94 to 6/00	Ph.D.
Hyunsil Han	6/95 to 1/97	Ph.D. (transferred to other program)
Paul Shanahan	9/95 to 12/95	Doctoral Rotation
Jules Chen	1/96 to 4/96	Doctoral Rotation
Juris Grasis	9/01 to 12/08	Ph.D.
Juris Grasis	12/08 to 12/10	Post-doc
Gloria Machado	4/97 to 9/00	M.S.

Ilse VonReis	4/97 to 7/97	Doctoral Rotation	
Warren Soward	4/97 to 6/97	Doctoral Rotation	
Glen Story	6/97 to 12/97	Undergraduate	
Amy Hasegawa/Bathke	9/97 to 9/03	Ph.D.	
Jessica Hayden	1/98 to 3/98	Doctoral Rotation	
Zhengyu Ni	1/98 to 5/98	Doctoral Rotation	
Holly Kim	2/99 to 5/99	Doctoral Rotation	
Cynthia Lehman	2/99 to 8/99	Undergraduate	
Cecille Browne	10/99 to 1/02	M.S.	
Julia Meller	9/00 to 1/01	Doctoral Rotation	
Zerla Cruz	2/01 to 7/01	Undergraduate	
Marc Herrmann	7/01 to 8/01	Undergraduate	
Gerardo Perez	9/01 to 9/03	MS	
Mei(Maria) Guo	2/02 to 3/02	Doctoral Rotation	
Patricia Bettinger	9/02 to 5/05	MS	
David Guimond	1/04 to 9/12	Ph.D.	
Krystal Smelter Herman	1/04 to 5/04	Undergraduate	6/04 to
6/07	M.S.		
Nicholas Cam	6/04 to 8/04	Undergraduate	
Nicholas Cam	6/09 to 12/12	MS	
Sonya Korda (Levy)	9/04 to 5/06	MS	
Zachary (Zach) MacDonald	9/05 to 5/06	Undergraduate	
Runquan (Ritz) Zhang	9/05 to 5/07	MS	
Roman Levytskyy	1/06 to 12/12	Ph.D.	
Alexa Spilsbury	1/08 to 5/08	U	
Roma Munday	1/08 to 5/08	U	
Hirve, Nupur	4/09 to 6/12	G	
Rudy, Jason	6/09 to 2/10	G	
Mike Virata	10/09 to 1/10	Visiting Scientist	

### **Courses taught (last five years)**

Biology 485, Principles of Immunology; Spring 2005, Fall2005, Fall 2006, Fall 2007, Fall 2008, Fall 2009, Fall 2010

Biology 585, Cellular and Molecular Immunology; Spring 2007, Spring 2008  
Spring 2009, Spring 2010, Spring 2011

### **Committee Service**

Virologist/Immunologist Recruitment (2005)

CMBPA PRC (2004-2006)

University Promotion, Tenure, and Retention Committee (2005-2006)

Joint Doctoral Program Selection (2006)

Department of Biology PRC (2007-2009)

Department of Biology post-tenure review (2009)

Department of Biology Curriculum (2008-2009)

Institutional Biosafety Committee (2006 to date)

Chair, MS Admissions Committee (2003 to date)

Academic Advisor, MS program in Cellular and Molecular Biology (2003 to date)

Various MS and PhD qualifying committees

## **ΥΠΕΥΘΥΝΗ ΔΗΛΩΣΗ:**

Είναι σε γνώση μου ότι για την εκλογή εξωτερικού μέλους του Συμβουλίου απαιτείται η ευρεία αναγνώριση του υποψηφίου στην επιστήμη, στα γράμματα ή τις τέχνες και ότι ο υποψήφιος θα πρέπει να διαθέτει αυξημένα τυπικά προσόντα και τουλάχιστον πτυχίο ημεδαπού ή αναγνωρισμένου αλλοδαπού Ανώτατου Εκπαιδευτικού Ιδρύματος.

Γνωρίζω επίσης ότι κωλύονται να εκλεγούν ως εξωτερικά μέλη πρόσωπα τα οποία είχαν οποιαδήποτε οικονομική συναλλαγή με σκοπό το κέρδος με το Ίδρυμα την τελευταία πενταετία, καθώς και οι εν ενεργεία καθηγητές Α.Ε.Ι. της ημεδαπής ή οι συνταξιούχοι καθηγητές του ιδίου Α.Ε.Ι..

Τόπος / Ημερομηνία: Σαν Ντιεγκο, ΗΠΑ 30/10/12

ο δηλών

**Κωνσταντίνος Τσουκας**