

BIOGRAPHICAL SKETCH

NAME TSATSANIS, Christos	POSITION TITLE Associate Professor (Tenured)
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EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
University of Athens Biology Dept., Athens, Greece	BSc	1987-1991	Biology
University of Glasgow, Scotland and U. of Crete, Greece	PhD	1991-1995	Molecular Oncology
Fox Chase Cancer Center, Philadelphia, PA, USA	Post Doc Fellow	1995-1998	Immunology
Thomas Jefferson University, Philadelphia, PA, USA	Post Doc Fellow	1998-1999	Immunology

PROFESSIONAL DEGREES AND CERTIFICATIONS

1991	BSc in Biology, University of Athens
1995	PhD, University of Crete Medical School
2007 – present	European Specialist in Laboratory Medicine (Reg No: 2021/07), European Communities Confederation of Clinical Chemistry and Laboratory Medicine Register Commission

RESEARCH AND PROFESSIONAL EXPERIENCE

1991-1995	Graduate Student at the University of Glasgow, UK and Medical School, University of Crete, Greece
1995-1998	Postdoctoral Associate, Dept. of Medical Oncology, Fox Chase Cancer Center, Philadelphia, PA, USA
1998-1999	Postdoctoral Fellow, Dept. of Microbiology and Immunology, Kimmel Cancer Center, Thomas Jefferson University, Philadelphia, PA, USA
1999-2000	Military Service, Supervisor at the Laboratory of Clinical Biochemistry and Microbiology, Rhodes Military Hospital, Rhodes, Greece
2001-present	Faculty Member (2001-2005 Lecturer; 2005-2011 Assistant Professor; 2011-present Associate Professor), Clinical Chemistry Laboratory, Dept. of Laboratory Medicine, Medical School, University of Crete, Heraklion, Crete, Greece
3/2001-5/2001	Visiting Scientist, Dept. of Life Sciences, Lawrence Berkeley National Laboratories, University of California, Berkeley, CA, USA
3/2002-5/2002	Visiting Scientist, Kimmel Cancer Center, Thomas Jefferson University, Philadelphia, PA, USA
1/2004-5/2004	Visiting Scientist, TUFTS-New England Medical Center, Boston, MA, USA
7/2008-6/2009	Visiting Assistant Professor, TUFTS-New England Medical Center, Boston, MA, USA
2001-2014	Staff member, Clinical Chemistry-Biochemistry Laboratory, University General Hospital of Heraklion, Heraklion, Crete, Greece
2014 – present	Head, Clinical Chemistry-Biochemistry Laboratory, University General Hospital of Heraklion, Heraklion, Crete, Greece
3/2014 – present	Vice Dean, Medical School University of Crete, Heraklion, Greece

ADMINISTRATIVE DUTIES

2001-2003	Member of the Research Committee, School of Medicine, University of Crete
2001-2002	Member of the Senate of the University of Crete as representative of the School of Medicine
2003-2014	Member of the Academic Affairs committee, School of Medicine, University of Crete
2003-2014	Member of the Undergraduate studies committee, School of Medicine, University of Crete
2003-2009	Member of the Laboratory Animal Care committee, School of Medicine, University of Crete
2009-2014	Head of the Laboratory Animal Care committee, School of Medicine, University of Crete
2014- present	Member of the Research Committee of the University of Crete as representative of the Medical School
2014-present	Associate Editor, Journal of Immunology

SUPERVISION OF PhD THESIS

Anna Christoforidou, MD (2003-2007)	The role of Tpl2, Pim1 και Gfi1 in hematologic neoplasias. Awarded: 2007. Current Position: Attending, Hematology Dept, University Hospital of Thrace, Alexandroupolis, Greece.
Ariadne Androulidaki, BSc, (2003-2007)	The role of neuropeptides of CRF family in inflammation. Current Position: Postdoctoral EMBO Fellow, University of Cologne, Germany
Vassiliki Zacharioudaki, BSc, MSc (2005-2009)	Adiponectin as a modulator of inflammatory responses Awarded: 2009. Current Position: Postdoctoral Fellow, Vrije University, Brussels, Belgium.
Christina Doxaki, BSc, MD (2009-2015)	Regulation of miRNA expression during inflammation and their role in endotoxin tolerance.
Eleni Vergadi, MD, MSc (2010-2015)	Contribution and regulation of M1/M2 macrophages in lung inflammation
Eleftheria Ieronymaki, BSc, MSc (2011-present)	The role of Insulin in macrophage polarization and metabolism
Konstantina Lyroni BSc, MSc (2012-present)	The impact of adipokines on inflammatory pathologies

SUPERVISION OF POSTDOCTORAL FELLOWS

Ariadne Androulidaki, PhD, 2007-2009	Supported by AICR. Current Position: Postdoctoral EMBO Fellow, University of Cologne, Germany
Alicia Arranz de Miguel, PhD 2008-2011	Supported by US-DOD and a fellowship from the Spanish secretariat of Research. Current Position: Marie Curie Fellow, Dept of Immunology, University of Zurich, Switzerland.
Yeny Martinez de la Torre, PhD, 2010-2012	Marie Curie Fellow, supported by FP7 TACIT; Current Position: Postdoctoral Fellow, University of Barcelona, Spain
Ismi Alexaki 2011	Supported by FP7 TACIT; Current Position: Researcher, Dresden University, Germany
C. Deligianni, PhD (2012-2014)	Supported by FP7-REGPOT

RESEARCH FUNDING AS PRINCIPAL INVESTIGATOR

1. PENED 2001- Hellenic Secretariat of Research and Technology (September 2002-April 2006): Development of a CRHR2 antagonist for studies on regulation of the stress-immune system axis (€ 44,000)
2. Association for International Cancer Research (UK) (April 2003 - March 2006): Immunomodulation by tumor derived neuropeptides (€ 110,000)
3. Hellenic Ministry of Education Grant EPEAEKII-Pythagoras (May 2005 – April 2007). Involvement of CRF peptides in the proliferation and motility of endothelial and breast cancer cells. (€ 60,000)
4. PENED 2005- Hellenic Secretariat of Research and Technology (January 2006-December 2008): The role of CRH in inflammation and angiogenesis (€ 152,000)
5. Association for International Cancer Research (UK) (April 2007 - March 2010): Immunomodulation by tumor derived neuropeptides; the role of CRF (€ 131,000)
6. US-Department of Defense Breast Cancer Research Program, Concept Award (September 2007- September 2008): The impact of stress on tumor growth; the role of peripheral CRF (\$97,000)
7. Novosom AG (Germany) (2007-2011): The role of CD40 in inflammatory diseases (€ 40,000)
8. EU, FP7- IAPP (EU-FP7) (2009-2013): Targeted Amphoteric Carriers for Immune Therapy (TACIT) (€200,000-partner budget)
9. Molecular Diagnostics (2009-present): Diagnostic services through the Univ. of Crete Research Account (€15000)
10. Determination of cytokines and chemokines; service providing through the Univ. of Crete Research Account (€30000)
11. Association for International Cancer Research (UK) (June 2011 – May 2014): Immunomodulation against cancer; the role of Akt kinases (€ 150,000)
12. Hellenic Ministry of Education Grant THALIS (Jan2012-Sept 2015). FATVESSEL; (€90,000-partner budget)
13. Hellenic Ministry of Education Grant EXCELLENCE (June 2012 – Sept 2015) IMMUNOMETABOLISM (€178,000)

SELECTED PUBLICATIONS (out of 81, h-index=28, citations=2900)

1. C. Tsatsanis, C. Patriotis, S.E. Bear and P. N. Tsihchlis. The Tpl-2 protooncogene activates NFAT and induces IL-2 expression in T-cells. 1998 *Proc. Natl. Acad. Sci. USA* 95:3827-3832
2. C. D. Dumitru, J.D. Ceci, C. Tsatsanis, D. Kontoyiannis, K. Stamatakis, J-H Lin, C. Patriotis, G. Kollias, N.A. Jenkins, N.G. Copeland and P.N. Tsihchlis. TNF- α induction by LPS is regulated posttranscriptionally via a Tpl-2/ERK-dependent pathway. 2000 *Cell* 103:1071-1083.
3. Tsatsanis C, Vaporidi K, Zacharioudaki V, Androulidaki A, Sykulev Y, Margioris AN, Tsihchlis PN. Tpl2 and ERK transduce anti-proliferative T cell receptor signals and inhibit transformation of chronically-stimulated T cells. 2008 *Proc. Natl. Ac. Sci. USA*, 105:2987-2992
4. Arranz A., Androulidaki A., Zacharioudaki V., Martinez C. Margioris AN, Gomariz RP and Tsatsanis C. (2008) Vasoactive Intestinal Peptide suppresses Toll-Like Receptor 4 expression in macrophages via Akt1 reducing their responsiveness to Lipopolysaccharide *Mol. Immunol.* 2008 May;45(10):2970-80
5. Zacharioudaki V, Androulidaki A, Arranz A, Margioris AN and Tsatsanis C. Adiponectin promotes endotoxin tolerance in macrophages by inducing IRAK-M. *J. Immunol.* 2009 182(10):6444-51
6. Androulidaki A, Iliopoulos D, Arranz A, Doxaki C, Schworer S, Zacharioudaki V, Margioris AN, Tsihchlis PN, Tsatsanis C. The kinase Akt1 controls macrophage response to lipopolysaccharide by regulating microRNAs. *Immunity.* 2009 Aug 21;31(2):220-31
7. Arranz A., Doxaki C., Vergadi E., Martinez Y., Vaporidi K., Vanihaki M., Lagoudaki E., Stathopoulos E., Margioris A., Tsihchlis PN and Tsatsanis C. Akt1 and Akt2 differentially contribute to macrophage polarization. *Proc. Natl. Acad. Sci. USA*, 2012 109(24):9517-22
8. Serebrennikova, O.B., Tsatsanis, C., Mao, C., Gounaris, E., Ren, W., Siracusa, L.D., Eliopoulos, A.G., Khazaie, K., and Tsihchlis, P.N. Tpl2 ablation promotes intestinal inflammation and tumorigenesis in Apcmin mice by inhibiting IL-10 secretion and regulatory T-cell generation. *Proc Natl Acad Sci U S A*, 2012, 109, E1082-1091.

9. A. Arranz, C. Reinsch, K., A. Papadakis, A. Dieckmann, U. Rauchhaus, A. Androulidaki, V. Zacharioudaki, A. N. Margioris, C. Tsatsanis* and S Panzner. Treatment of experimental murine colitis with CD40 antisense oligonucleotides delivered in amphoteric liposomes. *J Controlled Release*, 2013 165(3):163-72 (*Corresponding author)
10. I. Karakasilioti, I. Kamileri, T. Kosteas, E. Vergadi, A. Rasile-Robinson S.Siakouli, C. Tsatsanis, L. Niedernhofer and G. A. Garinis. DNA damage triggers a chronic auto-inflammatory response leading to fat depletion in NER progeria. *Cell Metab.* 2013, 18(3):403-15
11. E. Vergadi, K Vaporidi, E Theodorakis, C Doxaki, E Lagoudaki, E Ieronymaki, V I. Alexaki, M Helms, E Kondili, B Soennichsen, E N. Stathopoulos, A N. Margioris; D Georgopoulos and C Tsatsanis Akt2 deficiency protects from acute lung injury via alternative macrophage activation and miR-146a induction *J. Immunol.* 2014;192(1):394-406
12. C. Tsatsanis, J Bobjer, H Rastkhani, E. Dermitzaki, M Katrinaki, A N. Margioris, Y Lundberg Giwercman, A Giwercman. Serum miR-155 as a potential biomarker of male fertility *Hum Reproduction.* 2015; 30(4):853-60