

Curriculum Vitae

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BA, MS, MPhil, PhD, MD, FAAAAI
(Hon. Doctor of Medicine, Hon. Doctor of Science)**

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**Adjunct Professor of Immunology
Tufts University School of Medicine**

***Frm Professor of Immunology and Pharmacology
and Director, Laboratory of Immunopharmacology and Drug Discovery
Tufts University School of Medicine, Boston, MA USA***

***Clinical Pharmacologist, Massachusetts
Drug Formulary Commission (1986-2022)***

May 8, 2025

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Personal Information

Date of Birth: February 11, 1950 Nationality: USA, Greek

Place of Birth: Thessaloniki, Greece Permanent Residency: USA since 8/3/79

Marital Status: Married to Maria Theoharides, BSc '18 (Hons, Greenwich University, London, UK);
MEd '21 (Lesley University, Cambridge, MA, USA); MBA '26 (Miami University, FL, USA)

Children: Niove, BA (Tufts University '10); MA (Columbia Teachers College '14)- ENL Teacher at Gotham Collaborative High School (formerly known as Pablo Neruda Academy), NY.

Konstantinos, BS (Case Western Reserve University '12); Intl MA Sports Management (Johan Cruyff Institute, Barcelona, Spain '14)- International Soccer at Actyvos Group, Barcelona, Spain.

Education

9/62-5/68	Diploma	Anatolia College	Classics <i>with Honors</i>
9/68-5/72	Bachelor of Arts (jointly in two fields)	Yale University	Biology and History of Science & Medicine, <i>Cum laude</i>
9/72-12/78	Master of Science	Yale University	Neuroimmunology
9/73-12/78	Master of Philosophy	Yale University	Immunopharmacology
9/73-5/78	Doctor of Philosophy	Yale University	Pharmacology
5/78-12/83	Doctor of Medicine	Yale University	Medicine
7/98-5/99	Certificate	Tufts University Fletcher School of Law & Diplomacy	Global Leadership and Management
7/98-5/99	Fellowship	Harvard Kennedy School of Government	Biomedical Health Policy

Other Training

9/83-6/84	Res Associate	Allergy and Clinical Immunology, Dept. Internal Medicine, Yale Un.
7/92-6/93	Intern	Internal Medicine, New England Med. Center, Boston, MA
7/93-6/94	Res Associate	Allergy, New England Medical Center, Boston, MA

Academic Appointments

9/68-5/72	Assistant in Research	Department of Biology, Yale University, New Haven, CT
9/73-5/78	Assistant in Research	Department of Pharmacology, Yale University, New Haven, CT
7/78-12/83	Research Associate	Faculty of Clinical Immunology, Department of Internal Medicine, Yale University School of Medicine, New Haven, CT
6/81-9/81	Visiting Professor	Department of Experimental Pharmacology, Aristotle University School of Medicine, Thessaloniki, Greece
11/83-6/88	Assistant Professor	Biochemistry and Pharmacology, Tufts University School of Med
11/83-6/85	Co-Director	Medical Pharmacology, Tufts Univ. School of Medicine
7/85-6/88	Assistant Professor	Psychiatry (Clinical Pharmacology), Tufts University
7/85-6/91	Director	Medical Pharmacology, Tufts University School of Medicine
7/89-2/95	Associate Professor	Pharmacology, Tufts University (tenured 11/2/91)
7/89-6/22	Associate Professor	Biochemistry and Psychiatry, Tufts University, Boston, MA
2/95-6/22	Professor	Pharmacology and Internal Medicine (Allergy), Tufts Un Sch Med
7/02-6/22	Professor	Professor of Biochemistry, Tufts University
9/06-6/07	Visiting Professor	Allergy Section, Attikon Hospital, Athens Univ. Med. School, Greece

9/06-6/13	Special Advisor	Allergy Clinical Research Center, Allergy Section, Attikon Hospital, Athens Univ. Med. School, Athens, Greece
7/18-	Chief Advisor and Chair	Health Education and Research Advisory Committee, The American College of Greece (part time), Athens, Greece
7/21-6/22	Adjunct Professor	Institute of Neuro-Immune Medicine (INIM), Nova Southeastern Un FL
7/22-	Professor	Clinical Immunology, INIM, Nova Southeastern University (NSU), FL
9/23-	Executive Director	Center of Excellence for Neuroinflammation Research, NSU, FL

Awards and Honors

1971	Connecticut Commission for Undergraduate Research Award
1971	Yale College Dean's Research Award
1972	Yale College Cum Laude & Divisional Honors for joint Bachelor of Arts
1972	Yale University Cuyler Award "for outstanding Yale College Graduates"
1975-77	Advisory Committee to the Dean , Graduate School, Yale University
1979	Academic Award , Hellenic Medical Society of New York
1980	Travel Award , American Society for Cell Biology
1980	Yale University Winternitz Prize "for the best work in Pathology"
1981,82	Research Fellowship , Intl. Institute of Cellular and Molecular Pathology, Brussels
1982	Volunteer Award , Veterans Administration Medical Center, West Haven, CT
1983	Medical Award , Hellenic Medical Society of New York
1983	Chairman - Immunopharmacology , 9th International Congress of Pharmacology, London
1984	Travel Award , American Society for Pharmacology and Experimental Therapeutics
1986	Chairman - Neuroimmunology , 2nd World Conference of Inflammation, Monte Carlo
1986	Distinguished Service Citation for faculty excellence, Tufts University
1987	Special Faculty Recognition Award , Tufts University School of Medicine
1987	Honorary Member , Alpha Omega Alpha Honor Medical Society
1988	Special Faculty Recognition Award , Tufts University School of Medicine
1989	Chairman - Neuroimmune Modulation , 3rd World Conf. on Inflammation, Monte Carlo
1989	Citation for Excellence in Teaching , Tufts University School of Medicine
1990	Citation for Excellence in Teaching , Tufts University School of Medicine
1991	Advisory Committee , 4th World Conference on Inflammation, Geneva
1991	Citation for Excellence in Teaching , Tufts University School of Medicine
1991	Interstitial Cystitis Association Recognition Award
1992	Citation for Excellence in Teaching , Tufts University School of Medicine
1993	Advisory Committee , 5th World Conference on Inflammation, Geneva
1993	Citation for Excellence in Teaching , Tufts University School of Medicine
1993	Medical Awareness and Patient Support Award , Interstitial Cystitis Association
1994	Chairman, Inflammatory Mechanisms , 6th Intl. Conference on Immunopharm., Prague
1994	Citation for Excellence in Teaching , Tufts University School of Medicine
1994	Great Cross , Greek Orthodox Diocese of Boston for humanitarian health care
1995,97	Advisory Committee , 6 th and 7 th World Conferences on Inflammation, Geneva
1995	Chairman , International Committee to Upgrade Medical Education in Greece
1996	Citation for Excellence in Teaching , Tufts University School of Medicine
1997-00	Supreme Scientific Health Council to Secretary of Health , Hellenic Republic
1998	Community Service Award for humanitarian healthcare, Mayor T. Menino, Boston
1999-02	Supreme Healthcare Board , Social Welfare Organization, Ministry of Labor and Human Resources, Hellenic Republic
1999	Oliver Smith Award , Recognizing Excellence, Compassion and Service, New Engl. Med. Center
1999	Certificate in Global Leadership and Management , The Fletcher School of Law and Diplomacy, Tufts University
2000	Archon of the Ecumenical Patriarchate of Constantinople, for humanitarian healthcare
2001	Plenary Speaker , National Minority Research Symposium, Cancun, Mexico
2002	Dr. George Papanicolaou Gold Medal for contributions in humanism and medicine
2003	J.F. Kennedy Fellow , Harvard University, J.F. Kennedy School of Government
2003-08	National Public Health Council , Secretary of Health, Hellenic Republic
2006	Science and Medicine Award , Federation HASNE, Boston, MA
2006	Hygeia Award , New England Hellenic Medical and Dental Society, Boston, MA
2007-	Fellow , European Academy of Allergology and Clinical Immunology

2007- **Fellow**, American Academy of Allergy, Asthma and Immunology
2013 **Inductee**, Rare Diseases Hall of Fame
2010 **Honorary Doctor of Medicine**, Athens University (Greece), conferred on January 25, 2011
2014 **Honorary Doctor of Science**, Hellenic American U (conferred Nov. 11, 2014)
2018 **Albert Nelson Marquis Lifetime Achievement Award** (Marquis Who is Who)
2018 **Albert Nelson Distinguished Humanitarian Award** (Marquis Who is Who)
2020 **Inductee, World Academy of Sciences**
(https://en.wikipedia.org/wiki/The_World_Academy_of_Sciences)

Executive Health Experience

1985-2022 *Clinical Pharmacologist*, Massachusetts Drug Formulary Commission.

1994-1999 Member, *Board of Directors, Institute of Pharmaceutical Research and Technology (IFET)* and *Special Advisor* for the establishment of the *Laboratory for Drug Bioequivalence*.

1995 *Chairman, International Committee to upgrade BioMedical Education* in Greece, Hellenic Ministries of Education and Health.

1997-2001 Member, *Supreme Scientific Advisory Health Council*, Hellenic Ministry of Health.

1999-2002 Member, *Supreme HealthCare Board*, Institute of Social Welfare (IKA), Hellenic Ministry of Labor and Social Insurance.

2001-2002 *Consultant* for the establishment of graduate biomedical studies, Jeddah University, Saudi Arabia.

2003-2008 Member, *National Public Health Council*, Hellenic Ministry of Health.

2005-2012 *Scientific Advisor for the establishment of the Allergy Clinical Research Center* at Attikon Hospital, Athens University, Greece.

2005, 2007 Visiting Professor at Athens University Medical School.

2005 Member, *Committee for Research Evaluation*, Italian Ministry of Universities and Research.

- Continuously funded by NIH since 1986.
- Received over \$5 million from private donors.
- Helped Tufts raise over \$20 million from private donors.

Pharmaceutical Industry Experience

1984-1988 Consultant, *Hoechst Pharmaceuticals*, Frankfurt, Germany

1988-1989 Consultant, UpJohn, Kalamazoo, MI (helped identify and develop ibuprofen, Motrin)

1988-2003 Consultant, *Kos Pharmaceuticals*, Miami, FL (helped develop slow release niacin, Niaspan)

2002-2003 Consultant, Abbott Labs (helped develop non-flushing slow release niacin, Niaspan-Plus)

2000-2002 Consultant, UCB, Belgium (helped identify and develop Cetirizine, Zyrtec)

1990-1998 Consultant, *Muro Pharmaceuticals*, Tewksbury, MA
 1994-1999 Consultant, *Galenica*, Athens, Greece
 2011-2015 Consultant, Thorne research (ID)

Pharmaceutical Regulatory Experience

1986-2022 Clinical Pharmacologist, *Massachusetts Drug Formulary Commission*
 1994-97 Special Advisor, *Hellenic National Drug Organization*, Athens, Greece
 1994-00 Member, Board of Directors, *Institute of Pharmaceutical Research and Technology*, Athens, Greece
 1998-08 Member, *Supreme Special Scientific Health Council*, Ministry of Health, Hellenic Republic
 1999-01 Member, *Supreme Healthcare Board*, Institute of Social Welfare, Ministry of Labor and Human Resources, Hellenic Republic

Corporate Business Experience

1986- President and CEO, Theta Biomedical Consulting and Development, LLC
 1999-2004 Scientific Advisor International Pain Center, Hygeia Hospital (Athens, Greece)
 2001- Scientific Director, Algonot, LLC (Sarasota, FL)
 2000-03 Executive Committee, Board of Trustees, Hellenic College (Brookline, MA)
 2003-09 Board of Directors, Brookline Education Foundation, MA
 2003-10 Board of Overseers, Brookline Education Foundation, MA
 2013-21 President, AutismFreeBrain.org
 2014-21 President, Brain-Gate.org
 2014- President, BiomedAdvice, LLC
 2021- Manager, Algonot, LLC

Highschool and College Education experience

2002-2006 PTO, Devotion School, Brookline, MA
 2006-2008 Board, Brookline Education Foundation, Brookline, MA
 2006-2010 Board and Executive Committee, Hellenic College, Brookline, MA
 2018- Chief Advisor and Chair, Health Education and Research Advisory Board, American College of Greece, MA

Certifications

1983	National Board of Medical Examiners, USA
1984	Hellenic Ministry of Health and Social Services, Greece
1984-	License to practice medicine, Republic of Greece and European Union (#34542)
1986-93	License to practice medicine, Commonwealth of Massachusetts (NEMC #92-3418)
2016-	License to practice medicine, Republic of Cyprus (#5933)

Other Appointments

1964-68	Instructor of Braille, Anatolia College, Thessaloniki, Greece
1974-77	Instructor of Modern Greek, Yale University, New Haven, CT

Teaching

1984-89	Dental Pharmacology: 3 hours and one 1-hour review
1984-92	Veterinary Pharmacology: 5 hours and one 1-hour review
1984-89	Pre-matriculation program - Pharmacology: Director , 12 hours (summer)
1984-	National Board of Medical Examiners, Part I (NBME-I): one 7 hour review
1985-93	Medical Pharmacology: Director , 25 hours and five 1 hour reviews Created a unified pharmacology course for the first time with a syllabus which became a textbook, now in its second edition.
1993-	Medical Pharmacology: 5 hours and four 1 hour reviews
1993-97	Graduate Pharmacology: Director , 30 hours; Created the graduate program in pharmacology for the first time which was granted independent status.
1998-	Translational pharmacology: 4 hours
1994-98	Pharm 218-Immunopharmacology: Advances and Failures in Drug Discovery Director , 20 hours
2004-09	Bio 195-Pharmacology of Multiorgan Diseases (Tufts undergraduate course). Director , 50 hrs
2025	Pulmonary pathophysiology, NSU (2 hrs)

University Committee Assignments

1984-86	Curriculum Planning Committees: Tufts University School of Medicine
1985-86	Self-study Committee on Educational Methods: Tufts University
1984-91	Advisor, Progressive Minority Student Alliance: Tufts University School of Medicine
1984-91	Advisor, Medical Student Advisory Program: Tufts University
1987-91	Curriculum Committee: Tufts University School of Medicine
1987-91	Admissions Interviewing Committee: Tufts University School of Medicine
1987-93	Promotions Committee: Tufts University School of Medicine
1987-91	Ad Hoc Advisor: Tufts Amnesty International Chapter
1987-91	Ad Hoc Advisor: Tufts Literary Club
1988-91	Chairman: Committee for Graduate Studies in Pharmacology, Sackler School of Graduate Biomedical Sciences, Tufts University
1992-	Member: Committee for Graduate Studies in Pharmacology, Sackler School of Graduate Biomedical Sciences, Tufts University
1992-	Phase II Curriculum Committee: Tufts University School of Medicine
1992-	Research Development Group: Arthritis, autoimmunity, and immunologic diseases, Tufts
1992, 98	Accreditation Review Committee on Educational Programs
2000-03	Basic Sciences Promotion and Tenure Committee, Tufts University School of Medicine
2001-04	Program and Faculty Committee, Tufts University School of Medicine
2009	Strategic Implementation Committee, Tufts University School of Medicine
2011-	Committee on Committees, Tufts University School of Medicine
2013-16	Grievance Committee, Tufts University School of Medicine
2017-	Basic Sciences Promotion and Tenure Committee, Tufts University School of Medicine

Other Committee Assignments

- 1974-78 **Senator:** Graduate and Professional Student Senate, Yale University
1977-78 **Executive Secretary:** Graduate and Professional Student Senate, Yale University
1980 **U.S.A. Representative:** for the IXth Congress of the European Association of Poison Control Centers and the European Meeting of the International Association of Forensic Toxicologists
1983 **Peer-Reviewer:** Cellular Biology Section, National Science Foundation
1984 **Co-Chairman:** Ninth International Congress of Pharmacology, London
1985 **Founding member:** Serotonin Club, U.S.A.
1986 **Chairman:** Second Interscience World Conference on Inflammation, Monte Carlo
1986 **Organizing Committee:** Conference on Healing, N.Y.
1986- **Clinical Pharmacologist:** Drug Formulary Commission of Massachusetts
1988- **Honorary Member:** Research Board of Advisors, The American Biographical Institute
1989 **Chairman:** Third Interscience World Conference on Inflammation, Monte Carlo
1989 **Peer-Reviewer:** National Institutes of Health - NIDDKD/Urology *Ad Hoc* study section
1990 **Advisory Committee:** Fourth World Conference on Inflammation, Geneva
1993 **Advisory Committee:** Fifth World Conference on Inflammation, Geneva
1993 **Visiting Consultant:** King Abdul-Aziz University Medical School, Jeddah, SA
1993-94 **Consultant:** Committee to Upgrade the National Health Care System, Athens, Greece
1994 **Chairman:** Inflammatory mechanisms, 6th Intl. Conference on Immunopharm, Prague
1994-99 **Board of Directors:** Institute of Pharmaceutical Research and Technology: responsible for the analytical branch of the Food and Drug Administration, as well as the National Pharmaceutical Industry and National Drug Warehouse, Athens, Greece
1994-99 **Special Advisor:** in charge of establishing a bioequivalence and drug development center for the Greek National Drug Organization, Athens, Greece
1994-95 **Chairman:** International Committee to Upgrade Medical Education, Athens, Greece
1995 **Advisory Committee:** 6th World Conference on Inflammation, Geneva
1997 **Advisory Committee:** 7th World Conference on Inflammation, Geneva
1997 **Chairman:** Postgraduate Medical Education, 3rd European Medical Students' Congress, Crete, Greece
2000 **Chairman:** International Congress on Interstitial Cystitis and Related Neuroinflammatory Conditions, Crete, Greece
1997-00 **Member:** Supreme Scientific Health Council to Secretary of Health, Hellenic Republic
1999-02 **Member:** Supreme Healthcare Board, Institute of Social Services, Hellenic Republic
2000-03 **Member:** School Site Council, Devotion School, Brookline, MA
2003- **Member:** Board of Directors, the Brookline Foundation, MA
2003-08 **Member:** National Public Health Council, Secretary of Health, Hellenic Republic
2015- **Member,** International Advisory Committee, University of Cyprus Medical School

Bibliographical Listings

Marquis Who's Who in America

Marquis Who's Who in the World

Marquis Who's Who in Medicine and Healthcare

Marquis Who's Who in Frontier Science and Technology

Hellenic Who's Who in Business and the Professions

Men of Achievement

Dictionary of International Biography

Expeertscape

ScholarGPS

Editorial Reviews

- 1978- **Ad Hoc Reviewer:** *Archives of Dermatology, Biochemical Pharmacology, Behavioral and Neural Biology, Cancer Research, Clinical and Experimental Allergy, Journal of Allergy & Clinical Immunology, Journal of Cellular Physiology, Journal of Clinical Investigation, Journal of Clinical Psychopharmacology, Journal of Immunology, Journal of Neuroimmunology, Neuropharmacology, Neuroscience, New England Journal of Medicine, Proceedings of the Society for Experimental Biology and Medicine, Trends Immunology, Urology, Journal of Urology.*
- 1986- **Editorial Board:** *Acta Toxicologica et Therapeutica*
- 1988- **Deputy Editor:** *International Journal of Immunopathology and Pharmacology*
- 1992- **Editorial Board:** *Hellenic Allergology & Clinical Immunology*
- 1992- **Editorial Board:** *International Journal of Tissue Reactions*
- 1993- **Deputy Editor:** *International Journal of Immunopathology and Pharmacology*
- 2001- **Editorial Board:** *Allergy and Asthma Proceedings*
- 1994- **Consultant:** *Drug Evaluations, AMA*
- 2002- **Deputy Editor:** *European Journal of Inflammation*
- 2008- **Editorial Board** *Clinical, Cosmetic and Investigational Dermatology*
- 2009- **Deputy Editor** *Journal Biological Regulatory Homeostatic Agents*
- 2009- **Editorial Board** *Expert Opinion in Pharmacotherapy*
- 2009- **Editorial Board** *Autism Insight*
- 2012- **Section Editor** *Clinical Therapeutics*
- 2012- **Deputy Editor** *International Trends in Immunity*

Grant Reviews

- 1992 NIDDK *Ad Hoc* Urology Study Section
- 2000-02 NIH Biobehavioral & Behavioral Processes-SS2
- 2001 MDCN1
- 2002 NINDS ZDK1 GRB-B (J2) Biology of Neuroendocrine Peptides
- 2001-02 NSF Division of Integrative Biology and Neuroscience
- 2002 NIDDK Reparative Medicine, Renal/Urology (SSS-M 05)
- 2002 NIDDK ZDK11 GRB-9 Urology Research Centers Special Urology Emphasis Panel

2003	VA Neurobiology Section A
2011	Italian Ministry of Universities and Research
2007	ZAI1 SV-IS1 Cellular & Inflammation Pathways
2007	NIAID Asthma & Allergic Dis Coop Res Centers
2009	DK ZDK1 GRB-6 Urology Research Centers
2009	SEP, Natl Center Minority Health & Disparities (NCMHD)
2010	Hellenic Ministry of University Review and Accreditation
2010	NIMSD ZRG1 MOSS-D12B SBIR: Dermatology, Rheumatology and Inflammation
2011	ZRG1 CFS-M (80) S-Chronic Fatigue Syndrome
2012	ZRG1 MOSS T12- Small Business: Dermatology, Rheumatology and Inflammation
2012	ZRG1 MOSS-S (04) S-Musculoskeletal, Oral & Skin Sciences
2013	ZRG1 VH-D 02M Molecular and Cellular Hematology
2014	ZRG1 MOSS-V (02) M Special Emphasis Panel
2015	ZRG1 MOSS-C (02) Skin Immunology-CHAIR
2016	ZRG1 MOSS-C (02) Skin Immunology
2017	ZRG1 BBBP-L(40) P: RFA HD-17-009-Autism Centers of Excellence
2017	ZRG1 IFCN-N (U54) Myalgic Encephalopathy/Chronic Fatigue Syndrome CRCs
2017	ZRG1 IFCN-N (R21) Myalgic Encephalopathy/Chronic Fatigue Syndrome-CHAIR
2019	ZRG1 CFS-N (80) S Myalgic Encephalomyelitis/Chronic Fatigue Syndrome
2020	ZRG1 CFS-N (80) S Myalgic Encephalomyelitis/Chronic Fatigue Syndrome
2021	NIAID Clinical Trial Implementation Cooperative Agreement-Special Emphasis Panel
2022	ZRG1 ETTN-U (82) S USU Intramural High Priority Research
2022	ZRG1 MOSS-S (04) S-Musculoskeletal, Oral & Skin Sciences, Innate Immunity
2023	ZRG1 CN-T (57) Understanding Neurological Effects of COVID-19 and PASC.

Membership to Professional Societies

1972-	Hellenic Biochemical and Biophysical Society
1977-	New York Academy of Sciences
1978-	American Medical Association
1978-	American Association of University Professors
1978-	American Institute of the History of Pharmacy
1978-	American Association for the Advancement of Science

1978-	Society for Health and Human Values
1979-	American Association for the History of Medicine
1979-	American Society for Cell Biology
1980-	Sigma Xi: The Scientific Research Society
1980-	Society for Neuroscience
1980-	International Brain Research Organization
1980-	International Society of the History of Medicine
1980-	American Federation for Clinical Research
1980-	Connecticut Academy of Arts and Sciences
1980-	American Society for Pharmacology and Experimental Therapeutics
1981-	American Society for Microbiology
1981-	Hellenic Society for Cancer Research
1981-	Hellenic Society for Medicinal Chemistry
1981-	Hellenic Society of Pharmacology
1981-	American Association of Immunologists
1982-	International Society for Immunopharmacology
1984-	Massachusetts Medical Society
1987-	International Association for the Study of Pain
1987-	Harvard Count way Historical Library Associates
1994-	World Stress Society
1996-	Physicians for Human Rights
2007-	European Academy of Allergology and Clinical Immunology
2007-	American Academy of Allergy, Asthma and Immunology
2008-	Royal Academy of Medicine (UK)

Office and Committee Assignments in Professional Societies

1974-79	Secretary: Association of Greeks at Yale University
1978-79	Board of Directors and Vice President for Relations with Greece, Krikos, NY
1982-83	President: Association of Greeks at Yale University
1984-85	Trustee: Anatolia College, Boston, Massachusetts
1984-86	Secretary: International Anatolia Alumni Association, Boston, MA
1984-85	Secretary: New England Hellenic Medical Society, Boston, MA
1985	Board of Directors: Hellenic Scientists Association of Boston, Boston, MA
1985-86	Vice-President: New England Hellenic Medical Society, Boston, MA
1986-87	President: New England Hellenic Medical Society, Boston, MA
1995-97	Vice-President: New England Hellenic Medical & Dental Society, Boston, MA
2000-09	Trustee, Hellenic College, Brookline, MA

Research Interests

1. Pathophysiology of mast cells in mastocytosis and in neuroimmunoendocrine disorders. Mast cells are known for their involvement in allergic reactions, but we were the first to show that they are also necessary to initiate inflammation, thus participating in inflammatory diseases that worsen by stress, such as autism, cancer, chronic fatigue syndrome, interstitial cystitis, migraine headaches, psoriasis and multiple sclerosis. We have developed *in vivo* and *in vitro* models for these diseases and we are studying neurohormonal activation of mast cells. The only plausible way to explain how mast cells can participate in so many diverse processes is their ability to secrete distinct chemicals relative for different pathophysiological settings.
2. Molecular events involved in mast cell stimulus-secretion coupling, especially with their ability to release mediators selectively without degranulation. Mast cells are typically activated by immunoglobulin E and antigen, a process that leads to an explosive release of over 20 biologically active molecules (some of which are presorted in some 500 secretory granules, while others are synthesized during activation) through a process

called degranulation or exocytosis. However, we were the first to show that mast cells can also respond to non-allergic triggers and release mediators *selectively, without degranulation*. We specifically reported that the inflammatory cytokine IL-1 can induce selective release of the also inflammatory cytokine IL-6, that the stress hormone corticotropin-releasing hormone (CRH) can induce selective release of vascular endothelial growth factor (VEGF), and IL-33 augments substance P(SP)-induced VEGF release. We are currently studying the regulation of CRH receptor expression and function on human cultured mast cells and the effects of their respective activation on allergic stimulation.

3. Mast cells have the ability to superstimulate activated T cells; moreover, the mast cell mediators IL-6 and TGFβ participate in the maturation of Th17 cells, which are increasingly implicated in autoimmune diseases such as multiple sclerosis and psoriasis. Part of this process requires cell-to-cell contact, but also TNF secretion. We are investigating how IL-33 and SP (see above) could drive mast cells to participate in Th1-type of diseases and how such interactions may be interrupted for therapeutic purposes.
4. Regulation of mast cell secretion by the mitochondrial uncoupling protein 2 (UCP2) and mitochondrial dynamics. We showed for the first time that there is an inverse relationship between UCP2 expression and mast cell secretion. We also showed for the first time that mast cell degranulation, but not selective release of tumor necrosis factor (TNF), is associated with mitochondrial fission and relocation from perinuclear localization to cell-widespread distribution. We further showed that mitochondrial components are secreted outside the cell where they stimulate other cells, including endothelial cells, immune cells and neurons to secrete inflammatory molecules.
5. Antisecretory and antiproliferative function of the 78 kD mast cell phosphoprotein, moesin. We sequenced this protein and showed that, in its phosphorylated state, it inhibits mast cell secretion and tumor growth. We are investigating the regulation of its expression, identification of the phosphorylated sites and molecules that could increase and sustain the phosphorylated state of this protein.
6. Anti-allergic and anti-inflammatory actions of some natural polyphenolic flavonoids. We are investigating the mechanism of action of the select flavonoids luteolin and methoxyluteolin, their formulation in ways that increases their absorption, as well as their blood concentrations in order to achieve maximal effective levels. Such compounds could serve as anti-allergic, anti-inflammatory and anticancer drugs.
7. Role of neonatal mast cell activation in the pathogenesis of autism. We reported that the prevalence of autism spectrum disorder (ASD) is ten times higher (1/10 children) in patients with mastocytosis than the general population (1/100 children). What makes this finding even more impressive is that mastocytosis is a rare disease occurring in 1/2000 children and is characterized by many hypersensitive mast cells in many tissues. We also found that the neuropeptide neurotensin, which is a potent mast cell trigger, and mitochondrial DNA are significantly increased in the serum of patients with ASD. We are investigating the presence of additional biomarkers in the serum, the effect of stress (CRH) and environmental triggers (heavy metals, mycotoxins, Lyme) on the action of on human mast cells and microglia, as well as the benefit of the unique flavonoids luteolin and methoxyluteolin. Two open label clinical trials have already shown that a formulation containing luteolin (called NeuroProtek) has significant benefit in over 50% of autistic children in 6 months.
8. Stimulated mast cells undergo fission and translocation of mitochondria with extracellular mitochondrial particle and DNA secretion extracellularly leading to autocrine and paracrine inflammatory actions. These mitochondrial components are misconstrued by the body as “innate pathogens” and could lead to the pathogenesis of inflammatory diseases, such as ASD, atopic dermatitis and psoriasis.
9. The role of brain mast cells in neuropsychiatric diseases such as Alzheimer’s disease, autism spectrum disorder (ASD), myalgic encephalomyelitis/chronic fatigue syndrome, fibromyalgia syndrome, mast cell activation syndrome, chronic inflammatory syndrome, post-Lyme syndrome and pelvic pain syndrome/interstitial cystitis.
10. The inhibitory/protective role of the cytokines IL-37 and IL-38 against inflammatory disorders, especially ASD.

Clinical Studies

1. Double-blind, placebo-controlled, cross-over study for the treatment of remitting-relapsing multiple sclerosis. (Principal Investigator: T.C. Theoharides, Ph.D., M.D, Co-PI: S.L. Hauser, M.D. Site: Massachusetts General Hospital, Boston, MA).
2. Double-blind, placebo-controlled, study for the treatment of interstitial cystitis. (Principal Investigator: T.C. Theoharides, Ph.D., M.D, Co-PI: G.R. Sant, M.D. Site: Clinical Research Center, New England Med. Center).
3. Double-blind, placebo-controlled, study for the prevention of migraine headaches. (Principal Investigator: T.C. Theoharides, Ph.D., M.D; co-PI: E. Spierings, M.D., Ph.D. Site: Boston, Clinical Research Center, Newton, MA-2004).
4. Single-blind, open label study of the effect of a flavonoid formulation on niacin-induced flush. (Principal Investigator: T.C. Theoharides, Ph.D., M.D., Co-I: Dimitris Kalogeromitros, Ph.D., M.D. Site: Attikon Hospital, Athens, Greece-2008).
5. Single-blind, open label study of the effect of a flavonoid formulation, CystoProtek, on interstitial cystitis. (Principal Investigator: T.C. Theoharides, Ph.D., M.D., Co-I: Grannum R. Sant, M.D. Site: Multiple throughout the USA-2008).
6. Single-blind, open label study of the effect of a flavonoid formulation on niacin-induced flush. (Principal Investigator: T.C. Theoharides, Ph.D., M.D., Co-I: Dimitris Kalogeromitros, Ph.D., M.D. Site: Attikon General Hospital, Athens, Greece-2009).
7. Open label study of biomarkers in young children with autism. (Principal Investigator: T.C. Theoharides, Ph.D., M.D., Co-Is: Dimitris Kalogeromitros, Ph.D., M.D., Konstantinos Francis, M.D. Site: Attikon General Hospital, Athens, Greece-2009).
8. Open label study of tolerability and effectiveness of NeuroProtek® in autistic children (Principal Investigator: Prof. L. Lykouras . site: Second Department of Psychiatry, Attikon Hospital Athens, Greece-2011)
9. Double-blind, placebo-controlled, cross-over study of a flavonoid formulation for the treatment of autism. (Principal Investigator: T.C. Theoharides, Ph.D., M.D, Co-PI: Isaac Melamed, M.D. Site:IMMUNOe, Centennial, CO).

Research Fellowships and Grants

- 1980 **Co-Investigator:** *Alternate pathways of tumor immunity.* American Cancer Society
(PI: P.W. Askenase, M.D.).
- 1980 **Co-Investigator:** *T-cell mediated serotonin release from mast cells.* Veterans Administration
(PI: P.W. Askenase, M.D.).
- 1981 **Co-principal Investigator:** *Mast cell and histamine involvement in immunoregulation of patients with chronic renal failure.* Veterans Administration (PI: P.W. Askenase, M.D.).
- 1982 **Collaborator:** *The immunology of cutaneous basophil hypersensitivity.* National Institutes of Health
(PI: P.W. Askenase, M.D.).
- 1983 **Collaborator:** *The role of conjugated amines in modulating cell function.* Veterans Administration
(PI: P.K. Bondy, M.D.).
- 1983 **Charlton Award:** Tufts University School of Medicine. Duration: 5/1/84 - 4/30/86. Budget: \$4,000.
- 1984 **Grasp Center Awards:** Tufts University School of Medicine / New England Medical Center.
Duration: 9/1/85 - 12/31/86. Budget: \$7,000.
- 1985 **Dean's Fund:** Tufts University School of Medicine. Duration: 9/1/85 - 8/31/90. Budget: \$85,000.
- 1985 **Principal Investigator:** *Effect of cromolyn-like drugs on leukotriene secretion.* Fisons Pharmaceuticals, England. Duration: 7/1/86 - 6/31/87. Budget: \$5,000.
- 1986 **Post-Doctoral Stipend:** Muro Pharmaceutical, Tewksbury, MA. Duration: 7/1/86 - 6/31/91.
Budget: \$109,000.
- 1987 **Principal Investigator:** *Central effects of non-opioid analgesics.* Hoechst Pharmaceuticals, Frankfurt, Germany. Duration: 1/1/87 - 12/31/90. Budget: \$240,000.
- 1987 **Charlton Award:** Tufts University School of Medicine. Duration: 5/1/87 - 4/30/88. Budget: \$5,000.
- 1988 **Principal Investigator:** *Involvement of mast cells in demyelinating processes.* Multiple Sclerosis Society, RG-1961-A-1. Duration: 10/1/87 - 9/30/90. Budget: \$118,410.
- 1987 **Principal Investigator:** *Tricyclic effects on mast cell secretion.* Muro Pharmaceutical, Tewksbury, MA. Duration: 7/1/87 - 6/30/89. Budget: \$114,758.
- 1987 **Post-Doctoral stipend:** Gerondelis Foundation, MA. Duration: 9/1/87 - 6/30/89. Budget: \$5,000.
- 1988 **Principal Investigator:** *Functional relationship between brain mast cells and neurons.*
Kos Pharmaceuticals, Miami, FL. Duration: 10/1/88 - 9/30/93.
Budget: \$1,299,400 (plus \$200,000 towards an endowed professorship in pharmacology).
- 1989 **Principal Investigator:** *Secretion of bladder mast cell mediators in interstitial cystitis.*
National Institute of Diabetes and Digestive and Kidney Diseases.
RFA #98-DK-03, Division of Kidney, Urologic and Hematologic Diseases
R01-DK-42409. Duration: 9/30/89 - 9/29/92. Budget: \$630,785.

- 1992 **Principal Investigator:** *Neurohormonal and free radical activation of bladder mast cells.*
National Institute of Diabetes and Digestive and Kidney Diseases.
RFA #DK-9104, Division of Kidney, Urologic and Hematologic Diseases
R01-DK 44816. Duration: 3/1/92-2/28/95. Budget: \$468,899.
- 1992 **Co-Principal Investigator:** *Mast cell activation in child migraine patients before and after training in self-regulation.* W.T.Grant Foundation. Duration: 4/1/92-3/31/95.
Budget: \$376,168.
- 1994 **Principal Investigator:** *Functional relationship between brain mast cells and neurons.*
Kos Pharmaceuticals, Miami, FL. Duration: 7/1/94 - 6/30/97.
Direct costs: \$263,446. Entire budget: \$399,504.
- 1995 **Principal Investigator:** *Double blind study of hydroxyzine for the treatment of interstitial cystitis.* ICA.
Duration: 6/1/95-5/30/97. Direct costs: \$44,666. Entire budget: \$49,666.
- 1997 **Principal Investigator:** *Characterization of the 78 kD mast cell phosphoprotein which inhibits mast cell secretion.* Muro Pharmaceutical, Tewksbury, MA. Duration: 4/1/97-3/31/00.
Direct costs: \$533,406. Budget: \$611,791.
- 1997 **Principal Investigator:** *Effect of acute stress on dura mast cell activation and implications for migraine pathophysiology.* Kos Pharmaceuticals, Miami, FL. Duration: 7/1/97 - 6/30/99.
Direct costs: \$269,265. Entire budget: \$323,118.
- 1998 **Principal Investigator:** *Effect of Elmiron on the proliferation and activation of bladder mast cells.*
Alza Corporation, Mountain View, CA. Duration: 7/1/98 - 6/30/2000.
Direct costs: \$58,369. Entire budget: \$75,879.
- 1999 **Principal Investigator:** *Effect of acute stress on cardiac mast cell activation.* Kos Pharmaceuticals, Miami, FL. Duration: 7/1/99 - 6/30/00. Direct costs: \$140,721. Entire budget: \$168,983.
- 1999 **Principal Investigator:** *Effect of chondroitin sulfate and hyaluronic acid on the activation of bladder mast cells.* Seikagaku Corporation, Japan. Duration: 9/1/99 - 2/28/00.
Direct costs: \$50,000. Entire budget: \$50,000.
- 2000 **Principal Investigator:** *Effect of acute stress on cardiac mast cell activation.* Kos Pharmaceuticals, Miami, FL. Duration: 7/1/00 - 6/30/01. Direct costs: \$140,721. Entire budget: \$168,983.
- 2001 **Principal Investigator:** *Effect of acute stress on cardiac mast cell activation.* Kos Pharmaceuticals, Miami, FL. Duration: 7/1/01 - 6/30/02. Direct costs: \$140,721. Entire budget: \$168,983.

1 U01 DK065244-01 NIDDK (PI: Sant; Co-I: Theoharides) Interstitial cystitis clinical trials group	Duration: 7/1/98-6/30/03 Direct Cost/yr: \$140,000	10%
1 R01 NS38326 NINDS (PI: Theoharides) CRH-induced dura mast cell activation	Duration: 7/1/99-6/30/03 Direct Cost/yr: \$153,573	40%
Research Grant (PI: Theoharides) Kos Pharmaceuticals, Inc., Miami, FL Effect of stress on myocardial mast cells	Duration: 7/1/02-6/30/03 Direct Cost/yr: \$108,333	10%
Research Contract (PI: Theoharides) Kos Pharmaceuticals, Inc., Miami, FL Mechanism of niacin-induced flush	Duration: 2/1/02-1/31/03 Direct Cost/yr: \$ 72,500	10%

Research Grant (PI: Theoharides) Estee-Lauder, Inc., LI, NY Keratinocyte effect on mast cells	Duration: 5/1/01-6/30/03 Direct Cost/yr: \$ 45,000	5%
Research Grant (PI: Theoharides) Cantata Pharmaceuticals, Inc. Cambridge, MA)	Duration: 2/5/03-2/4/04 Direct Cost/yr: \$ 50,000	5%
1 U01 DK65244-01 NIDDK (PI: Sant; Co-I: Theoharides) Interstitial cystitis clinical research network	Duration: 9/1/03-2/28/04 Direct Cost/yr: \$140,000	10%
BC024430 DOD- Concept Award (PI: Theoharides) Role of mast cells in mammary gland carcinogenesis	Duration: 7/1/03– 6/30/04 Direct Cost/yr: \$75,000	10%
Research Grant (PI: Theoharides) Estee-Lauder, Inc., LI, NY Keratinocyte effect on mast cells	Duration: 7/1/03-6/30/04 Direct Cost/yr: \$ 45,000	5%
Research Grant (PI: Theoharides) TAIHO Pharmaceutical Co., Japan IPD effect on human mast cells	Duration: 10/15/03-10/15/04 Direct Cost/yr: \$ 60,000	5%
Research Grant (PI: Theoharides) TAIHO Pharmaceutical Co., Japan IPD effect on bladder inflammation in mice	Duration: 11/1/04-05/01/05 Direct Cost/yr: \$ 30,000	5%
William James Foundation (Sarasota, FL) (PI: Theoharides) Research and publication preparation	Duration: 11/1/04– 3/31/05 Direct Cost only: \$55,000	N/A
Research Grant-continuation (PI: Theoharides) TAIHO Pharmaceutical Co., Japan IPD effect on bladder inflammation	Duration: 05/01/05-10/15/05 Direct Cost: \$ 15,000	5%
Research Grant (PI: Theoharides) Nucryst Pharmaceuticals, Wakefield, MA Nanocrystalline silver on bladder inflammation	Duration: 11/1/04-6/30/05 Direct Cost: \$ 27,500	N/A
Research Grant (PI: Theoharides) Nucryst Pharmaceuticals., Wakefield, MA Nanocrystalline silver on bladder inflammation	Duration: 12/1/05-6/30/07 Direct Cost: \$ 47,500	N/A
1 R01 DK062861 (PI: Theoharides) NIDDK Acute restraint stress-induced neurogenic bladder inflammation The major goal of this grant is to investigate the role of CRH and mast cells in stress-, SP- and LPS-induced rodent bladder inflammation as it may relate to the pathogenesis of bladder pain syndrome/interstitial cystitis.	Duration: 5/1/2003-4/30/2007 Direct Cost/yr: \$175,000	
1 R21 NS055681 (PI: Theoharides) NINDS Mast cells, tricyclic antidepressants and chronic fatigue syndrome The major goal of this application is to investigate the ability of human cord blood and cord matrix-derived mast cells to be activated by corticotrophin-releasing hormone and the effect of certain antidepressants.	Duration: 9/1/2006-9/29/2008 Direct cost: \$175,000	

Research Grant-continuation (PI: Theoharides) TAIHO Pharmaceutical Co., Japan IPD effect on bladder neurogenic inflammation	Duration: 03/01/07-02/28/08 Direct Cost: \$ 80,000
Mastocytosis Society (PI: Theoharides) Skin mast cell expression of CRH receptors	Duration: 5/1/09-12/31/09 Direct cost: \$45,000
National Autism Association (PI: Theoharides) Mast cell-related biomarkers in autism	Duration: 5/1/09-12/31/09 Direct cost: \$35,000
Safe Minds (PI: Theoharides) Effect of mercury on human mast cells	Duration: 5/1/09-12/31/09 Duration: 5/1/09-12/31/09
National Autism Association (PI: Theoharides) Serum biomarkers in children with autism	Duration: 5/1/10-12/31/11 Direct cost: \$30,000
Safe Minds (PI: Theoharides) Mercury and neurotensin induce mitochondrial DNA release from human mast cells and contribute to auto-immunity in autism	Duration: 12/30/10-12/29/11 Direct cost: \$75,000
Autism Research Collaborative (PI: Theoharides) Investigation of IL-9, IL-33 and TSLP in serum of autistic children	Duration: 4/19/11-12/31/11 Direct cost: \$8,500
Thorne Research (PI: Theoharides) Comparison of anti-inflammatory anti-flushing effects of six different flavonoid compounds	Duration: 6/13/11-10/31/11 Direct cost/yr: \$50,000
2 R01 AR047652-11 (PI: Theoharides) NIAMSD Stress induces skin mast cell activation and vasodilation The major goal of this grant is to investigate the role of CRH receptors in stress and CRH-induced skin vascular permeability using knockout mice and recombinant techniques, as well as in human skin biopsies from patients with urticaria, psoriasis and mastocytosis, the symptoms of which worsen by stress	Duration: 9/1/2007-3/31/2012 Direct Cost/yr: \$215,000
National Psoriasis Fnd Translational Award (PI: Theoharides) The role of the novel mTOR pathway in psoriasis and the effect of methoxyluteolin	Duration: 6/1/13-5/31/15 Direct costs: \$200,00
The Jane Botsford Johnson Foundation Research Award PI: Theoharides Activation of signaling complex mTOR in mast cells and microglia by environmental triggers increases the risk of autism and is inhibited by the flavonoid methoxyluteolin	Duration: 6/1/13-5/31/15 Direct costs: \$100,00
1R01NS071361-05 (PI: Theoharides) Brain mast cells and chronic fatigue syndrome	Duration: 07/10-6/30/15 Direct cost : \$1,100,000
National Psoriasis Foundation (PI: Theoharides) The role of the novel mTOR pathway in psoriasis and the effect of methoxyluteolin	Duration: 05/15/13 – 05/14/15 Direct costs: \$100,000
Michael S. and Katherine V. Johnson Family Fnd Serum levels of SP, CRH and IL-33 in fibromyalgia patients	Duration: 01/15/14 – 06/30/15 Direct costs: \$50,000

Pfizer #WI194875	Duration 1/1/15-12/31/16
PI: Theoharides	Direct costs: \$230,000
Effect of inflammasome in psoriasis	
National Psoriasis Foundation Translational Award	Duration: 6/1/13-5/31/15
PI: Theoharides	Direct costs: \$200,000
The role of the novel mTOR pathway in psoriasis and the effect of methoxyluteolin	
Autism Research Institute	Duration: 7/1/14-6/30/15
PI: Theoharides	Direct costs: \$30,000
Serum levels of CRH, neurotensin and mitochondrial DNA in children with autism	
1 R01 NS066205-04	Duration: 7/1/10-6/30/15
MPI: Veves and LoGerfo; Role: Subcontract	Direct costs: \$60,000
Role of neuropeptides in diabetic foot problems	
Anonymous donation	Duration 1/1/17-12/31/19
PI: Theoharides	Direct costs: \$150,000
Expression of Neurotensin and its receptors in brains of children with autism	
Anonymous donation	Duration 1/1/17-12/31/19
PI: Theoharides	Direct costs: \$100,000
Identification of exosomes in serum of children with autism and effect on cultured human microglia	
Veritas Grants	Duration 1/1/18-12/31/19
PI: Theoharides	Direct costs: \$25,000
Effect of mycotoxins on human microglia	
Solve ME/CFS Initiative 2018 Ramsay Award	Duration 11/1/18-12/31/19
PI: Theoharides	Direct costs: \$40,000
Role of extracellular vesicles in Myalgic encephalomyelitis/chronic fatigue syndrome	
Current Research Support	
Anonymous donation	
1/1/21-06/30/2024	
Title: Neuroimmune priming of human mast cells	
Brief Description of Project Goals: To investigate which neuroimmune molecules could increase the reactivity of mast cells.	
Role: PI	
Effort: 0.6 calendar months	
Gateway Institute for Brain Research LLC (GIBR)	
07/01/24-06/30/27	
Title: Human dopaminergic neurons and microglia midbrain organoid culture models for Parkinson's disease pathogenesis and treatment.	
Brief Description of Project Goals: We will develop human dopaminergic neurons and microglia midbrain organoid culture models for Parkinson's disease pathogenesis and treatment.	
Role: PI	
Overlap: None	
Effort: 2.4 calendar months	
Funding Amount: \$1,519,783	

Pending Research Support

NIH

01/01/2026 – 12/31/2031

RFA-NS-23-021-Understanding Neurological Effects of COVID-19 and Post-Acute Sequelae of SARS-CoV-2 Infection (R01 Clinical Trial Optional)

Title: Investigation of neuroinflammation in Long-COVID pathogenesis using a microfluidic brain-on-a-chip organoid model

Brief Description of Project Goals: To create a long COVID disease surrogate model using cocultured relevant cells including endothelial cells, mast cells, microglial cells and hypothalamic neurons.

Role: PI

Overlap: None

Effort: 3.42 calendar months

Funding Amount: \$3,769,294

NIH

01/01/2026 – 12/31/2028

Title: Profiling of cultured human mast cells failing to degranulate (nonresponders) after stimulation.

Brief Description of Project Goals: To determine and isolate the mast cells that are degranulating (responders) and non-degranulating (non-responders) phenotypes after allergic and non-allergic triggers.

Role: PI

Overlap: None

Effort: 0.96 calendar months

Funding Amount: \$423,500

Patents (in chronological order-no. date=d,m,y)

Methods claims

#5,250,529 (10/05/1993)	Method of alleviating migraine headache with mast cell degranulation blocking agents.
#5,648,350 (07/15/1997)	Method of treatment of endogenous, painful gastrointestinal conditions of non-ulcerative origin.

#5,821,259 (10/13/1998)	Histamine-3 receptor agonists as therapeutic agents.
#5,855,884 (01/05/1999)	Treatment of stress-induced migraine headache with a corticotropin releasing hormone blocker.
#5,994,357 (11/30/99)	Method of treatment of interstitial cystitis.
#6,020,305 (02/01/2000)	Treatment of stress-induced skin diseases by CRH antagonists and mast cell inhibitors.
#6,689,748 (02/10/2004)	Method of treating mast cell activation-induced diseases with a proteoglycan.
#7,759,307 (3/30/2004)	A method of treating niacin-induced flush.
#7,923,043 (4/12/2011)	Method for protecting humans against superficial vasodilator flush syndrome
#9,050,275 (06/09/15)	Methods of treating autism spectrum disorders and compositions for same.
#9,176,146 (11/3/15)	Methods of screening for and treating autism spectrum disorders and compositions for same.

Composition claims

#6,624,148 (09/23/03)	Proteoglycan compositions for treatment of cardiovascular inflammatory diseases.
#6,635,625 (10/21/03)	Proteoglycan compositions for treating prostate and bladder inflammatory conditions.
#6,641,806 (11/04/03)	Proteoglycan compositions for treating arthritic inflammation conditions.
#6,645,482 (11/11/03)	Proteoglycan compositions for the treatment of arthritic inflammatory diseases.
#6,984,667 (1/10/06)	Synergistic proteoglycan compositions for treatment of inflammatory diseases.
# 7,155,278 (10/3/06)	Compositions for oral use for treatment of cardiovascular inflammatory diseases.
#7,799,766 (9/21/10)	Composition for treatment of hormone-dependent cancers.
#7,906,153 (3/15/11)	Anti-inflammatory composition for treating multiple sclerosis.
#8,268,365 (9/18/12)	Anti-inflammatory compositions for treating brain inflammation.
#13/112,675 (Filed 5/23/11)	Compositions for protecting against superficial vasodilator flush syndrome. and methods of use

Foreign patents

EPO # 0618796 (6/5/99)	Alleviating or preventing of migraine headache with mast cell degranulation blocking agents.
France, Germany (6922912.5), Ireland, Italy, Netherlands, Spain, United Kingdom	
New Zealand #246748 (13/7/00)	Method for alleviating or preventing migraine headache onset with mast cell degranulation blocking agents.
Australia #672,772 (4/4/97)	Method for alleviating or preventing migraine headache onset with mast cell

degranulation blocking agents.

EPO # 0748217 (7/8/02) Compositions comprising a mast cell degranulation-blocking agents for treatment of endogenous, painful, gastrointestinal conditions of non-inflammatory, non-ulcerative origin

France, Germany (69722809.6), Greece, Ireland, Italy, Netherlands, Spain, United Kingdom

EPO # 0618796 (11/6/03) Treatment of stress-induced skin diseases by corticotropin-releasing hormone antagonists and skin mast cell degranulation blockers.

France, Germany (69722809.6), Ireland, Italy, Spain, United Kingdom

EPO # 1365777 (4/19/06) Proteoglycan compositions for the treatment of skin inflammatory diseases.

France, Germany, Greece, Ireland, Italy, Spain, United Kingdom

European Application No. 09743496.3

Based on International Application No. PCT/US09/042888)

Method for protecting humans against superficial vasodilator flush syndrome.

International Application No. PCT/US09/52577

Methods of treating autism spectrum disorders and compositions for same.

Trademarks

<u>Active Marks USA</u>	<u>Reg. No.</u>	<u>Reg. Date</u>
ALGONOT PLUS	2,520,109	12/18/2001
ARTHROSOFT	2,660,778	12/10/2002
ARTHROSUPREME	3,169,936	11/07/2006
BRAINGAIN	3,518,791	10/21/2008
BRAIN GAIN BOOST	3,593,572	03/24/2009

<u>Active Marks USA</u>	<u>Reg. No.</u>	<u>Reg. Date</u>
CARDIOPROTEK	3,373,400	01/22/2008
CARDIONIACIN	8,5119,878	08/31/2010
CYSTOPROTEK	2,840,956	05/11/2004
FIBROSMOOTH	3,051,493	01/24/2006
FIBROPROTEK	4,002,672	07/26/2011
LET NATURE EASE YOUR PAIN	3,464,990	07/15/2008
LET NATURE HEAL YOUR HEART	3,244,349	05/22/2007
MASTOSTAT	3,383,202	02/12/2008
NEUROPROTEK	3,225,924	04/03/2007
NRG-Q	3,822,322	07/20/2010
PROSTAPROTEK	2,849,683	06/01/2004
WHERE SCIENCE AND NATURAL REMEDIES MEET	3,044,013	01/17/2006
SKINPROTEK	3,518,790	10/21/2008
PURELUT	6,260,940	02/02/2021
LET NATURE HELP YOU BE YOUR BEST	7,062,595	05/23/2023
LET NATURE CALM YOUR SKIN	5,100,163	12/13/2016
VIRALPROTEK	7,062,596	05/23/2023
GENTLEDERM	4,999,038	07/13/2023
THETA BIOMEDICAL CONSULTING AND DEVELOPMENT CO., INC. and design 	3,574,373	02/17/2009

Training of Postdoctoral Fellows

<u>Year</u>	<u>Name</u>	<u>Title</u>	<u>Present Position</u>
1979-80	Nikolaos Kokolis, MD	Post-doctoral Fellow	Professor of Biochemistry Vet School, Aristotle University, Thessaloniki, Greece

1979-80	Zaphiroula Kritsi, MD	Post-doctoral Fellow	Professor of Biology, Aristotle University, Thessaloniki, Greece
1981-83	Sandra Kraeuter-Kops, MD	Assoc. Research Scientist	Section of Trauma, Department of Surgery, Yale University School of Medicine, New Haven, CT
1984-85	Katerina Marathias, MD	Research Associate	Attending in Critical Care Medicine, Onasis Memorial Cardiac Center, Athens, Greece
1985-86	Larry G. Miller, MD	Research Fellow	Chief Science Officer, Medi Phase Venture Partners
1986-87	Zenon Protopapas, MD	Research Fellow	Attending in Radiology, St. Elizabeth's Hospital, Yale University, New Haven, CT
1986-88	A. Konstantinidou, MD	Research Fellow	Practicing Neurologist, Thessaloniki, Greece
1987	Nikos Flaris, MD	Research Fellow	Attending in Neuropathology, Hippokratio Hospital, Thessaloniki, Greece
1987-88	Vasilios Blatsios, MD	Research Fellow	Chief, Internal Medicine, 401 Military Hospital, Athens, Greece
1987-88	P. Panagiotacopoulos, MD	Research Fellow	Attending in Cardiology, Rochester University, Rochester, NY
1988-90	Harissis Vliagoftis, MD	Research Associate	Assistant Professor in Internal Medicine, Canada
1989-90	Violetta Dimitriadou, PhD	Research Associate	Chief Science Officer, Biotech Company, Ottawa, Canada
1991	Linda Mak, MD, PhD	Research Fellow	Resident in Pediatrics, Stanford University, CA
1991-92	E. Kotronis, MD	Research Fellow	Attending, Internal Medicine, 401 Military Hospital, Athens
1991-92	V. Agelakas, MD	Research Fellow	Attending, Vascular Surgery, 201 Military Athens, Greece
1989-90	Jan Trnovsky, PhD	Research Associate	Director, Molecular Biology, Gene-Trak, Framingham, MA
1991-92	Panagiotis Bakos, MD	Research Fellow	Attending in Anesthesia, Cleveland, OH
1990-92	Mihalis Alexandrakis, MD	Research Fellow	Associate Professor, Hematology-Oncology, Un. of Crete, Greece
1990-93	Mervat El-Mansoury, MD	Research Fellow	Attending in Anesthesia, Bay State, Boston, MA

1991-94	Efthymios Deliargyris, MD	Research Fellow	Invasive Cardiologist, Medical Center, Athens Greece
1991-94	Miltos Sugiultzoglou, MD	Research Fellow	Attending in Neurosurgery, Cornell Hospital, New York, NY
1990-95	J.J. Rozniecki, MD, PhD	Research Associate	Associate Professor of Neurology, Medical Academy of Lodz, Poland
1992-94	Constantinos Spanos, MD	Research Fellow	Instructor in Surgery, Aristotle University, Thessaloniki, Greece
1993-94	Nasser Hosseini, MD	Research Fellow	Instructor in Dentistry, Kaz Medical School, Jeddah, Saudi Arabia
1992-98	Xinzhu Pang, MD, MSc	Research Associate	Attending in Pathology, Walter Reed Medical Institute Washington D.C.
1993-96	Linghua Wang, MD, MSc	Research Associate	Internist, New York, NY
1996-97	Spiros Manolidis, MD, Dsc	Res Asst Professor	Assistant Professor ENT, Columbia University, NY
1994-99	Leena K. Singh, MD, PhD	Research Fellow	Practicing Endocrinologist, CA
1997-98	Apostolos Filippou, MD	Research Fellow	Instructor in Urology, University of Athens, Greece
1998-00	D. Georghe, M.D.	Research Fellow	Attending in Neurosurgery, Paris, France
1998-99	Phani Patra, PhD	Research Fellow	
1998-02	Subimal Basu, MD, PhD	Research Fellow	Bioinformatics Officer, Boston, MA
1998- 09	D. Kempuraj, PhD	Research Associate	Research Scientist I, Iowa Veterans Administration Medical Center
2001-03	Koreaki Sugimoto, MD	Research Fellow	Assistant Professor of Neurology, Osaka, Japan
2001-04	Spyridon Christodoulou, MD	Research Fellow	Attending Surgeon, London
2002--03	Man Huang, PhD, MD	Research Fellow	Research Associate, Eli Lilly, OH
2002-03	B. Kempuraj, MD	Research Associate	Research Associate, U Iowa
2003-05	N. Papapodoulou, PhD	Research Fellow	Junior Group Leader at IMM, U Cologne, Germany
2006-07	Vahagn Kotsinyan, MD	Research Fellow	
2007	Margaret Michaelian, MD	Research Fellow	

2008-09	Taxiarchis Kourelis, MD	Research Fellow	Resident in Medicine, U Connecticut
2008-10	Akrivi Manola, MD	Research Fellow	Resident in Medicine, U Connecticut
2009-11	Asimena Angelidou, MD	Research Fellow	Resident in Pediatrics, U Texas Southwestern Med Center, Dallas, TX
2009-11	Konstantinos-Dionysios Alysandratos, MD	Research Fellow	Resident in Medicine, U Texas Southwestern Med Center, Dallas, TX
2009-13	Shahrazad Asadi, Pharm D	Research Fellow	Pharmacist, MGH, Boston
2009-10	Zoi Magga, MS	Research Fellow	
2010-12	Nikos Sismanopoulos, MD	Research Fellow	Resident in Medicine, St. Elizabeth's MC
2010-11	Danae Delivanis, MD	Research Fellow	Resident in Medicine, U Connecticut
2010-12	Alexandra Miniati, MD	Research Fellow	Resident in Medicine, Lahey Clininc, MA
2012-13	Anna Karagkouni, MD	Research Fellow	Resident in Medicine, Jacoby Hospital, Albert Einstein College of Medicine, NY
2012-13	Michail Alevizos, MD	Research Fellow	Resident in Psychiatry, Weschester Hospital, NY
2012-13	Melina Shioni, MD	Research Fellow	Resident in Anesthesiology, BU Med Ctr
2013-14	Despoina Mavrommati, MD	Research Fellow	Staff physician, LifespAN, RI
2013-23	Eirini Tsilioni, PhD	Research Associate	

Collaborators

1987-	Pio Conti, Dsc	Professor	University of Chieti, Italy
2014-	Isaac Melamed, MD	Director	IMMUNOe, Denver, CO

Training of Graduate Students

<u>Year</u>	<u>Name</u>	<u>Degree</u>	<u>Present Position</u>
1978-79	Stewart Greissman, MD	MD, Yale Sch of Medicine	Asst. Professor of Rheumatology, Cornell Medical Center, New York
1980-82	Nikolaos Tsakalos, MD	DSc, Aristotle University Greece (deceased 1/86)	Instructor in Medicine, Aristotle University, Thessaloniki, Greece
1985-90	Mona Lambracht-Hall, BS	PhD, Tufts University	Associate Professor of Biology, Wellesley College, Wellesley, MA
1991-92	G. Goumenos, BPh, DDS	MS, Tufts University DSc, Athens Univ. Greece	Asst. Professor of Periodontology, Athens Univ. School of Medicine, Greece
1989-93	A. Konstantinidou, MD	DSc, Aristotle University Greece	Practicing Neurologist, Thessaloniki, Greece
1990-93	H. Vliagoftis, MD	DSc, Aristotle University Greece	Assistant Professor in Internal Medicine Canada
1992-93	Eman Haggag, MS	DSc, Cairo University	Research Scientist, National Egypt Research Foundation, Egypt
1989-95	Ivan Correia, MS, MBA	PhD, Tufts University	CEO, Biotech Company, Cambridge, MA
1994-95	Mohammed Alhelal, DDS	MSc, Tufts University	Faculty of Dentistry, Riahd University, Saudia Arabia
1994-98	Leena Singh, MD	PhD, Tufts University	Practicing Endocrinologist, CA
1998-02	Pamela Esposito, BS	PhD, Tufts U.	Researcher, Galena Pharmaceuticals, Cambridge, MA
1999-02	Man Huang, MD	PhD, Tufts U.	Research Associate, Eli Lilly, OH
1999-02	Michael Lytinas, DDS	PhD, U. Athens	Inventor, Boston, MA
1999-03	Kristiana Kandere, BS	PhD, Tufts U.	Post-doctorate Fellow, NorthWestern University, IL
2002- 03	Abdulmohsen Alrohaimi, DDS	MS, PhD Tufts U.	VP, FDA, Saudi Arabia
2002- 05	Jill Donelan, BS	PhD, Tufts U	Scientist II, Millenium Pharmaceuticals, MA
2003-05	Jing Cao, M.D.	PhD, Tufts U	Post-doctorate Fellow, Cancer Inst., NJ
2005-08	Michael Tagen, BS	PhD, Tufts U	Senior Research Investigator, Bristol-Myers Squibb, Princeton, NJ

2007-08	Virginia Karapanou, DMD.	MSc, Tufts University	Associate Professor of Endodontics, Tufts School of Dental Medicine
2008-11	Bodi Zhang, MPH	PhD, Tufts University	Strategy Consultant, Thorne Res
2009-11	Evangelos Papathanasiou, DMD	MS, Tufts University	Associate Prof. Periodontologist, Tufts University Dental School, MA
2008-13	Zuyi Weng, BA	PhD, Tufts University	Res Fellow, Nanjing DrumHospital, China
2006-10	Magdalini Vasiadi, BA	DSc, Athens University	NYU Law School
2009-13	Magdalini Vasiadi, BA	PhD, Tufts University	IP Litigation, Paul Hastings, NY
2011-	Anilia Taliou, MD	DSc candidate, Athens U	Dept of Pediatrics, Athens U
2011-	Anastasia Therianou, MD	DSc candidate, Athens U	Dermatology, King's College, London
2011-15	Alexandra Miniati, MD	DSc, Athens U	Hospitalist, Lahey Clinic, MA
2012-16	Arti Patel, MS	PhD, Tufts U	Postdoc, Novartis, Cambridge, MA
2012-17	Alexandra Taracanova	PhD, Tufts U	VP Acad Partnerships, RTW
2014-16	Ania Petra, MD	DSc, Athens U	Dermatology, Al. Syggros Hospital, GR
2015-17	Pinelopi Pani, DMD	Masters, Tufts Dental	BU staff
2013- 21	Iro Palaska, DM, MS	DSc, Athens U	Queens College, London
2014-18	Amanda Gross, BS	PhD, Tufts U	Assoc. Dire, Immunol SeromYx Systems
2015-19	Mona Bawazeer, PharmD, MS	PhD, Tufts U	Asst Prof, Riyad Sch of Pharmacy
2018-19	Khlood Almeahmadi. Pharm D	MS, Tufts U	PhD csand, Oklahoma State Univ
2018-23	Anilia Taliou, MD	DSc, Athens U	Practicing Pediatric Endocrinology

Graduate Student Rotations

1984	Charles Vecoli	2002	Abdu Alrohaimi
1985	Karen J. Kotkow	2003	Lu Gan
1986	Jennifer Hartigan	2003	Anna Markowska
1986	Barbara LeDuc	2004	Man Chun
1989	Ivan Correia	2004	Lauren Oleson
1989	Michael Polymenis	2005	Brigham B. Hyde
1993	Leena Kudchadker	2005	Michael Tagen
1994	Monette M. Cotreau-Bibbo	2005	Brenda Stoller
1997	Beverly Harrington	2006	Kathryn Heard
1998	Pamela Esposito	2008	Bodi Zhang
1998	Leah Hesse	2009	Erin Fields
1998	Kerry Culm	2010	Katie Weng
1999	Kristiana Kandere	2011	Tuiy Vien
2000	Jill Berry	2011	Arti Patel
2001	Sarah Poplawski	2018	Khlood Almeahmadi

Medical, Dental and Masters Student Research Training

1985	Alicia Cartagena	M '88
1985-86	Aviva Lee-Parritz	M '88
1985-86	John Savala	M '90
1989-90	John Malczynski	M '91
1989-90	Jonathan Gorbach	M '93
1990	Todd Leventhal	M '92
1992	Ali Habibi	M '94
1992	Shahram Haghaddam	D '94
1999	George Chiang	M '00
2004	Matthew Christian	M '05
2004	Craig Weikau	M' 08
2005	Kristen Farwell	M'08
2007-10	Dean Papaliodis	M' 11
2010-11	John Stratigis	M' 14
2016	Linh Dang	M' 18
2017	Ashley Medeiros	M'20

Masters in Biomedical Sciences Thesis

2010-11	Petel Milonas
2011-12	Steven Punzell
2013	Lauren Arbetman
2014	Thomas Soussou
2015	Amal Ashgar
2016	Jacob Blitstein
2017	Alejandro Delgado
2018	Ablam Bogis
2018	Aarane M. Ratnaseelan
2018	Annie Won
2018	Alejandro Delgado
2018	Zachary Dai
2019	Rebecca S. Park

College Student Research Training

1990-91	John Solomonides	Tufts '91	
1990	Helen Delihatsiou	MIT '91	
1992	Patti Siri	Tufts '92	
1993	Jessica Greenwood	Tufts '93	
1993-94	Tania Mangones	BU '95	
1994	Eric Evans	Tufts '94	
1995	Lisa Alferes	Tufts '95	
1995	Nicholas Varelas	BunkerHill '99	
1995	Konstantinos Ligris	BU '98	
1995-99	Nicholas Alexakos	Tufts '97	
1995	Dana Wald	Tufts '96	
1996	Jose Betances	Amherst '98	(NIH - Minority Trainee)
1997	Panagiotis Theofilopoulos	U. Athens '98	
1997	Tracye D. Kyles	Southern U. '98	(NIH - Minority Trainee)
1998	Kim Bates, R.N.	Tufts '99	
1998-99	Marlon Green	U. Mass. Boston '01	(NIH-Minority Trainee)
1998	Kathleen Spear	Curry College '99	
1999-00	Antone Alfonso	Curry College '00	
2000	Sheila Jeudy	Tufts '03	(NIH-Minority Trainee)
2000	Athena-Eleni Mavroudhes	BU '00	
2000	Gregory Patakos	Tufts '02	
2006	Rachel Singh	Tufts '06	
2006	E.J. Isoba	Tufts '06	
2006	Lauren Hess	U. Texas at Austin '08	
2006-07	Nivine Baba	Am. U. Beirut '06	
2007	Vasilios Kotsiopoulos, BS	BU '07	
2009	Jennifer Eng	Tufts '11	
2009	Vangelis Papadimas	Cornell '09	
2011	Maria Deligiannides	Olivet Nazarene University ,12	
2018	Jaanvi Sant	Tufts '19	

Post-Baccalaureate Student Research Training

2005-07	Anthony Clemons	NIH PREP Fellow	PhD graduate, U Winsconsin
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High School Student Summer Research Training

1985	Tracy Desmond	Museum of Science Internship
1986	Diane Pfaelzer	Museum of Science Internship
1992	Ruth Dorcelus	NIH Minority Trainee
1993	Novella Brady	Boston Latin Academy, NIH Minority Trainee
1993	Nicholas Karatzas	Woburn High, went to Boston U.
1993	Anastasia Condos	Windsor High, went to Harvard U.
1993	Konstantinos Ligris	Newton South, went to Boston U, Boston Law
1994	Jason Goler	Walpole High, NIH Minority Trainee
1995	Monica David	Newton North, NIH Minority Trainee
1996	Marlon Green	Madison Park, NIH Minority Trainee
1997	Paki Philips	Pinkerton Academy, NIH Minority Trainee
1998	Cynthia Mompont	Montrose School, NIH Minority Trainee, went to Georgetown U.
1998	Daphne Duvalsaint	Stoughton High School, Stoughton, MA
1999	Sheila Jeudy	Fontbonne Academy, Milton, MA, NIH Minority Trainee, went to Tufts Univ
2001	Amma Asane	Milton Academy, NIH Minority Trainee
2001	David Tutor	Newton South
2002	Joshna Hicks	Brookline High, NIH Minority Trainee
2003	Rayna Briceno	Newton County Day, NIH Minority Trainee, will attend Tufts U.
2004	Kathleen Solage	Boston Latin, NIH Minority Trainee
2004	Tayrickia Adams	Arlington High, NIH Minority Trainee
2005	Harrison Barnes	Brimmer & Mary School, Chestnut Hill, MA, NIH Minority Trainee
2005	Linwood Jackson	Archbishop Williams High, Braintree, MA, NIH Minority Trainee
2007	Cedric S. White	St. Sebastian's School, MA, NIH Minority Trainee
2009	Kwaku Acheampong	Xaverian Brothers High School, MA
2009	Trisha Barungi	
2009	Chris Kalogeromitros	Psychico Athens Prep School, Athens, Greece
2010	Jodaelle Racine	Prospect Hill Academy Charter School, Cambridge, MA
2011	Rose Fountotos	Marianopolis College, Montreal, Canada
2013	Mariana Athanasiou	Sadbury High school, MA

Graduate Student Doctoral Committee Chair

2011	Daniel O'Connell	Biochemistry
2011	Katherine Heard	Biochemistry
2012	Brendan H. Oakes	Pharmacology and Experimental Therapeutics
2012	Michael J Hanley	Pharmacology and Experimental Therapeutics
2013	Malek Najjar	Pharmacology and Experimental Therapeutics
2013	Fiaturi Najla	Pharmacology and Experimental Therapeutics
2013	Lei Cao	Pharmacology and Experimental Therapeutics
2016	Bina Julian	Pharmacology and Experimental Therapeutics

2017	Michael Holloway	Pharmacology and Experimental Therapeutics
2018	Smaro Panagiotidou	Pharmacology and Experimental Therapeutics

Courses taught.

- Medical Pharmacology-Medical students
- Medical Pharmacology-Masters in Biomedical Sciences students
- Translational pharmacology-Graduate students
- How to be an Intern-Medical students
- Pharm 218: Immunopharmacology-Advances and Failures in Drug Discovery (Director)

Trainee Distinctions (on work performed in our laboratory)

1985	Alicia Cartagena, MD (M'88)	Dean's Research Fellowship; First Prize, Mennheim-Ingelheim National Student Pharmacology Assay Competition; 1988 Henry J. Kaiser Family Foundation National Medical Fellowship Merit Award, Tufts U.
1985	Mona Lambracht-Hall, PhD ('89)	Berlex Laboratory Graduate Fellowship
1985	Aviva Lee-Parritz, MD (M'88)	Dean's Research Fellowship; 1988 William Dameshek Research Award; 1988 Harry H. Brenner Memorial Award, Tufts University
1986	John H. Savala, MD ('90)	American Heart Association Student Stroke Scholarship
1988	Leticia Acquah, MD (M'88)	Kos Pharmaceuticals Student Fellowship
1990	Todd Leventhal, MD (M'92)	American Foundation for Urologic Disease Fellowship
1990	Mohamed G. Haggag, DDS	American Peace Fellowship
1991	John Solomonides, MD (T'90)	New England Hellenic Medical & Dental Society Award
1992	Shahram Hoghaddam (D'93)	Provost and NIH Student Summer Research Fellowship
1999	George Chiang (M'00)	American Urologic Association Student Summer Research Fellowship
1999	Marlon Green (UMass'00)	New England Biomedical Science Careers Award
2001	George Chiang (M'00)	William Dameshek Research Award, Tufts University
2001	Man Huang, M.D.	Christian Herter Fund Travel Award
2002	Man Huang, M.D.	Norris Cotton Cancer Graduate Student Award
2002	Natha Chandler, M.D. (M '02)	William Dameshek Research Award
2005	Jill Donelan, B.S.	Sackler 2004, Experimental Biology 2005 Travel Fellowships
2005	Kristen Farwell, M'08	Harold Williams Tufts Medical Student Research Fellowship
2006	Jill Donelan, B.S., Ph.D. '06	First Louis Lasagna Translational Research Award, Commencement speaker 2006, Tufts University
2008	Michael Tagen, B.S., Ph.D. '08	Experimental Biology 2008 Travel Award New England Pharmacologists 2008 Award Sackler 2008 Travel Award
2010	Bodi Zhang, M.D., M.P.H., Ph.D. '11	Sackler Earl Charton 2010 Award
2014	Alexandra Taracanova, B.S., Ph.D. '17	Dean's Fellowship

Summary of Publications and Citations

	Type	Number	Page
a.	Theses	2	32
b.	Books	3	32
c.	Live presentations		34-37
d.	Full papers	250	38-54
e.	Reviews/Chapters	262	55-71
f.	Commentaries/Editorials/Letters	45	72-74
g.	Case reports	14	75
h.	Abstracts/Proceedings	198	76-89
Total		769	
i.	Non-print publications	1	90
j.	Invited lectures	334	91-107
k.	Podcasts		108-21

**Publications: 500 papers in www.pubmed.gov (Google Scholar 49, 49,887 citations, *h-index* 114).
<https://pubmed.ncbi.nlm.nih.gov/?term=theoharides&sort=date>**

a. Theses

- 1972 ***Medical Psychology in pre-Hippocratic Greece***
Joint Bachelor of Arts, Departments of Biology and History of Science and Medicine, Yale University (Professors Edgar J. Boell and Frederick L. Holmes, advisors)
- 1978 ***Regulation of Histamine Secretion in Rat Peritoneal Mast Cells***
Doctor of Philosophy, Department of Pharmacology, Yale University (Professor William W. Douglas, advisor)

b. Books

Theoharides, T.C. *Pharmacokinetics: Administration, Uptake, Distribution, Biotransformation and Excretion of Drugs*, pp. 1-151. Pournaras: Thessaloniki, Greece, 1981.

Theoharides, T.C. (ed.) *Essentials of Pharmacology*, pp. 1-479. Little, Brown and Company: Boston, 1992; 2nd edition, 1996.

Theoharides, T.C. (ed.) *Pharmacology: Basic Principles in Clinical Practice*, pp. 1-750. Litsas Publishers: Athens, Greece, 1997.

Web Sites

- www.mastcellmaster.com
- www.drtheoharides.com

Live Presentations on Autism

- <http://www.autismmedia.org/media3.html>
- <http://www.firstgiving.com/fundraiser/DrTheo/drtheoautismresearchfund>
- <http://www.youtube.com/watch?v=O2F0krqfzMQ&feature=related>
- <http://www.youtube.com/watch?v=pNQsK9PQL3c>
- <http://www.youtube.com/watch?v=-clnT4plFgQ>
- <http://www.youtube.com/watch?v=TMehgaoeHr0>
- <http://www.youtube.com/watch?v=-9rp1DcPnEM>
- <http://www.youtube.com/watch?v=CR8PzLAm-2E&feature=relmfu>
- <http://www.youtube.com/watch?v=EsaBJPc34xM>
- <https://www.youtube.com/watch?v=3QFa36TBtvA>
Polly meets Theoharis Theoharides)
- <https://www.youtube.com/watch?v=9QbZp3WcC1Q>
ARI-Brain Allergy and Autism)
- https://m.youtube.com/watch?list=PLtw9iWxwfPle6Xf6u-cUA7HqevL_G1NqR&v=CwOD2J_Z_BM
AutismOne An Autism Subgroup With Brain Inflammation Is Treatable-2016
- Webinar on Autism Research Coalition (September 17, 2021)
Facebook: <https://www.facebook.com/watch/?v=892263148336515>
YouTube: <https://www.youtube.com/watch?v=xrqLxQGC37Q>
Twitter: <https://twitter.com/CoalitionAutism/status/1438941564365991938>
- <https://tacanow.org/mast-cells/>
- <https://tacanow.org/family-resources/mast-cell-activation-syndrome-and-autism/>
- <https://autismparentingsummit.com/>
- [Algonot Autism 5.2.24 \(1\)](#)
Dr. Theoharides speaks at SunCoastView Sarasota Channel 7, May 2024

Live Presentations on Cancer, Chronic Fatigue Syndrome, Interstitial Cystitis, Mast Cells and Mastocytosis

- <http://www.firstgiving.com/fundraiser/DrTheo/drtheoautismresearchfund>
- <http://www.youtube.com/watch?v=CplxXGpFeKQ>
- http://www.youtube.com/watch?v=h9oj2v_1_Wk
- <http://www.youtube.com/watch?v=1TggRs6FOYw>
- <http://www.youtube.com/watch?v=YDR7b5cRhoo>
- <http://www.youtube.com/watch?v=zaPo0r37wEc>
- <http://www.youtube.com/watch?v=ME979bUD1J8>
- <https://www.youtube.com/watch?v=92nrFwcNSwc>
- <https://www.youtube.com/watch?v=Owt8NO7ahU>
My mystery symptoms and mast cells (30,309 views)
- <http://www.betterhealthguy.com/episode58>
On Mastocytosis, Mast cell activation, Lyme and Mold-2018)
- <https://mastcellactivation.byhealthmeans.com/>
- <https://www.healthrising.org/blog/2022/08/28/the-free-7-day-online-mast-cell-activation-summit-is-almost-here/>

- <https://www.mastcell.drtalks.com/free-access-day-2/>
- <https://www.youtube.com/watch?v=7Ypkh8QSuOE&authuser=0>
- <https://www.youtube.com/watch?v=-Ug6T-CqikU&feature=youtu.be>
- <https://www.youtube.com/watch?v=jBPW5IKufsA>
- <https://podcasts.apple.com/us/podcast/ep02-demystifying-mast-cells-how-to-get-the-right-diagnosis/id1724900423?i=1000641017855>
- <https://www.youtube.com/watch?v=YE6tq1sBjfo&t=8s>

Dr Theoharides speaks at the 9-2023 NIH workshop on Neurologic Aspects of Long-COVID On SARS-CoV-2 spike protein,neuroinflammation and brain fog.

- https://us06web.zoom.us/rec/share/P8dEhYR9jxi2MtX8mMSKgHNL_VoXmr12ECN35pgH6L6w7JV2xtk3XnkHnJl-dfWY.Cb0Yn-cYjHVj6rvU

Passcode: q*bwPX3M

Dr. Theoharides' recorded webinar: "Mast Cell Over-Activation, and How it Affects our Mind and Body Well Being." This webinar was hosted by the Center for Neurodiversitet in Copenhagen, Denmark. After clicking the webinar link, please be sure to type in the password listed below.

- <https://www.youtube.com/watch?v=xY0O87utEQ0&t=1s>

Pelvic Health Support Canada (May 2024)

- <https://podcasts.apple.com/us/podcast/ep02-demystifying-mast-cells-how-to-get-the-right-diagnosis/id1724900423?i=1000641017855>

Dr. Theoharides on complex diseases-Spring 2024

- <https://www.youtube.com/watch?v=jBPW5IKufsA>

Dr. Theoharides on demystifying mast cell activation
Spring 2024

- [Algonot Autism 5.2.24 \(1\)](#)

Dr. Theoharides speaks at SunCoastView Sarasota Channel 7, May 2024

- [Theoharis Theoharides - The Mast Cell Master — TLC SESSIONS](#)

Dr. Theoharides speaks on Long COVID in the Long COVID Sessions, Spring 2024

Radio presentations

- <http://www.blogtalkradio.com/thecoffeeklatch/2015/02/04/dr-theoharides--mast-cell-disorders-1>
Interview of Dr. Theoharides by Mary Ann Rousso to The BlockTakRadio/Coffee Klatch/Special Needs Radio on Mast Cell Disorders
- <http://drhoffman.com/podcast/a-promising-neuro-protective-nutraceutical-part-1/#sthash.m2IeT3jZ.EDkqysmU.dpbs>
Interview of Dr. Theoharides on intelligent radio by Dr. Hoffman on the benefits of luteolin
- <https://genefood.libsyn.com/supplements-that-battle-covid-19-repurposing-pharmaceuticals-the-cytokine-storm-and-getting-smarter-for-the-second-wave-with-dr-theoharis-theoharides>
The GeneFood Podcast (7/2020) Supplements That Battle Covid-19, Repurposing Pharmaceuticals, The Cytokine Storm, And Getting Smarter For The Second Wave With Dr. Theoharis Theoharides
- <https://www.lookingatlyme.ca/2021/01/welcome-back-dr-theoharides-tells-us-about-mast-cells-and-neuroinflammation/>
Looking at Lyme (11/2020)
- <https://podcasts.apple.com/us/podcast/ep02-demystifying-mast-cells-how-to-get-the-right-diagnosis/id1724900423?i=1000641017855>

Live Presentations on COVID-19 and Long-COVID

Presentations in Greek

- <https://www.youtube.com/watch?v=NG2UeT8UaxE&feature=youtu.be>
Program celebrating the life of Dr. Theoharides (2019)
- <http://www.ert.gr/o-dr-theocharis-theocharidis-exigi-sti-dipli-matia-ti-ine-to-sindromo-brain-fog-vid/>
Συνέντευξη του Δρ. Θεοχαρίδη Ζωντανά στη Διπλή Ματιά της EPT για την «Ομίχλη του Εγκεφάλου.»
- <http://www.cnn.gr/synenteyxeis/video/5742/dr-theoxaridis-ti-einai-i-flegmoni-kai-pos-antimetopizetai>
Συνέντευξη του Δρ. Θεοχαρίδη στο **CNN.gr** για την «Φλεγμονή του Εγκεφάλου»
- <http://www.tovima.gr/science/article/?aid=815292>
Συνέντευξη του Δρ. Θεοχαρίδη για την «Ομίχλη του Εγκεφάλου» στο ΒΗΜΑ ΤΗΣ ΚΥΡΙΑΚΗΣ
- <https://m.youtube.com/watch?v=couGSFsGMFo>
Συνέντευξη του Δρ. Θεοχαρίδη στην KPTH-TV-Ο Κορωναιος στο Μικροσκόπιο της Επιστήμης
- <https://www.healthweb.gr/synenteykseis/34905-αποκλειστική-συνέντευξη-από-τον-δρ-θεοχάρη-θεοχαρίδη-σε-12-μήνες-μπορεί-να-βρεθεί-θεραπεία-για-τον-κοροναϊό>
Συνέντευξη του Δρ. Θεοχαρίδη στην Νικολέτα Ντάμπου (6/2020)
- <https://www.kathimerini.gr/society/561191395/i-mystiriodis-omichli-egkefaloy-ton-epizonton-toy-koronoioy/>
Συνέντευξη του Δρ. Θεοχαρίδη στην Μαρία Αθανασίου-Καθημερινή για COVID-19 Brain Fog (12/12/2020)
- https://www.ekirikas.com/omogeneia_ameriki_genika_nea/arthro/dr_theoxaris_theoxaridis_h_omixli_egkefalou_tou_koronoioy_thymizei_tin_omixli_egkefalou_asthenon_pou_kanoun_ximeiotherapeia-1583631/
Συνέντευξη του Δρ. Θεοχαρίδη στην ‘Αρια Σωκράτους-Εθνικό Κήρυκα για τον COVID-19 και την ομίχλη εγκεφάλου (23/1/2021)
- <https://www.moneyreview.gr/announcements/16919/koronoios-emvolia-farmaka-kai-alla-giati-den-syzitioyntai-vasika-erotimata/>
Αρθρο του Δρ. Θεοχαρίδη στην Καθημερινή για ερωτήματα σχετικά με COVID-19 (02/08/2021)
- <https://ygeia2day.gr/%cf%80%ce%b1%ce%b3%ce%ba%cf%8c%cf%83%ce%bc%ce%b9%ce%b1%ce%b7%ce%bc%ce%ad%cf%81%ce%b1%ce%b1%cf%85%cf%84%ce%b9%cf%83%ce%bc%ce%bf%cf%8d%ce%b4%cf%81%ce%b8%ce%b5%ce%bf%cf%87%ce%b1%cf%81%ce%af%ce%b4/>
Αρθρο του Δρ. Θεοχαρίδη στην Στελίνα Μαργαριτίδη για την ημέρα του Αυτισμού (2/04/2021)
- <https://www.makthes.gr/kleidoste-ton-koronoio-exo-apo-ta-kyttara-374610>
- <https://www.thinkfree.gr/kleidoste-ton-koronoio-exo-apo-ta-kytt/>
- <https://www.daynight.gr/ellada/aytismos-elpida-giatros/>
- <https://ygeia2day.gr/moria-polufainolhs/>
- <https://www.makthes.gr/to-syndromo-toy-long-covid-kai-i-exatomikeymeni-prostasia-apo-ton-koronoio-484033>
- https://ygeia2day.gr/long-covid-syndrome-kai-exatomikeymeni-prostasia-apo-ton-koronoio/?fbclid=IwAR3a3KR0D2W9PAeWv6lyiq_7EWuaFn8C24P95EbY2UUTGt4BfBAB8MVzU60

- <http://youtu.be/FSPwp2AjVsk>
Interview with Dr. Theoharides on NewGreek-TV with YannaDarilis on COVID-19
- <https://www.ekirikas.com/dr-theocharis-theocharidis-sto-periodik/>
 - **Podcast (Canada)-The IC/vulvodynia connection-December 2024**
<https://www.youtube.com/watch?v=EjylpEFau88&t=987s&authuser=0>

d. Full Peer-Reviewed Papers

1. Theoharides, T.C. Galen on marasmus. *Journal of the History of Medicine and Allied Sciences* 26:369-390, 1971.
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f. Commentaries/Editorials/Letters

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190. Tagen, M., Elorza, A., Shirihai, O., Theoharides, T.C. Uncoupling protein 2 regulates histamine production and mast cell activation *New England Pharmacologists Meeting 2008*-Abstract O-15. (Feb 29-March 1; Dedham, MA).
191. Vasiadi, M., Kalogeromitros, D., Kempuraj, D., Theoharides, T.C. *Rupatadine inhibits mediator secretion from human mast cells*. XXVII Congress of the European Academy of Allergology and Clinical Immunology (June 7-11; Barcelona, Spain), in press.
192. Kempuraj, D., Iliopoulou, B.P., Clemons, A., Boucher, W., Tagen, M., Vasiadi, M., House, M., Wolfberg, A., Theoharides, T.C. Human mast cells stimulate activated T cells, an effect increased by substance P and inhibited by the flavonoid luteolin. XXVII Congress of the European Academy of Allergology and Clinical Immunology (June 7-11; Barcelona, Spain), in press.
193. Tagen, M., Elorza, A., Shirihai, O., Theoharides, T.C. Uncoupling protein 2 regulates mast cell histamine production and activation. *FASEB 2008*, in press. 5th International Innate Immunity Conference (June 21-26; Hania, Greece, 2008).
194. Kempuraj, D., Hogan, J., Zhang, B., Kourelis, T., Manola, A., Theoharides, T.C. Mercury chloride triggers human mast cells to release vascular endothelial growth factor (VEGF)-relevance to autism. AAI, in press.
195. Asadi S, Zhang B, Weng Z, Angelidou A, Kempuraj D, Alysandratos K-D, Theoharides TC. Thimerosal induces VEGF release from human mast cells, but its effect is weakened by its thiosalicylate component and is blocked by luteolin. *The Emerging Neuroscience of Autism Spectrum Disorders: Etiologic Insights; Treatment Opportunities*. Society of Neuroscience (November 11-12, 2010; San Diego, CA).
196. Angelidou A, Francis K, Vasiadi M, Alysandratos K-D, Zhang B, Asadi S, Theoharides A, Lykouras L, Kalogeromitros D, Theoharides TC. Neurotensin is increased in serum of young children with autism. *The Emerging Neuroscience of Autism Spectrum Disorders: Etiologic Insights; Treatment Opportunities*. Society of Neuroscience (November 11-12, 2010; San Diego, CA).
197. Zhang B, Alysandratos K-D, Angelidou A, Vasiadi M, Kempuraj D, Tagen M, Asadi S, Theoharides TC. TNF secretion from human mast cells is regulated by mitochondrial dynamics and mitochondrial uncoupling protein 2 (UCP2). *Am. Assn. Immunol.* (May 14, 2010; Baltimore, MD)
198. Theoharides TC, B. Zhang B, Asadi S, Weng Z. Human mast cells secrete mitochondrial DNA that has inflammatory actions, is increased in the serum of children with autism and is inhibited by luteolin. *Am. Assn. Immunol.* (May 7, 2013; Honolulu, Hawaii).

i. Non-print publications

1. The *Pharmacology TextStack*. Educational Software for pharmacology available for Macintosh and windows. Keyboard Publishing, PA, 1992.

The *Pharmacology TextStack* is an electronic edition of *Pharmacology*, a student-friendly succinct text, problem and review book edited by Theoharis C. Theoharides and published by Little, Brown & Co, 1992. In addition to the complete text and all figures, diagrams and tables appearing in the textbook, this program also includes all of the review and self-testing materials from the text, with complete feedback on all questions and easy access to the full text for additional review.

This was the **only** textbook of pharmacology available in an electronic edition at the time and was ideal for teaching purposes. Each chapter in the *Pharmacology TextStack* begins with a statement of objectives and ends with a self-testing module linked to related sections in the chapter, making it ideal for easy incorporation into the pharmacology curriculum in medical, dental, pharmacy and basic science programs.

The *Pharmacology TextStack* enables you to locate, view, manipulate, tag and save information on key topics. As with other Keyboard Series software, the *Pharmacology TextStack* is fully searchable - locate any word or phrase from this 600 page text quickly and easily.

In addition, the *Pharmacology TextStack* includes a unique Transcript function that lets you build customized lessons for easy review and learning, letting you add your own notes to further enhance the materials provided by the program.

k. Invited Lectures

- 1) 1975 Genetics Colloquium, University of Michigan, Ann Arbor, MI
- 2) 1978 Biological Basis of Cancer Chemotherapy, Thessaloniki, Greece
- 3) 1980 Immunology Rounds, Johns Hopkins University/Good Samaritan Hospital, Bethesda
- 4) 1980 IXth Congress of the European Association of Poison Control Centers, Greece
- 5) 1981 Cystic Fibrosis Rounds, University of Florida, Gainesville
- 6) 1982 Health Care Delivery in Greece, New York
- 7) 1983 United Nations Environment Program - Mediterranean Action Plan, Athens
- 8) 1984 Gastroenterology Rounds, Boston University Medical Center, Boston
- 9) 1984 Ninth International Congress of Pharmacology, London
- 10) 1985 Immunotherapy of Cancer, Thessaloniki, Greece
- 11) 1986 Second World Conference on Inflammation, Monte Carlo
- 12) 1986 Conference on Healing, New York
- 13) 1986 Third E.N.T.- Neurosurgery Italian-Greek-Jugoslav Congress, Rome
- 14) 1986 National Conference on Cancer Treatment, Thessaloniki, Greece
- 15) 1987 World Conference on Analgesics, Caracas
- 16) 1987 Internal Medicine Association of Guatemala, Guatemala City
- 17) 1987 Neurology Grand Rounds, Social Security Administration of Mexico
- 18) 1987 Conference on Science and Religion, Boston
- 19) 1987 World Congress of Pediatrics, Panama
- 20) 1987 Fifth World Congress on Pain, Hamburg
- 21) 1987 35th Meeting of the European Tissue Culture Society, Patras, Greece
- 22) 1989 Third Interscience World Conference on Inflammation, Monte-Carlo
- 23) 1989 Fourth E.N.T. - Neurosurgery Italian-Greek-Jugoslav Congress, Greece
- 24) 1990 Annual Meeting, National Nutritional Foods Association, Boston
- 25) 1990 Panel speaker: 3rd ICA/NIH National Meeting on Interstitial Cystitis, New Orleans, LA
- 26) 1991 Sixth Panhellenic Congress of Otorhinolaryngology-Allergic Rhinitis, Thessaloniki
- 27) 1991 Panel Speaker: 4th ICA/NIH National Meeting on Interstitial Cystitis, Arlington, VA
- 28) 1992 First Panhellenic Congress of Allergy and Clinical Immunology, Athens

- 29) 1992 Pharmacology Program, Mt. Sinai School of Medicine, New York
- 30) 1992 Immunology Program, McMaster University, Canada
- 31) 1992 XI International Symposium on Infection and Allergy of the Nose, Rome
- 32) 1993 Fifth World Conference on Inflammation, Geneva
- 33) 1993 Keynote speaker: New trends in IC therapy, PA ICA Association, Harrisburg, PA
- 34) 1993 Keynote speaker: 7th NIH/ICA National Meeting, Orlando, FL.
- 35) 1993 Keynote speaker: *Pathophysiology of interstitial cystitis: the role of the mast cells*, First International Seminar on Female Urology in Patras, Greece (November 19-21, 1993).
- 36) 1994 *New Trends in the treatment of urticaria: neuroimmunoendocrine stimulation of skin mast cells*. Fourth International Symposium on Dermatology, Jeddah, Saudi Arabia (January 31-February 3, 1994).
- 37) 1994 *Differentiation and pathophysiology of bone marrow-derived mast cells*, Evangelismos General Hospital, Athens, Greece (February 7, 1994).
- 38) 1994 Keynote speaker: *The mast cell and inhibitors of its degranulation*, Second Panhellenic Congress of Allergy and Clinical Immunology in Athens, Greece (February 10-12, 1994).
- 39) 1994 *Pathophysiology of neuroimmunoendocrine syndromes*, AHEPA General Hospital, Thessaloniki, Greece (February 14, 1994).
- 40) 1994 *Inhibition of mast cell secretion by a unique phosphoprotein*, Yale University School of Medicine (May 20, 1994).
- 41) 1994 Keynote speaker: *Scientific and social implications of generic drug use*, Second Panhellenic Congress of Hospital Pharmacists, Thessaloniki, Greece (May 27, 1994)
- 42) 1994 Keynote speaker: *Politics and funding of drug development for orphan diseases*, Seventh Panhellenic Pharmaceutical Congress, Athens, Greece (June 11, 1994).
- 43) 1994 Keynote speaker: *Neuroimmunoendocrine involvement in interstitial cystitis*. Tenth Annual Meeting, Texas ICA, Houston, TX (November 5, 1994).
- 44) 1994 State of the Art Lecture: *Pathophysiology and treatment of interstitial cystitis*. C.E. Acken International Meeting in Wuppertal-Barmen, West Germany (December 1, 1994).
- 45) 1995 *Neuroimmunoendocrine stimulation of mast cells: new implications for pathophysiology and therapy*, Pulmonary and Critical Care Division, Tufts-New England Medical Center.
- 46) 1995 Plenary Lecture: *Neurogenic inflammation and neuroinflammatory disorders*. Sixth World Conference on Inflammation, Geneva, (March 28, 1995).
- 47) 1995 *Stress-induced skin mast cell activation*. International Meeting on Mast Cell-Neuron Interactions, Berlin (September 1995).
- 48) 1995 *Pharmacology of interstitial cystitis: workshop*. Eighth Annual ICA Meeting, San Diego (October 1995).

- 49) 1996 *The mast cell: a neuroimmunoendocrine master player.* 2nd European Medical Students' Symposium, Thessaloniki, Greece (May 4-5, 1996).
- 50) 1996 *New trends explaining the pathophysiology of allergy: correlation with neuroinflammatory syndromes.* Pan Cretan Medical Congress, Heraklion, Greece (October 24-27, 1996).
- 51) 1996 *Neuroimmunoendocrine basis of interstitial cystitis.* 3rd International Society for Neuroimmunomodulation, Bethesda MD (November 13-15, 1996).
- 52) 1996 *Pathophysiology of migraines and the role of stress.* First Pain Congress of the Hellenic Pain Society, Volos, Greece (December 1-3, 1996).
- 53) 1997 *Urocortin-induced skin mast cell activation and vasodilation: implications for the role of stress in atopic diseases.* Section of Allergy and Clinical Immunology, Yale University School of Medicine, New Haven, CT (March 7, 1997).
- 54) 1997 *A natural phosphoprotein inhibiting mast cell secretion: implications for the therapy of atopic diseases.* Annual Congress of the European Association of Allergy and Clinical Immunology, Rhodes, Greece (June 1-5, 1997).
- 55) 1997 *Urocortin and CRF trigger mast cell activation and increased vascular permeability: implications for the pathophysiology of stress-induced atopic and inflammatory syndromes.* Seventh Interscience World Conference on Inflammation, Geneva (May 19-21, 1997).
- 56) 1997 *Chairman, Round table discussion on post graduate medical education.* Third European Medical Student Congress, Crete, Greece (April 11-13, 1997).
- 57) 1997 *Chairman, Symposium on Immune-Neuronal-Endocrine Interactions in the Pathophysiology of Allergic and Autoimmune Diseases.* Annual Congress of the European Association of Allergy and Clinical Immunology, Rhodes, Greece (June 1-5, 1997).
- 58) 1997 *Grand Rounds. Interstitial Cystitis and Pelvic Pain.* Department of Obstetrics and Gynecology, Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire (October 9, 1997).
- 59) 1997 *Pharmacology and Interstitial Cystitis.* Interstitial Cystitis Association's Ninth Annual Meeting, Arlington, VA (November 1 & 2, 1997).
- 60) 1997 *CRH-Induced Vascular Permeability and Its Role in Stress-Induced Syndromes.* University of Pennsylvania Medical Center (November 5, 1997).
- 61) 1998 *Allergy and mast cell mediators in cyclic vomiting.* 2nd International Scientific Symposium on Cyclic Vomiting Syndrome, Milwaukee, WI (April 24-25, 1998).
- 62) 1998 *Psychological stress triggers cardiac mast cell activation and myocardial ischemia in mice.* XVI World Congress of the International Society for Heart Research, Rhodes (May 30, 1998).
- 63) 1998 *Sex Differences in Pain Perception in Neuroinflammatory Syndromes.* 5th Congress of the Hellenic Anesthesiology and Intensive Care Medicine Society, Thessaloniki (June 5, 1998).
- 64) 1998 *Pharmacokinetics and polypharmacy in the elderly. The problem of benzodiazepines.* 5th Congress of the Hellenic Anesthesiology and Intensive Care Medicine Society, Thessaloniki (June 5, 1998).
- 65) 1998 *Health Care Opportunities in the Private Sector. Prospects and Challenges for the Greek and International Health Care Sector of Today and Tomorrow.* The Economist Conferences, Athens (November 11-12, 1998).
- 66) 1998 *Corticotropin releasing hormone and mast cells: a new view of neurogenic inflammation.* Endocrinology Grand Rounds, New England Medical Center (Nov 24).

- 67) 1999 *Biomedical research and health as stabilizing factors among world communities*. Key Note Address: Fifth World Hellenic Biomedical Conference, New York City (December 4-6, 1998).
- 68) 1999 *Novel approaches to pain: gender, sex and neurogenic inflammation*. HIT: Hellenic-Israeli-Turkish Conference on Pain, Crete (May 1999).
- 69) 1999 *Effect of acute stress on inflammatory processes*. European Conference on Biomedical Research and Peace, Cyprus (October 17-21, 1999).
- 70) 2000 *Pathophysiology and treatment of neuro-inflammatory syndromes*. First Congress of the Hellenic Pharmacological Society, Athens (February 19, 2000).
- 71) 2000 *The use and abuse of ethical medications: the next millennium*. The Economist Conferences, Athens (June 10, 2000).
- 72) 2000 *Translational Research: a case study*. First Conference on Biomedical Research in Education, Heraklion, Greece (October 6-8, 2000).
- 73) 2000 *Acute stress induces cardiac IL-6 release and inflammation: therapeutic effect of natural flavonoids*. Sixth Conference of the World Hellenic Biomedical Association, Athens, Greece (October 11-14, 2000).
- 74) 2001 *Benefits and risks of epharma*. European Conference on Health, Thessaloniki, Greece (March 8, 2001).
- 75) 2001 *Structural requirements for anti-inflammatory effects of flavonoids*. Advanced Medicinal Chemistry Seminars, Thessaloniki, Greece (May 18, 2001).
- 76) 2001 *Design and implementation of an electronic drug interactions program for Greece: why it is needed and why it is not in place*. **The First Flessas Memorial Lecture**. The Hellenic Medical Society of New York and Hellenic Link, Inc. , New York City (June 10, 2001).
- 77) 2001 *Stress-induced inflammation: asthma, migraines, multiple sclerosis and beyond*. Plenary Lecture, National Minority research Symposium, Cancun, Mexico (October 18-20, 2001).
- 78) 2002 *Acute stress-induced blood-brain-barrier permeability, a mast cell and corticotropin releasing hormone dependent process*. Division of Rheumatology, Immunology and Allergy, Brigham and Women's Hospital, Harvard Medical School (March 25, 2002).
- 79) 2002 *Selective release of IL-6 from human mast cells*. Keynote speaker. 8th Annual Meeting, The Mastocytosis Society, Windsor Locks, CT (October 4&5, 2002).
- 80) 200 2 *The role of mast cells in the neurocutaneous axis*. 1st International Workshop on cutaneous neuroendocrinology, Hamburg, Germany (Sept. 13-15, 2002).
- 81) 2002 *Dietary supplement effect on mast cells*. International Symposium on Complementary Alternative Medicine - Allergy, Asthma & Immunology, American College of Allergy, Asthma and Immunology, San Antonio, TX (Nov, 14, 2002).
- 82) 2003 *Mast cells in inflammatory arthritis*. Department of Biochemistry, Tufts University School of Medicine. Boston, MA (January 9, 2003).
- 83) 2002 *Abuse of OTC drugs*. Brookline High School, Brookline, MA. (December 2002 series).
- 84) 2003 *Abuse of dietary supplements*. Brookline High School, Brookline, MA (January 2003 series).
- 85) 2003 *Stress induced-bladder inflammation*. International IC Conference, Kyoto, Japan (March 28 – 30, 2003).
- 86) 2003 *Global health, leadership and world peace*. Keynote Address at 10th Annual Conference of the Midwest Institute, Cleveland, OH (April 5, 2003).

- 87) 2003 *Code 99: Cardiac mast cells feel the squeeze.* Department of Medicine, Tufts - New England Medical Center (April 8, 2003).
- 88) 2003 *Global education and world leadership.* Keynote address, St. Louis Community College, St. Louis, MO (August 25, 2003).
- 89) 2004 *The mast cell as an immune sensor of stress.* Dept. Of veterinary PathoBiology, College of veterinary Medicine, University of Minnesota, St. Paul, MN (April 28, 2004).
- 90) 2004 *Co-Chairman, Emerging Infectious Diseases and New Problems,* 3rd International Workshop on Immunology and Infectious Diseases, Naples, Italy (June 8-10, 2004).
- 91) 2004 *Corticotropin-releasing factor-mast cell axis: Link to allergic diseases.* Stress and Asthma, Arlington, VA (October 2, 2004).
- 92) 2004 *Stem cell physiology/The role of mast cells.* 6th International Cord Blood Society Congress, Boston, MA (October 3, 2004).
- 93) 2004 *Mast cells as key modulators of environmental and psychological stress.* 3rd International Conference on Innate Immunity, Hersonisos, Crete, Greece (October 11, 2004).
- 94) 2004 *Acute stress triggers selective mast cell activation through CRH and IL-1.* Gastroenterology Division, Beth Israel/Deaconess Medical Center-Harvard Medical School, Boston, MA (October 27, 2004).
- 95) 2004 *Selective mast cell activation mediates the effect of acute stress.* The Mind/Body Medical Institute-Harvard Medical School, Boston, MA (November 22, 2004).
- 96) 2005 *Activation of distinct CRH receptors leads to selective secretion of either IL-6 or VEGF from human mast cells.* 5th Mast Cell Workshop: Mast Cell Signaling and Function in Health and Disease, Eilat, Israel (February 6-10, 2005).
- 97) 2005 *Stress, mast cells and CR: The fateful triangle of inflammatory diseases.* 39th Annual Scientific Meeting of the European Society for Clinical Investigation, Athens, Greece (April 9, 2005).
- 98) 2005 *Critical role of mast cells in stress-induced inflammatory disorders.* 6th Meeting of the International Society for NeuroImmunomodulation. Athens, Greece (September 25-28, 2005).
- 99) 2005 *Neuroimmune aspects of painful bladder syndrome/interstitial cystitis and endometriosis: two major chronic pelvic pain disorders.* 6th Congress on Women's health & Disease. Athens, Greece (September 25-28, 2005).
- 100) 2005 *Critical role of mast cells and neuropsychiatric disorders.* Annual Meeting of the Systemic Mastocytosis Society, Santa Ana, CA (October 7-10, 2005).
- 101) 2005 *Mast cells in chronic fatigue syndrome and fibromyalgia.* Munich, Germany (November 28, 2005).
- 102) 2006 *Role of mast cells in inflammatory disorders.* 10th Medical Meeting of the Naval Hospital, Athens, Greece (February 10-11, 2006).
- 103) 2006 *Migraine headaches: the immunologist's view.* Cardiology Update 2006- Cardiology & Neurology at a Crossroad, Athens, Greece (April 14-15, 2006).
- 104) 2006 *The role of mast cells in acute coronary syndromes.* Cardiology Update 2006-Coronary Artery Disease Prevention & Therapy Update, Athens, Greece (April 14-15, 2006).
- 105) 2006 *Stress-induced skin mast cell activation and increased vascular permeability.* Conference on Stress and skin, New York, NY (June 2-5, 2006).

- 106) 2006 *Stress, mast cells and the blood-brain-barriers: the fateful triangle in MS pathogenesis*. Sero Pharmaceutical, Geneva, Switzerland (June 16, 2006).
- 107) 2006 *The immune sensor of environmental stress*. Hellenic Armed Forces Medical Symposium, Thessaloniki, Greece (Nov. 25, 2006).
- 108) 2007 *The spectrum of mastocytosis*. University of Carolina College of Pharmacy, Columbia, SC (January 23, 2007).
- 109) 2007 *Mastocytosis and mast cell activation diseases*. Hellenic Hematology Association, Athens, Greece (Feb. 3, 2007).
- 110) 2007 *The effect of stress on inflammatory diseases*. Open Public University and Hellenic Medical Society, Municipality of Hania, Crete, Greece (Feb. 21, 2007).
- 111) 2007 *Skin corticotropin-releasing hormone receptor expression in urticaria, psoriasis and mastocytosis-implications for multiple sclerosis*. Section of Allergy and Clinical Immunology, Yale University School of Medicine, New Haven, CT (March 9, 2007).
- 112) 2007 *Mast cell-dependent T cell stimulation and inhibition by luteolin*. Section of Allergy and Clinical Immunology, Yale University School of Medicine, New Haven, CT (March 9, 2007).
- 113) 2007 *Kounis syndrome*. In: *Drug-Eluting Stents: Thrombosis and Hypersensitivity*. 56th Annual Scientific Session, Am. College of Cardiology (March 24-27, 2007; New Orleans, LO).
- 114) 2007 *CRH, mast cells and bladder function*. HANS SELYE and Saint Justine Hospital Centennial Symposium: Stress: basic Mechanisms and Clinical Implications (July 11-14, 2007, UNIVERSITÉ DU QUÉBEC À MONTRÉAL (UQAM), Montreal, Qubec, Canada).
- 115) 2007 *Mast cells, T cells and inhibition by luteolin: Implications for the pathogenesis and treatment of multiple sclerosis*. 2nd International Immune Mediated Diseases Congress (September 10-14, Moskow, Russia).
- 116) 2007 *Selective release of mast cell mediators*. Department of Pathology, Boston University (October 2, 2007).
- 117) 2007 *Selective mediator release and effect of stress in urticaria pigmentosa*. Annual Meeting, US Systemic Mastocytosis Society (October 12, 2007; Houston, TX).
- 118) 2007 *CRH dysregulation in psoriasis*. 3rd Attikes Dermatology Days Congress (November 5, 2007; Athens, Greece).
- 119) 2007 *Regulation of selective release of mast cell mediators*. Brigham and Women's Hospital-Dana Farber Cancer Center, Harvard University (November 29, 2007; Boston, MA).
- 120) 2007 *Role of mast cells in wound healing*. 8th Annual Meeting on Wound Healing-Science and Industry-CME lecture (St. Thomas, USA; December 14, 2007).
- 121) 2008 *Interstitial Cystitis/Painful Bladder Syndrome*. University of Phoenix, (January 1, 2008; Phoenix, AZ).
- 122) 2008 *Mast cells, myelin basic protein and substance P enhance T cell activation: inhibition by luteolin and implications for multiple sclerosis*. International Conference on Neural Signaling (Feb. 16-20, 2008; Pacific Grove, CA).
- 123) 2008 *Interstitial Cystitis: Bladder Pain and Beyond*. Lakeland Medica Center-CME lecture, (March 20, 2008; St. Joseph, MI).
- 124) 2008 *Mast cells, myelin basic protein and substance P enhance T cell activation: and multiple sclerosis*. Department of Immunology, University of Connecticut (April 17, 2008; Farmington, CT).

- 125) 2008 *Chair, Round Table Discussion on pharmacology teaching.* 5th Panhellenic Congress of Pharmacology (May 23-25, 2008; Athens, Greece).
- 126) 2008 *Rupatadine inhibits mediator secretion from human mast cells.* XXVII Congress of the European Academy of Allergology and Clinical Immunology (June 7-11, 2008; Barcelona, Spain).
- 127) 2008 *Human mast cells stimulate activated T cells, an effect increased by substance P and inhibited by the flavonoid luteolin.* XXVII Congress of the European Academy of Allergology and Clinical Immunology (June 7-11, 2008; Barcelona, Spain).
- 128) 2008 *Mast cell-T cell interactions in health and disease.* 5th International Innate Immunity Conference (June 21-26, 2008; Hania, Greece).
- 129) 2008 *Role of mast cells in cancer growth.* 3rd PanHellenic Forum on Oncology (July 6-7, 2008; Hania, Greece).
- 130) 2008 *Novel therapeutic targets for autism.* Defeat Autism Now (October 24-26, 2008; San Diego, CA).
- 131) 2008 *New aspects of regulation of mast cell activation.* 5th Balkan Congress of Alleregology and Clinical Immunology October 17-19, 2008; Thessaloniki, Greece).
- 132) 2008 *Autism, food intolerance and mast cells.* 5th Balkan Congress of Alleregology and Clinical Immunology October 17-19, 2008; Thessaloniki, Greece).
- 133) 2008 *Neuropeptide interactions in skin inflammation.* Attica Dermatologic Days IV (November 21-23, 2008; Athens, Greece).
- 134) 2008 *Role of mast cells in mesenteric traction syndrome.* T-NEMC Anesthesia Grand Rounds (Dec. 8, 2008).
- 135) 2009 *Perinatal mast cell activation and risk of autism.* Yale University Allergy and Clinical Immunology Grand Rounds (February 9, 2009; New Haven, CT).
- 136) 2009 *Mast cells disrupt the gut-blood-brain barriers and contribute to autism.* Autism One 2009 Conference (Chicago, IL; May 22-24, 2009).
- 137) 2009 *Rupatadine: mechanism of action and anti-inflammatory effects. Why multiple actions? The Pharmacologist's point of view.* II Multidisciplinary Symposium. (Guatemala; May 29, 2009).
- 138) 2009 *Novel antihistamines: Dual anti-mediator action and anti-inflammatory effects.* XIX World Congress of Oto-Rhino-Laryngology (São Paulo, Brazil; June 3, 2009).
- 139) 2009 *Role of mast cells in blood-brain-barrier permeability and autism.* Autism 1 Conference (Chicago, IL; May 22, 2009).
- 140) 2009. *Mastocytosis, allergic symptomatology and autism.* National Autism Association (Fort Lauderdale, FL; Nov. 12, 2009).
- 141) 2009 *IL-33 augments substance P-induced VEGF release from human mast cells and its expression is increased in psoriasis.* Attica Dermatologic Days V (November 25, 2009; Athens, Greece).
- 142) 2009 *Anti-inflammatory effects of rupatadine.* Regional Allergy Update (Nicosia, Cyprus; Dec.7, 2009).
- 143) 2009 *Anti-inflammatory actions of newer anti-histamines.* (Berlin, Germany; Dec. 17, 2009).
- 144) 2010 *Mast cells and mitochondria: culprits in the pathogenesis of allergy.* PanHellenic Allergy Conference (Athens, Greece; April 17, 2010).

- 145) 2010 *"Allergic-like" symptoms, brain inflammation and autism: beneficial effect of a luteolin formulation (NeuroProtek).*" Autism 1 Conference (Chicago, IL; May 28, 2010).
- 146) 2010 *"Mast cells and mitochondria-culprits in the pathogenesis of autism: novel treatment."* National Autism Association Conference (Tampa, FL; November 12, 2010).
- 147) 2010 *"Mast cells and mitochondria: culprits in inflammation and auto-immunity"* UCLA. (Los Angeles: December 13, 2010).
- 148) 2010 *"Mast cells: multitasking at the edge of wounds."* Wound Healing Conference (St. Thomas; December 10, 2010).
- 149) 2011 *"The role of IL-9 and IL-33 in mast cell activation."* Brigham & Women's Hospital-Harvard Medical School. (Boston, MA; February 8, 2011).
- 150) 2011 *"Neuroinflammation and disruption of the gut-blood-brain barriers-benefits of NeuroProtek."* Autism One (The Westin Hotel, Lombard, IL; May 26, 2011)
- 151) 2011 *"Neurotensin and extracellular mitochondrial DNA as potential biomarkers and novel treatment targets."* (The Westin Hotel, Lombard, IL; May 26, 2011)
- 152) 2011 *"Aberrant inflammatory response in autism-Mast cell activation and the latest research in novel biomarkers and treatment directions"*. International Autism Biomedical Conference (Queen Mary University of London' June 18-19, 2011)
- 153) 2011 *"Neurotensin and extracellular mitochondrial DNA as potential biomarkers and novel treatment targets.."* New York Metro Chapter –National Autism Association (New York, NY; September 8, 2011)
- 153) 2011 *"Neuroinflammation and disruption of the gut-blood-brain barriers-benefits of NeuroProtek."* New York Metro Chapter –National Autism Association (Westchester, NY; September 9, 2011)
- 154) 2011 *"Neurotensin and extracellular mitochondrial DNA as potential biomarkers and novel treatment targets."* Autism Canada Foundation- Changing the course of autism conference. (Kitchener/Waterloo, Canada; October 14, 2011)
- 155) 2011 *"Role of Mast cells in blood-brain-barrier permeability and beneficial effect of select flavonoids."* Interscience Conference on Multiple Sclerosis (Athens Greece; October 1 2011)
- 156) 2011 *"Mast cells and mitochondria: culprits in the pathogenesis of inflammatory skin diseases."* Second Seminar in Dermatology Research (Heraklion, Crete; October 1 2011)
- 157) 2011 *"Neurotensin and extracellular mitochondrial DNA as potential biomarkers and novel treatment targets."* Autism One/Spectrum Possibilities (St. Michael, Barbados; November 5 2011)
- 158) 2011 *"Increased oxidative stress and immune dysregulation in Autism Spectrum Disorders."* National Autism Conference (St. Pete Beach, FL; November 13 2011)
- 159) 2012 *"Comparison of Cromolyn, Quercetin and Luteolin in Human Mast Cell Inhibition."* Regional Mastocytosis Conference (National Jewish Health Main Campus, Denver, CO; May 5th, 2012).
- 160) 2012 *"Novel Treatment Approaches for Autism."* The Massachusetts Chapter of TACA.org (Talk About Autism Now, Wrentham Senior Center, Wrentham, MA ; May 8, 2012).
- 161) 2012 *"Can we block mast cell activation?"* Regional Mastocytosis Conference (Edwardsville Library, Edwardsville, IL; May 5, 2012).

- 162) 2012 *"Can the peptide neurotensin connect the dots and serve as a novel target for autism therapy?"* Autism One (The Westin Lombard Yorktown Center, Lombard, IL; May 25, 2012).
- 163) 2012 *"Is there an intervention that combines anti-oxidant, anti-inflammatory, metal chelating, mitochondrial protective, and neuroprotective effects?"* Autism One (The Westin Lombard Yorktown Center, Lombard, IL; May 27, 2012).
- 164) 2012 *"Flavonoid combinations for cancer treatment."* Emory University (Atlanta, GA; June 1, 2012).
- 165) 2012 *"How genes and environment contribute to brain inflammation and symptoms."* Family Café (Hilton, Orlando, FL; June 15, 2012).
- 166) 2012 *"Novel Treatment Approaches to Autism: How genes and environment contribute to brain inflammation and symptoms."* (West Palm Beach, FL;
- 167) 2012 *"Novel Treatment Approaches to Autism: How genes and environment contribute to brain inflammation and symptoms."* Autism in Motion (Montreal, Canada; August 19, 2012).
- 168) 2012 *"Neuro-inflammatory actions of human mast cells and comparison of the inhibitory effects of ketotifen, cromolyn, quercetin and luteolin."* (Cincinnati, OH; September 22, 2012).
- 170) 2012 *"Activation of mast cells by the unique target mTOR leads to neurological symptoms inhibited by luteolin."* 18th Annual Conference of the Mastocytosis Society (Bellevue, WA; October 11-14, 2012).
- 171) 2012 *"Activation of mast cells and neuroglia leads to brain inflammation inhibited by luteolin-implications for treatment of Alzheimer's disease and Autism."* 8th Annual Conference of the European Nutraceutical Association (Munich, Germany; November 3, 2012).
- 172) 2012 *"Novel Treatment Approaches to Autism: How genes and environment contribute to brain inflammation and symptoms."* National Autism Association (St. Petersburg, FL; November 9-11, 2012).
- 173) 2013 *"Neurotensin triggers brain inflammation blocked by liposomal luteolin-implications for the pathogenesis and treatment of autism."* Tufts Medical Center (Boston, MA;
- 174) 2013 *"Innate Pathogens" causing focal brain inflammation."* Autism One (Chicago, IL; May 23, 2013).
- 175) 2013 *"A cell for all seasons: The mast cell."* (West Roxbury VA Medical Center (West Roxbury, MA; June 3, 2013).
- 176) 2013 *"2013 "New autism treatments target: Innate pathogens causing brain inflammation-Cutting down autism by fighting brain immunity storms."* ICare4Autism (New York, NY; June 6, 2013).
- 177) 2013 *"New autism treatments target: Innate pathogens causing brain inflammation."* Family Café (Orlando, FL; June 7, 2013).
- 178) 2013 *"Fibromyalgia neuro-inflammatory findings point to new treatments."* Family Café (Orlando, FL; June 7, 2013).
- 179) 2013 *"Mast Cell Disorders and Neurological Symptoms."* The Mastocytosis Society Annual Meeting (Greenville, SC; Sep 26-29, 2013)
- 180) 2013 *"Mast Cells, Coronary Hypersensitivity, Kounis syndrome and Takotsubo Cardiomyopathy"* The Mastocytosis Society Annual Meeting (Greenville, SC; Sep 26-29, 2013)

- 181) 2013 *"Allergy" of the Brain* Medical Academy of Pediatric Special Needs Conference (MAPS) Clinician's CME Training (Tampa, FL; Oct 3-5, 2013).
- 182) 2013 *"New Autism Treatments Target Pro-Inflammatory "Innate Pathogens" "*, Autism Avenue 2013 Regional "Possibilities and Potential" Autism/Asperger Conference and Expo (Greensboro, NC; Oct 28, 2013).
- 183) 2013 *"Could autism be related to brain inflammation?"* Fourth Annual Meeting for Health Prevention and Promotion-"Gazing at Children" (Syros, Greece; Nov 1-3, 2013).
- 184) 2013 *"Is autism allergy of the brain?"*, National Autism Association (St. Petersburg, FL; Nov 14-17, 2013).
- 185) 2014 *"Activated mast cells secrete "innate pathogens" causing focal brain inflammation inhibited by luteolin."* Molecular Basis of Brain Diseases (Miami, FL; Jan 26, 2014).
- 186) 2014 *"New autism treatments target pro-inflammatory innate pathogens."* SouthWestern "Across the Spectrum" Autism/Asperger Conference (Atlanta, GA; March 13-14, 2014).
- 187) 2014 *"The missing link in autoimmunity and autism"* Ninth International Congress on Autoimmunity (Nice, France; March 26-30, 2014).
- 188) 2014 *"Autism and brain immunity storms."* Autism One 2014 (Chicago, IL; May 23, 2014).
- 189) 2014 *"Environmental and stress triggers of autism."* IMMUNOe (Denver, CO; Aug 25, 2014)
- 190) 2014 *"Coronary mast cell activation, myocardial infarction and POTS."* 20th Annual Meeting of the Mastocytosis Society (Rochester, MN; September 17, 2014).
- 191) 2014 *"Synergistic activation of mast cells by the cytokine IL-33 and neuropeptide substance P."* 20th Annual Meeting of the Mastocytosis Society (Rochester, MN; September 17, 2014).
- 192) 2014 *"Implications of coronary mast cell activation."* 20th Annual Meeting of the Mastocytosis Society (Rochester, MN; September 17, 2014).
- 193) 2014 *"Elevated serum stress hormone levels in children with autism predict response to treatment."* Autism Education Summit (Dallas, TX; October 17, 2014).
- 194) 2014 *"Elevated serum stress hormones in children with autism and in "autistic" dogs."* National Autism Association (St. Petersburg, FL; November 15, 2014).
- 195) 2015 *"Focal brain inflammation in multiple sclerosis and autism."* First PanHellenic Interscience Congress on for pediatric Multiple Sclerosis (Athens, Greece; January 16-18, 2015).
- 196) 2015 *"Brain inflammation and autism."* (Melbourne, Australia, April 27, 2015).
- 197) 2015 *"Brain fog and mastocytosis."* Australasia Mastocytosis Society (Sydney, Australia; May 4, 2015).
- 198) 2015 *"The musical vs. the behavioral brain in autism."* The Boston Conservatory of Music (Boston, MA; May 8-9, 2015).
- 199) 2015 *"Methoxyluteolin inhibits human mast cells and reduces skin inflammation."* Annual Congress of the European Academy of Allergy and Clinical Immunology (Barcelona, Spain; June 6-10, 2015).

- 200) 2015 “An overview of mast cell disorders and inflammation.” TMS San Francisco Bay Area Meeting (San Francisco, CA: July 26, 2015).
- 201) 2015 “*Neurocognitive manifestations in mast cell disorders.*” TMS Annual Meeting (Washington, DC; August 14-15, 2015).
- 202) 2015 “*The cross-talk between the nervous system and the immune system.*” IgNS2015 (Washington, DC; September 18-20, 2015).
- 203) 2015 “*Objective biomarkers identify autism subgroup amenable to treatment.*” Autism Education Summit (Dallas, TX; September 26-28, 2015).
- 204) National Autism Association (October 15, 2015; St. Pete, FL)
- 205) Autism Research Institute (December 5, 2015; Boston, MA, 2015)
- 206) Cyprus Pediatric Association (February 14, 2016; Nicosia, CY)
- 207) TARF Think Tank (February 19, 2016; Boston, MA)
- 208) NCIMS (February 27, 2016; Greenboro, NC)
- 209) TACA Massachusetts (March 12, 2016; Watertown MA)
- 210) 11th PanHellenic Conference on Allergy & Clinical Immunology (April 16, 2016; Athens, Greece)
- 211) TACA Webinar (April 25, 2016; 1 pm)
- 212) All Childrens Hospital (April 1, 2016; St. Pete, FL)
- 213) TACA Philadelphia (May 7, 2016; Philadelphia, PA)
- 214) Autism One (May 27, 2016; Chicago, IL)
- 215) Autism One Think Tank (May 28, 2016; Chicago, IL)
- 216) EAAACI (June 7-11, 2017; Vienna, Austria)
- 217) Old North State Medical Society (June 23-25, 2016; Raleigh, NC)
- 218) FASEB Summer Research Conference in the long-running Neuroimmunology series entitled “***Translational Neuroimmunology: From Mechanisms to Therapeutics***” (July 24-29, 2016; Big Sky, MT)
- 219) 11th Annual USAAA World Autism and Asperger Conference (August 29, 2016; Louisville, KY)
- 220) MAPS Conference (September 9, 2016; Atlanta, GA)
- 221) The Mastocytosis Society (September 15-17, 2016; Orlando, FL)
- 222) Autism Education Summit (October 1, 2016; Dallas, TX)]
- 223) International College of Geriatric Psychoneuropharmacology (ICGP) (October 6-8, 2016; Athens, Greece)
- 224) TACA National Conference (October 22, 2016; Costa Mesa, CA)

- 225) ILADS Annual meeting (November 3, 2016; Philadelphia, PA)
- 226) Cyprus Pediatric Association Annual Meeting (November 17, 2016; Nicosia, Cyprus)
- 227) 1st International Conference on Autism (November 22, 2016; Paphos, Cyprus)
- 228) Cyprus Pediatric Association (February 14, 2016; Nicosia, CY)
- 229) TARF Think Tank (February 19, 2016; Boston, MA)
- 230) NCIMS (February 27, 2016; Greenboro, NC)
- 231) TACA Massachusetts (March 12, 2016; Watertown MA)
- 232) 11th PanHellenic Conference on Allergy & Clinical Immunology (April 16, 2016; Athens, Greece)
- 233) TACA Webinar (April 25, 2016; 1 pm)
- 234) Johns Hopkins-All Childrens Hospital Grand Rounds (April 1, 2016; St. Pete, FL)
- 235) TACA Philadelphia (May 7, 2016; Philadelphia, PA)
- 236) Autism One (May 27, 2016; Chicago, IL)
- 237) Autism One Think Tank (May 28, 2016; Chicago, IL)
- 238) EAAACI (June 7, 2017; Vienna, Austria)
- 239) FASEB Summer Research Conference in the long-running Neuroimmunology series entitled “***Translational Neuroimmunology: From Mechanisms to Therapeutics***” (July 24-29, 2016; Big Sky, MT)
- 240) 11th Annual USAAA World Autism and Asperger Conference (August 29, 2016; Louisville, KY)
- 241) National Autism Association (September 10, 2016; New Orleans, LA)
- 242) The Mastocytosis Society (September 15-17, 2016; Orlando, FL)
- 243) Autism Education Summit (October 1, 2016; Dallas, TX)
- 244) International College of Geriatric Psychoneuropharmacology (ICGP) (October 6-8, 2016; Athens, Greece)
- 245) TACA National Conference (October 22, 2016; Costa Mesa, CA)
- 246) ILADS Annual meeting (November 3, 2016; Philadelphia, PA)
- 247) Cyprus Pediatric Association Annual Meeting (November 17, 2016; Nicosia, Cyprus)
- 248) 1st International Conference on Autism (November 22, 2016; Paphos, Cyprus)
- 249) Georgia TACA Association (February 24, 2017; Atlanta, GA)
- 250) Cyprus Autism Association (March 6-11, 2017; Nikosia, Cyprus)
- 251) Kansas Mastocytosis Society (April 30, 2017; Kansas City, KS)

- 252) Peru Autism Association (May 27-30, 2017; Lima, Peru)
- 253) Philadelphia TACA Association (May 12, 2017; State College, Philadelphia, PA)
- 254) AutismOne (May 24-27, 2017; Colorado Springs, CO)
- 255) TACA (Talk About Curing Autism) National Conference (October 19, 2017; Costa Mesa, CA)
- 256) UK Autism Society (November 30, 2017; London, UK)
- 257) UK Mastocytosis Society (December 1, 2017; London, UK)
- 258) TARF Think Tank (February 18, 2017; Boston, MA)
- 259) Medical University of Plovdiv (March 7, 2018; Plovdiv, Bulgaria)
- 260) TACA Regional Conference (Philadelphia, PA; May 11, 2018)
- 261) Autism One (May 26, 2018; Chicago, IL)
- 262) International Conference on Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (June 1, 2018; London, UK)
- 263) European Congress on Lyme disease (July 15, 2018; Warsaw, Poland)
- 264) NIH Mast Cell Activation Syndrome Workshop (September 7, 2018; Rockville, MD)
- 265) Canadian Society of Allergy and Clinical Immunology (September 15-16, 2018; Halifax, Canada)
- 266) NorthEast TMS Support Group Meeting (August 18, 2018; Dover, NH)
- 267) Arizona TMS Support Group Meeting (November 3, 2018; Scottsdale, AZ)
- 268) Maryland TMS Support Group Meeting (December 8; Baltimore, MD)
- 269) Floating Hospital for Children-Ground Rounds (January 17; Boston, MA)
- 270) The Forum for Integrative Medicine (March 7-9, 2019; Seattle, WA)
- 271) Pediatric Neurology Grand Rounds-Tufts Medical Center (January 13, 2019)
- 272) TARF (February 21, 2019; Boston, MA)
- 273) TMS 25th Anniversary Conference (May 3, 2019; Palo Alto, CA)
- 274) American Initiative for Mast Cell Diseases sponsored by NIH (May 5, 2019; Stanford, CA)
- 275) International Conference on Fibromyalgia (May 12, 2019; Pescara, Italy)
- 276) MAPS Conference (September 24, 2019; Costa Mesa, CA)

- 277) ILADS Annual meeting (October 15, 2019; Boston, MA)
- 278) Inflammaging and Autoimmunity-A revolution in assessment and treatment (September 11-13, 2020; virtual)
- 279) TACA Annual Conference (October 1-31, 2020; virtual)
<https://tacanow.org/conferences/virtual/>
- 280) ISEAI Conference (October 2-4, 2020; virtual)
<https://www.google.com/search?q=iseai+conference&oq=&aqs=chrome.69i59l8.23002029j0j15&sourceid=chrome&ie=UTF-8>
- 281) WANP conference (October 8-12, 2020; virtual)
<https://wanp.org/event/wanps-annual-virtual-conference-connect-2020/>
- 282) Medical University-Plovdiv Jubilee Scientific Conference on the occasion of its 75th Anniversary-Medicine of the Future (October 29-31, 2020)
<https://mu-plovdiv.bg/en/>
- 283) International Conference on Medical Aspects of Genetics and Comorbidities in Autism (November 7-8; virtual) <https://fb.me/e/1xhzrnSv3>
- 284) ACAM/AAPMD Conference (November 11-14, 2020; virtual)
<https://www.acam.org/mpage/2020AAPMDHome>
- 285) International Oncology Conference (January 23, 2021; virtual)
- 286) R & D and Innovation in Healthcare (February 2, 2021; virtual)
<https://www.rndinnovationconference.gr/>
- 287) Forum for Integrative Medicine (March 5-7, 2021; virtual)
<https://forumforintegrativemedicine.org/conference-schedule/>
- 288) MAPS (March 19-21, 2021; Orlando, FL)
<https://www.medmaps.org/spring2021/>
- 289) PanHellenic Conference on Best Therapeutic Index in Oncology (May 21-23, 2021; Athens-virtual)
- 290) European Congress of Rheumatology (June 5-7, 2021; Paris, France-virtual)
<https://congress.eular.org/>
- 291) Autism Parenting Summit (September 2021; virtual)
<https://www.eventbrite.com/e/autism-parenting-summit-september-2021-registration-163608887587>
- 292) 24th TMS National Patient and Caregiver Conference (October 13-20, 2021; virtual)
<https://tmsforacure.org/2021-aaaai-annual-meeting-mcd-sessions/>
- 293) AAEM 56th Annual Meeting-Immunity, Autoimmunity & Inflammation (October 14-17, 2021; virtual)
<https://www.aaemonline.org/2021-fall-meeting/>
- 294) WANP conference (October 15-17, 2020; virtual)
<https://www.wanp.org/calendar/category/wanp-event/day/2021-10-15/>

- 295) TACA (October 15-17, 2021-virtual)
<https://tacanow.org/conferences/2021-conference/>
- 296) Neurex Workshop-Stress, Barriers & Neurological Disorders (November 25, 2021: Strasbourg, virtual)
<https://www.neurex.org/events/archives/item/515-meeting-stress-barriers-neurological-disorders>
- 297) XVth Central Am Carib Allergy Skin Forum (March 15, 2022- virtual)
- 298) Health Masters webinar (March 28, 2022-virtual)
- 299) Canadian Dermatologists/Medexus (March 30, 2022-virtual)
- 300 Mast Cell Activation Summit (April 2, 2022-virtual)
- 301) Canadian Allergists/Medexus (April 6, 2022-virtual)
- 302) TACA (April 8-9, 2022: virtual), 2021-virtual)
<https://tacanow.org/conferences/2021-conference/>
- 303) Autism Parenting Summit (April 4, 2022-virtual)
<https://autismparentingsummit.com/>
- 304) Canada Allergists/Medexus (April 6, 2022-virtual)
- 305) Canadian ENTs?Medexus (May 19, 2022-virtual)
- 306) Institute of Functional Medicine International Conference (June 6, 2022; Dallas, TX)
<https://www.ifm.org/learning-center/2022-annual-international-conference-aic-2022/>
- 307) Cleveland Clinic Grand Rounds (June 13, 2022-virtual)
- 308) Grand Rounds, Division of Hematology/Medical Oncology, Weill-Cornell Medical College (August 2, 2022-virtual)
- 309) MAPS Conference (September 8, 2022; Costa Mesa, CA)
<https://www.medmaps.org/fall2022/>
- 310) IASP 2022 World Congress on Pain (September 19-23; Toronto, 2022)
<https://iaspworldcongress2022.org/submissions/>
- 311) TACA (October 14-16, 2022: Costa Mesa, CA)
<https://tacanow.org/conferences/2021-conference/>
- 312) Autism Parenting Summit (September 2022; virtual)
<https://www.eventbrite.com/e/autism-parenting-summit-september-2021-registration-163608887587>
- 313) Canadian Dermatologists/Medexus (September 20, 2022-virtual)
- 314) ILADS (September 22, 2022; Orlando, FL)
<https://www.ilads.org/ilads-events/>
- 315) NCIMS Conference (October 18, 2022-virtual)
<https://www.ncims.com/home/events/>

- 316) Healthmeans <https://mastcellactivation.byhealthmeans.com/>
- 317) Healthrising <https://www.healthrising.org/blog/2022/08/28/the-free-7-day-online-mast-cell-activation-summit-is-almost-here/>
- 318) DrTalks <https://www.mastcell.drtalks.com/free-access-day-2/>
- 319) Interstitial Cystitis/Bladder Pain Syndrome Symposium coordinator and lecturer-March 11, 2023
https://sharkmedia.nova.edu/media/Interstitial+Cystitis+Bladder+Pain+Syndrome+Symposium%2C+March+11%2C+2023/1_hl8bevdl
- 320) NIH “Unaveling links between chronic inflammation and Long-COVID: Current state, challenges, and opportunities (Virtual Workshop; September 19-21, 2023)
<http://events.cancer.gov/nih/inflammtion-long-covid/registration>
- 321) Autism Parenting Summit (October 15, 2023; virtual)
- 322) TACA (October 22, 2023; Costa Mesa, CA-virtual)
- 323) Mast cell activation summit/Mast cells 360 (virtual)
- 324) Mayo Clinic Florida Grand Rounds (December 5, 2023; Jacksonville, FL)
- 325) Autism Parenting Summit (May 18, 2024;virtual)
- 326) Canadian Allergists (April 18, 2024;virtual)
- 327) PelvicHealthSupport Canada (May 24, 2024;virtual)
- 328) MAPS-subgroup (May 23, 2024;virtual)
- 330) TACA (October 18, 2024; Costa Mesa, CA)
- 331) Documenting Hope (November 15; Orlando, FL)
- 332) PelvicHealthSupport Canada (December 20, 2024;virtual)
- 333) Autism Parenting Summit (May 20, 2025;virtual)
- 334) Autism Health Summit (April 11; San Diego, CA)
- 334) Canadian Society for Environmental Medicine (May 1;virtual)

AAEM=American Academy of Environmental Medicine

ACAM/AAPMD=American College for Advancement in Medicine/American Academy
of Pathological Medicine & Dentistry

EAAACI=European Academy of Allergy and Clinical Immunology

ESMED+European Society of Medicine

ILADS=International Lyme and Associated Diseases Society

IASP=International Association for the Study of Pain

ISEAI=International Society for Environmentally Acquired Illness

MAPS=Medical Academy of Pediatric Special Needs

NCIMS=North Carolina Integrative Medical Society

TARF=The Autism Research Foundation

TMS=The Mast Cell Diseases Society

TACA=The Autism Community in Acton (formerly Think About Curing Autism)

WANP=Washington Association of Naturopathic Physicians

Podcasts

Hidden Histamine Threats with Dr. Theoharis Theoharides (Ep ...

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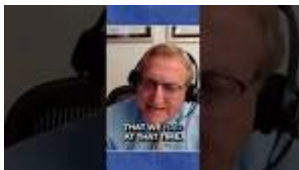
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... podcasts.apple.com/us/podcast/hope-and-help-for-fatigue-chronic-illness/id1724900423 Dr. Theoharis **Theoharides** ... **Podcast**. Corewell Health ...

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In this episode, Haylie Pomroy welcomes Dr. Theoharis **Theoharides**, a world-renowned expert in pharmacology and internal medicine.

YouTube · Haylie Pomroy · Jan 23, 2024

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About My Guest: My guest for this episode is Dr. Theo **Theoharides**. Dr. Theo **Theoharides**, PhD, MD has studied the regulation of mast cell ...

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