

## ***Curriculum Vitae***

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

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**Executive Director, Center of Excellence for  
Neuroinflammation Research  
Center for Collaborative Research  
Nova Southeastern University  
Ft. Lauderdale, FL 33328, USA  
<https://www.nova.edu/nim/neuroinflammation-research/index.html>**

**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)***

**October 13, 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  | <b>Diploma</b>                                     | Anatolia College                                    | Classics <i>with Honors</i>                                 |
| 9/68-5/72  | <b>Bachelor of Arts</b><br>(jointly in two fields) | Yale University                                     | Biology and History of Science & Medicine, <i>Cum laude</i> |
| 9/73-5/75  | <b>Master of Science</b>                           | Yale University                                     | Neuroimmunology                                             |
| 9/73-5/75  | <b>Master of Philosophy</b>                        | Yale University                                     | Immunopharmacology                                          |
| 9/73-12/78 | <b>Doctor of Philosophy</b>                        | Yale University                                     | Pharmacology                                                |
| 9/79-12/83 | <b>Doctor of Medicine</b>                          | Yale University                                     | Medicine                                                    |
| 7/98-5/99  | <b>Certificate</b>                                 | Tufts University Fletcher School of Law & Diplomacy | Global Leadership and Management                            |
| 7/98-5/99  | <b>Fellowship</b>                                  | Harvard Kennedy School of Government                | Biomedical Health Policy                                    |

### **Other Training**

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

### **Academic Appointments**

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

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

### **Awards and Honors**

|         |                                                                                                                         |
|---------|-------------------------------------------------------------------------------------------------------------------------|
| 1971    | <b>Connecticut Commission for Undergraduate Research Award</b>                                                          |
| 1971    | <b>Yale College Dean's Research Award</b>                                                                               |
| 1972    | <b>Yale College Cum Laude &amp; Divisional Honors</b> for joint Bachelor of Arts                                        |
| 1972    | <b>Yale University Cuyler Award</b> "for outstanding Yale College Graduates"                                            |
| 1975-77 | <b>Advisory Committee to the Dean</b> , Graduate School, Yale University                                                |
| 1979    | <b>Academic Award</b> , Hellenic Medical Society of New York                                                            |
| 1980    | <b>Travel Award</b> , American Society for Cell Biology                                                                 |
| 1980    | <b>Yale University Winternitz Prize</b> "for the best work in Pathology"                                                |
| 1981,82 | <b>Research Fellowship</b> , Intl. Institute of Cellular and Molecular Pathology, Brussels                              |
| 1982    | <b>Volunteer Award</b> , Veterans Administration Medical Center, West Haven, CT                                         |
| 1983    | <b>Medical Award</b> , Hellenic Medical Society of New York                                                             |
| 1983    | <b>Chairman - Immunopharmacology</b> , 9th International Congress of Pharmacology, London                               |
| 1984    | <b>Travel Award</b> , American Society for Pharmacology and Experimental Therapeutics                                   |
| 1986    | <b>Chairman - Neuroimmunology</b> , 2nd World Conference of Inflammation, Monte Carlo                                   |
| 1986    | <b>Distinguished Service Citation</b> for faculty excellence, Tufts University                                          |
| 1987    | <b>Special Faculty Recognition Award</b> , Tufts University School of Medicine                                          |
| 1987    | <b>Honorary Member</b> , Alpha Omega Alpha Honor Medical Society                                                        |
| 1988    | <b>Special Faculty Recognition Award</b> , Tufts University School of Medicine                                          |
| 1989    | <b>Chairman - Neuroimmune Modulation</b> , 3rd World Conf. on Inflammation, Monte Carlo                                 |
| 1989    | <b>Citation for Excellence in Teaching</b> , Tufts University School of Medicine                                        |
| 1990    | <b>Citation for Excellence in Teaching</b> , Tufts University School of Medicine                                        |
| 1991    | <b>Advisory Committee</b> , 4th World Conference on Inflammation, Geneva                                                |
| 1991    | <b>Citation for Excellence in Teaching</b> , Tufts University School of Medicine                                        |
| 1991    | <b>Interstitial Cystitis Association Recognition Award</b>                                                              |
| 1992    | <b>Citation for Excellence in Teaching</b> , Tufts University School of Medicine                                        |
| 1993    | <b>Advisory Committee</b> , 5th World Conference on Inflammation, Geneva                                                |
| 1993    | <b>Citation for Excellence in Teaching</b> , Tufts University School of Medicine                                        |
| 1993    | <b>Medical Awareness and Patient Support Award</b> , Interstitial Cystitis Association                                  |
| 1994    | <b>Chairman, Inflammatory Mechanisms</b> , 6th Intl. Conference on Immunopharm., Prague                                 |
| 1994    | <b>Citation for Excellence in Teaching</b> , Tufts University School of Medicine                                        |
| 1994    | <b>Great Cross</b> , Greek Orthodox Diocese of Boston for humanitarian health care                                      |
| 1995,97 | <b>Advisory Committee</b> , 6 <sup>th</sup> and 7 <sup>th</sup> World Conferences on Inflammation, Geneva               |
| 1995    | <b>Chairman</b> , International Committee to Upgrade Medical Education in Greece                                        |
| 1996    | <b>Citation for Excellence in Teaching</b> , Tufts University School of Medicine                                        |
| 1997-00 | <b>Supreme Scientific Health Council to Secretary of Health</b> , Hellenic Republic                                     |
| 1998    | <b>Community Service Award</b> for humanitarian healthcare, Mayor T. Menino, Boston                                     |
| 1999-02 | <b>Supreme Healthcare Board</b> , Social Welfare Organization, Ministry of Labor and Human Resources, Hellenic Republic |
| 1999    | <b>Oliver Smith Award</b> , Recognizing Excellence, Compassion and Service, New Engl. Med. Center                       |
| 1999    | <b>Certificate in Global Leadership and Management</b> , The Fletcher School of Law and Diplomacy, Tufts University     |
| 2000    | <b>Archon of the Ecumenical Patriarchate</b> of Constantinople, for humanitarian healthcare                             |
| 2001    | <b>Plenary Speaker</b> , National Minority Research Symposium, Cancun, Mexico                                           |
| 2002    | <b>Dr. George Papanicolaou Gold Medal</b> for contributions in humanism and medicine                                    |
| 2003    | <b>J.F. Kennedy Fellow</b> , Harvard University, J.F. Kennedy School of Government                                      |
| 2003-08 | <b>National Public Health Council</b> , Secretary of Health, Hellenic Republic                                          |
| 2006    | <b>Science and Medicine Award</b> , Federation HASNE, Boston, MA                                                        |
| 2006    | <b>Hygeia Award</b> , New England Hellenic Medical and Dental Society, Boston, MA                                       |
| 2007-   | <b>Fellow</b> , 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](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 (Thessaloniki Medical Association #34542) |
| 1986-93 | License to practice medicine, Commonwealth of Massachusetts (NEMC #92-3418)                |
| 2016-   | License to practice medicine, Republic of Cyprus (Pancypriot Medical Society #5933)        |
| 2023-   | License to practice medicine, State of Florida (Florida Medical Association #646883)       |

### 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: <b>Director</b> , 12 hours (summer)                                                                                                                            |
| 1984-   | National Board of Medical Examiners, Part I (NBME-I): one 7 hour review                                                                                                                                  |
| 1985-93 | Medical Pharmacology: <b>Director</b> , 25 hours and five 1 hour reviews<br>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: <b>Director</b> , 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 <b>Director</b> , 20 hours                                                                                                         |
| 2004-09 | Bio 195-Pharmacology of Multiorgan Diseases (Tufts undergraduate course). <b>Director</b> , 50 hrs                                                                                                       |
| 2025    | Pulmonary pathophysiology, NSU (2 hrs)                                                                                                                                                                   |

### University Committee Assignments

|          |                                                                                                                                   |
|----------|-----------------------------------------------------------------------------------------------------------------------------------|
| 1984-86  | <b>Curriculum Planning Committees:</b> Tufts University School of Medicine                                                        |
| 1985-86  | <b>Self-study Committee on Educational Methods:</b> Tufts University                                                              |
| 1984-91  | <b>Advisor, Progressive Minority Student Alliance:</b> Tufts University School of Medicine                                        |
| 1984-91  | <b>Advisor, Medical Student Advisory Program:</b> Tufts University                                                                |
| 1987-91  | <b>Curriculum Committee:</b> Tufts University School of Medicine                                                                  |
| 1987-91  | <b>Admissions Interviewing Committee:</b> Tufts University School of Medicine                                                     |
| 1987-93  | <b>Promotions Committee:</b> Tufts University School of Medicine                                                                  |
| 1987-91  | <b>Ad Hoc Advisor:</b> Tufts Amnesty International Chapter                                                                        |
| 1987-91  | <b>Ad Hoc Advisor:</b> Tufts Literary Club                                                                                        |
| 1988-91  | <b>Chairman:</b> Committee for Graduate Studies in Pharmacology, Sackler School of Graduate Biomedical Sciences, Tufts University |
| 1992-    | <b>Member:</b> Committee for Graduate Studies in Pharmacology, Sackler School of Graduate Biomedical Sciences, Tufts University   |
| 1992-    | <b>Phase II Curriculum Committee:</b> Tufts University School of Medicine                                                         |
| 1992-    | <b>Research Development Group:</b> Arthritis, autoimmunity, and immunologic diseases, Tufts                                       |
| 1992, 98 | <b>Accreditation Review Committee on Educational Programs</b>                                                                     |
| 2000-03  | <b>Basic Sciences Promotion and Tenure Committee,</b> Tufts University School of Medicine                                         |
| 2001-04  | <b>Program and Faculty Committee,</b> Tufts University School of Medicine                                                         |
| 2009     | <b>Strategic Implementation Committee,</b> Tufts University School of Medicine                                                    |
| 2011-    | <b>Committee on Committees,</b> Tufts University School of Medicine                                                               |
| 2013-16  | <b>Grievance Committee,</b> Tufts University School of Medicine                                                                   |
| 2017-    | <b>Basic Sciences Promotion and Tenure Committee,</b> 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 | <b>Secretary:</b> Association of Greeks at Yale University                         |
| 1978-79 | <b>Board of Directors and Vice President</b> for Relations with Greece, Krikos, NY |
| 1982-83 | <b>President:</b> Association of Greeks at Yale University                         |
| 1984-85 | <b>Trustee:</b> Anatolia College, Boston, Massachusetts                            |
| 1984-86 | <b>Secretary:</b> International Anatolia Alumni Association, Boston, MA            |
| 1984-85 | <b>Secretary:</b> New England Hellenic Medical Society, Boston, MA                 |
| 1985    | <b>Board of Directors:</b> Hellenic Scientists Association of Boston, Boston, MA   |
| 1985-86 | <b>Vice-President:</b> New England Hellenic Medical Society, Boston, MA            |
| 1986-87 | <b>President:</b> New England Hellenic Medical Society, Boston, MA                 |
| 1995-97 | <b>Vice-President:</b> New England Hellenic Medical & Dental Society, Boston, MA   |
| 2000-09 | <b>Trustee,</b> 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.

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

|                                                                                                                                                                                                                                                                                                                                                                    |                                                           |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----|
| <b>Research Grant (PI: Theoharides)</b><br><b>Estee-Lauder, Inc., LI, NY</b><br>Keratinocyte effect on mast cells                                                                                                                                                                                                                                                  | Duration: 5/1/01-6/30/03<br>Direct Cost/yr: \$ 45,000     | 5%  |
| <b>Research Grant (PI: Theoharides)</b><br><b>Cantata Pharmaceuticals, Inc. Cambridge, MA)</b>                                                                                                                                                                                                                                                                     | Duration: 2/5/03-2/4/04<br>Direct Cost/yr: \$ 50,000      | 5%  |
| <b>1 U01 DK65244-01 NIDDK (PI: Sant; Co-I: Theoharides)</b><br>Interstitial cystitis clinical research network                                                                                                                                                                                                                                                     | Duration: 9/1/03-2/28/04<br>Direct Cost/yr: \$140,000     | 10% |
| <b>BC024430 DOD- Concept Award (PI: Theoharides)</b><br>Role of mast cells in mammary gland carcinogenesis                                                                                                                                                                                                                                                         | Duration: 7/1/03– 6/30/04<br>Direct Cost/yr: \$75,000     | 10% |
| <b>Research Grant (PI: Theoharides)</b><br><b>Estee-Lauder, Inc., LI, NY</b><br>Keratinocyte effect on mast cells                                                                                                                                                                                                                                                  | Duration: 7/1/03-6/30/04<br>Direct Cost/yr: \$ 45,000     | 5%  |
| <b>Research Grant (PI: Theoharides)</b><br><b>TAIHO Pharmaceutical Co., Japan</b><br>IPD effect on human mast cells                                                                                                                                                                                                                                                | Duration: 10/15/03-10/15/04<br>Direct Cost/yr: \$ 60,000  | 5%  |
| <b>Research Grant (PI: Theoharides)</b><br><b>TAIHO Pharmaceutical Co., Japan</b><br>IPD effect on bladder inflammation in mice                                                                                                                                                                                                                                    | Duration: 11/1/04-05/01/05<br>Direct Cost/yr: \$ 30,000   | 5%  |
| <b>William James Foundation (Sarasota, FL) (PI: Theoharides)</b><br>Research and publication preparation                                                                                                                                                                                                                                                           | Duration: 11/1/04– 3/31/05<br>Direct Cost only: \$55,000  | N/A |
| <b>Research Grant-continuation (PI: Theoharides)</b><br><b>TAIHO Pharmaceutical Co., Japan</b><br>IPD effect on bladder inflammation                                                                                                                                                                                                                               | Duration: 05/01/05-10/15/05<br>Direct Cost: \$ 15,000     | 5%  |
| <b>Research Grant (PI: Theoharides)</b><br><b>Nucryst Pharmaceuticals, Wakefield, MA</b><br>Nanocrystalline silver on bladder inflammation                                                                                                                                                                                                                         | Duration: 11/1/04-6/30/05<br>Direct Cost: \$ 27,500       | N/A |
| <b>Research Grant (PI: Theoharides)</b><br><b>Nucryst Pharmaceuticals., Wakefield, MA</b><br>Nanocrystalline silver on bladder inflammation                                                                                                                                                                                                                        | Duration: 12/1/05-6/30/07<br>Direct Cost: \$ 47,500       | N/A |
| <b>1 R01 DK062861 (PI: Theoharides)</b><br><b>NIDDK</b><br><b>Acute restraint stress-induced neurogenic bladder inflammation</b><br>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<br>Direct Cost/yr: \$175,000 |     |
| <b>1 R21 NS055681 (PI: Theoharides)</b><br><b>NINDS</b><br><b>Mast cells, tricyclic antidepressants and chronic fatigue syndrome</b><br>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<br>Direct cost: \$175,000    |     |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| <b>Research Grant-continuation (PI: Theoharides)</b><br><b>TAIHO Pharmaceutical Co., Japan</b><br>IPD effect on bladder neurogenic inflammation                                                                                                                                                                                                                                                                                                     | Duration: 03/01/07-02/28/08<br>Direct Cost: \$ 80,000     |
| <b>Mastocytosis Society</b> (PI: Theoharides)<br>Skin mast cell expression of CRH receptors                                                                                                                                                                                                                                                                                                                                                         | Duration: 5/1/09-12/31/09<br>Direct cost: \$45,000        |
| <b>National Autism Association</b> (PI: Theoharides)<br>Mast cell-related biomarkers in autism                                                                                                                                                                                                                                                                                                                                                      | Duration: 5/1/09-12/31/09<br>Direct cost: \$35,000        |
| <b>Safe Minds</b> (PI: Theoharides)<br>Effect of mercury on human mast cells                                                                                                                                                                                                                                                                                                                                                                        | Duration: 5/1/09-12/31/09<br>Duration: 5/1/09-12/31/09    |
| <b>National Autism Association</b> (PI: Theoharides)<br>Serum biomarkers in children with autism                                                                                                                                                                                                                                                                                                                                                    | Duration: 5/1/10-12/31/11<br>Direct cost: \$30,000        |
| <b>Safe Minds</b> (PI: Theoharides)<br>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<br>Direct cost: \$75,000      |
| <b>Autism Research Collaborative</b> (PI: Theoharides)<br>Investigation of IL-9, IL-33 and TSLP in serum of autistic children                                                                                                                                                                                                                                                                                                                       | Duration: 4/19/11-12/31/11<br>Direct cost: \$8,500        |
| <b>Thorne Research</b> (PI: Theoharides)<br>Comparison of anti-inflammatory anti-flushing effects of six different flavonoid compounds                                                                                                                                                                                                                                                                                                              | Duration: 6/13/11-10/31/11<br>Direct cost/yr: \$50,000    |
| <b>2 R01 AR047652-11</b> (PI: Theoharides)<br><b>NIAMSD</b><br><b>Stress induces skin mast cell activation and vasodilation</b><br>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<br>Direct Cost/yr: \$215,000 |
| <b>National Psoriasis Fnd Translational Award</b> (PI: Theoharides)<br>The role of the novel mTOR pathway in psoriasis and the effect of methoxyluteolin                                                                                                                                                                                                                                                                                            | Duration: 6/1/13-5/31/15<br>Direct costs: \$200,00        |
| <b>The Jane Botsford Johnson Foundation Research Award</b><br>PI: Theoharides<br>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<br>Direct costs: \$100,00        |
| <b>1R01NS071361-05</b> (PI: Theoharides)<br>Brain mast cells and chronic fatigue syndrome                                                                                                                                                                                                                                                                                                                                                           | Duration: 07/10-6/30/15<br>Direct cost : \$1,100,000      |
| <b>National Psoriasis Foundation</b> (PI: Theoharides)<br>The role of the novel mTOR pathway in psoriasis and the effect of methoxyluteolin                                                                                                                                                                                                                                                                                                         | Duration: 05/15/13 – 05/14/15<br>Direct costs: \$100,000  |
| <b>Michael S. and Katherine V. Johnson Family Fnd</b><br>Serum levels of SP, CRH and IL-33 in fibromyalgia patients                                                                                                                                                                                                                                                                                                                                 | Duration: 01/15/14 – 06/30/15<br>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

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  
Funding amount: \$200,000

### **Current Research Support**

**Gateway Institute for Brain Research LLC (GIBR)**  
11/25/24-11/24/28  
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

**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**

| <b><u>Active Marks USA</u></b>          | <b><u>Reg. No.</u></b> | <b><u>Reg. Date<br/>(m/d/y)</u></b> |
|-----------------------------------------|------------------------|-------------------------------------|
| 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                          |
| 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                          |
| ALGONOT (USA)                           | 7,855,505              | 07/08/2025                          |
| ALGONOT (World)                         | WO000000<br>1838522    | 04/28/2025                          |
| ALGONOT (Madrid protocol EU and UK)     | 1838522                | 01/17/2025                          |
| ALGONOT (Canada)                        | 1,297,067              | 05/05/2025                          |

| <b><u>Active Marks USA</u></b>                                                                                                                                 | <b><u>Reg. No.</u></b> | <b><u>Reg. Date</u><br/><b><u>(m/d/y)</u></b></b> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------|
| THETA BIOMEDICAL<br>CONSULTING AND<br>DEVELOPMENT CO., INC.<br>and design<br> | 3,574,373              | 02/17/2009                                        |

### **Training of Postdoctoral Fellows**

| <b><u>Year</u></b> | <b><u>Name</u></b>       | <b><u>Title</u></b>       | <b><u>Present Position</u></b>                                                              |
|--------------------|--------------------------|---------------------------|---------------------------------------------------------------------------------------------|
| 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,<br>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<br>Administration Medical Center              |
| 2001-03  | Koreaki Sugimoto, MD                       | Research Fellow    | Assistant Professor of Neurology, Osaka,<br>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<br>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<br>Southwestern Med Center, Dallas, TX            |
| 2009-11  | Konstantinos-Dionysios<br>Alysandratos, MD | Research Fellow    | Resident in Medicine, U Texas<br>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,<br>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 |                                                 |
| 2023-   | Baskaran Chinnappan, PhD | Research Associate |                                                 |
| 2024-   | Claudia Pena, PhD        | Research Associate |                                                 |

**Collaborators**

|       |                         |                  |                             |
|-------|-------------------------|------------------|-----------------------------|
| 1987- | Pio Conti, Dsc          | Professor        | University of Chieti, Italy |
| 2014- | Isaac Melamed, MD       | Director         | IMMUNOe, Denver, CO         |
| 2022- | Nancy Klimas, MD        | Professor        | NSU, Ft. Lauderdale, FL     |
| 2022- | Kempuraj Duraisamy, PhD | Assoc. Professor | NSU, Ft. Lauderdale, FL     |

### **Training of Graduate Students**

| <b><u>Year</u></b> | <b><u>Name</u></b>         | <b><u>Degree</u></b>                                | <b><u>Present Position</u></b>                                             |
|--------------------|----------------------------|-----------------------------------------------------|----------------------------------------------------------------------------|
| 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<br>DSc, Athens Univ.<br>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 |
|---------|-----------------|-----------------|----------------------------|

### **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<br>New England Pharmacologists 2008 Award<br>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  |
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| d.           | Full papers                     | 251        | 38-54  |
| e.           | Reviews/Chapters                | 263        | 55-72  |
| f.           | Commentaries/Editorials/Letters | 45         | 73-75  |
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| g.           | Case reports                    | 14         | 75-76  |
| h.           | Abstracts/Proceedings           | 198        | 77-90  |
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| <b>Total</b> |                                 | <b>771</b> |        |
| i.           | Non-print publications          | 1          | 90     |
| j.           | Invited lectures                | 334        | 91-107 |
| k.           | Podcasts                        |            | 108-21 |
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**Publications: 500 papers in [www.pubmed.gov](http://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](http://www.mastcellmaster.com)
- [www.drtheoharides.com](http://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-cUA7HgevL\\_G1NqR&v=CwOD2J\\_Z\\_BM](https://m.youtube.com/watch?list=PLtw9iWxwfPle6Xf6u-cUA7HgevL_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=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=Owtt8NO7ahU>  
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](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/thecoffeeclatch/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 ΕΡΤ 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 ΚΡΗΤΗ-TV-Ο Κορωνάιος 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/](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-syzitoyntai-vasika-erotimata/>  
Άρθρο 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/>  
Άρθρο 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](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.
2. Theoharides, T.C. Some considerations of the mechanism underlying malaria infections and the relative resistance exhibited by sickle cell disease in humans. *Folia Biochemica et Biologica Graeca* 11:21-29, 1974.
3. Theoharides, T.C. Biosynthesis of ornithine decarboxylase. *Recent Progress in Hormone Research* 31:90-91, 1975.
4. Theoharides, T.C. and Canellakis, Z.N. Spermine inhibits induction of ornithine decarboxylase by cyclic AMP but not by dexamethasone in rat hepatoma cells. *Nature* 255:733-734, 1975.
5. Canellakis, Z.N. and Theoharides, T.C. Hormonal induction of ornithine decarboxylase in rat hepatoma (HTC) cells in culture and its regulation by polyamines. *Folia Biochemica et Biologica Graeca* 12:39-48, 1975.
6. Theoharides, T.C. and Canellakis, Z.N. Antiserum monospecific to hepatic ornithine decarboxylase. *Journal of Biological Chemistry* 251:1781-1784, 1976.
7. Theoharides, T.C. and Canellakis, Z.N. Isozymes of ornithine decarboxylase in fast growing malignant cells in culture. *Materia Medica Graeca* 4, supplement III:201-206, 1976.
8. Canellakis, Z.N. and Theoharides, T.C. Stimulation of ornithine decarboxylase synthesis and its control by polyamines in regenerating rat liver and cultured rat hepatoma cells. *Journal of Biological Chemistry* 251:4436-4441, 1976.
9. Theoharides, T.C. and Canellakis, Z.N. Immunological properties of ornithine decarboxylase from regenerating rat liver and cultured rat hepatoma cells. *Folia Biochemica et Biologica Graeca* 13:11-23, 1976.
10. Theoharides, T.C. On viral infectivity and carcinogenesis. *Perspectives in Biology and Medicine* 20:603-606, 1977.
11. Theoharides, T.C. Historical notes on some early clinical and biochemical investigations on sickle cell disease. *Folia Biochemica et Biologica Graeca* 13:57-66, 1976.
12. Scheinman, S., Burrow, G.N., Theoharides, T.C. and Canellakis, Z.N. Stimulation of ornithine decarboxylase synthesis in the rat thyroid. *Life Sciences* 21:1143-1148, 1977.
13. Theoharides, T.C. and Douglas, W.W. Somatostatin induces histamine secretion from rat peritoneal mast cells. *Endocrinology* 102:1637-1640, 1978.
14. Sieghart, W., Theoharides, T.C., Alper, D.S., Douglas, W.W. and Greengard, P. Calcium-dependent protein phosphorylation during exocytotic release of mast cell secretory granules. *Nature* 275:329-331, 1978.
15. Theoharides, T.C. and Douglas, W.W. Secretion in mast cells induced by calcium entrapped within phospholipid vesicles. *Science* 201:1143-1145, 1978.
16. Theoharides, T.C., Sieghart, W., Greengard, P. and Douglas, W.W. Antiallergic drug cromolyn may inhibit histamine secretion by regulating phosphorylation of a mast cell protein. *Science* 207:80-82, 1980.
17. Theoharides, T.C., Betchaku, T. and Douglas, W.W. Somatostatin-induced histamine secretion in mast cells. Characterization of the effect. *European Journal of Pharmacology* 69:127-137, 1981.

18. Baloyannis, S.J. and Theoharides, T.C. Mast cells in the central nervous system. *Materia Medica Greca* 9: 142-150, 1981.
19. Theoharides, T.C. Mast cells and precursor protein molecules. *Perspectives in Biology and Medicine* 24:499-502, 1981.
20. Theoharides, T.C. and Douglas, W.W. Mast cell histamine secretion in response to somatostatin analogues. Structural considerations. *European Journal of Pharmacology* 73: 131-136, 1981.
21. Theoharides, T.C., Sieghart, W., Greengard, P. and Douglas, W.W. Somatostatin-induced phosphorylation of mast cell proteins. *Biochemical Pharmacology* 30:2735-2736, 1981.
22. Sieghart, W., Theoharides, T.C., Douglas, W.W. and Greengard, P. Phosphorylation of a single mast cell protein in response to drugs that inhibit secretion. *Biochemical Pharmacology* 30:2737-2738, 1981.
23. Canellakis, Z.N., Theoharides, T.C., Bondy, P.K. and Triarhos, E.T. The role of calcium in the induction of ornithine decarboxylase in rat HTC cells. *Life Sciences* 29:707-710, 1981.
24. Tamir, H., Theoharides, T.C., Gershon, M. and Askenase, P.W. Serotonin storage pools in basophil leukemia and mast cells: characterization of two types of serotonin binding proteins and radioautographic analysis of the intracellular distribution of <sup>3</sup>H-serotonin. *Journal of Cell Biology* 93:638-647, 1982.
25. Tsakalos, N.D., Theoharides, T.C., Dwyer, J.M. and Askenase, P.W. Dialyzable leukocyte extract induces mast cell secretion. *Cellular Immunology* 66:383-393, 1982.
26. Theoharides, T.C., Bondy, P.K., Tsakalos, N.D. and Askenase, P.W. Differential release of serotonin and histamine from mast cells. *Nature* 297: 229-231, 1982.
27. Tsakalos, N.D., Theoharides, T.C., Kops, S.K. and Askenase, P.W. Induction of mast cell secretion by parathormone. *Biochemical Pharmacology* 32:355-360, 1983.
28. Theoharides, T.C. Mast cells and migraines. *Perspectives in Biology and Medicine* 26:672-675, 1983.
29. Kritsi, Z.I., Theoharides, T.C., Baumgarten, A., Bondy, P.K. and Canellakis, Z.N. Affinity chromatography with specific antibody increases activity and retains antigenicity of ornithine decarboxylase. *Preparative Biochemistry* 12:445-460, 1983.
30. Askenase, P.W., Loveren, H.V., Kops, S.K., Ron, Y., Meade, R., Theoharides, T.C., Nordlund, J.J., Scovern, H., Gershon, M.D. and Ptak, W. Defective elicitation of delayed-type hypersensitivity in W/W<sup>v</sup> and Sl/Sl<sup>d</sup> mast cell deficient mice. *Journal of Immunology* 131:2687-2694, 1983.
31. Theoharides, T.C., Kops, S.K., Bondy, P.K. and Askenase, P.W. Differential release of serotonin without comparable histamine under diverse conditions in the rat mast cell. *Biochemical Pharmacology* 34:1389-1398, 1985.
32. Baloyannis, S.J., Theoharides, T.C., Manolidou, P. and Manolides, L.S. Morphologic alterations in rat cortical and cerebellar neurons and synapses during prolonged oral barbiturate administration. *Hellenic Anesthesiology* 19:225-234, 1985.
33. Tsakalos, N.D., Theoharides, T.C., Goffinet, J., Dwyer, J.M., Whisler, R.L. and Askenase, P.W. Immune impairment in chronic renal failure: evidence for defective regulation of lymphocyte responses by macrophages and T cells from chronic renal impairment patients on hemodialysis. *Clinical and Experimental Immunology* 63:218-227, 1986.

34. Baloyannis, S.J., Theoharides, T.C. and Manolides, L.S. Synaptic alterations in the acoustic cortex of the rat following insulin-induced hypoglycemia. *Archives of Otorhinolaryngology* 244:36-43, 1987.
35. Miller, L.G., Lee-Parritz, A., Greenblatt, D.J. and Theoharides, T.C. High affinity benzodiazepine receptors on rat peritoneal mast cells and RBL-1 cells: binding characteristics and effects on granule secretion. *Pharmacology* 36:52-60, 1988.
36. Theoharides, T.C., Manolidis, S.L. and Manolides, L.S. Treatment of secretory otitis media with hydroxyzine. *Hellenic Otorhinolaryngology* 1:11-18, 1989.
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### **g. Case Reports**

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## h. Abstracts/Proceedings

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181. Kempuraj, D., Tagen, M., Iliopoulou, B.P., Vasiadi, M., Boucher, W., House, M., Theoharides, T.C. Myelin basic protein stimulates human mast cells and together they activate T cells: inhibition by luteolin and implications for multiple sclerosis. *Proc. Keystone Symposia. Mast cells, Basophils, and IgE: Host Defenses and Disease*, p. 52 (January 20-24, 2007; Copper Mountain, CO).
182. Maliakal, J.C., Tagen, M., Drori, T., Kempuraj, D., Biran, I., Theoharides, T.C. Live cell imaging of human mast cells on a pico-well live cell array at single cell resolution. *Proc. Keystone Symposia. Mast cells, Basophils, and IgE: Host Defenses and Disease*, p. 56 (January 20-24, 2007; Copper Mountain, CO).
183. Karapanou, V., Theoharides, T.C. Interleukin-8 and TNF-alpha detection in gingival crevicular fluid of teeth with acute pulpitis. *Proc. Annual Meeting of the American Society of Endodontics* (April 27-29, 2007; Philadelphia, PA).
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185. Theoharides, T.C. Kounis syndrome. In: Drug-Eluting Stents: Thrombosis and Hypersensitivity. *Proc. 56<sup>th</sup> Annual Scientific Session, Am. College of Cardiology* (March 24-27, 2007; New Orleans, LO), in press.
186. Kempuraj, D., Iliopoulou, B.P., Clemons, A., Boucher, W., Tagen, M., Vasiadi, M., House, M., Wolfberg, A., Theoharides, T.C. Substance P stimulates human mast cells and together they activate T cells: Inhibition by luteolin. *Proc. Am. Association of Immunologists* (2007).
187. Theoharides, T.C. 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, Quebec, Canada).
188. Theoharides TC. 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, 2007, Moscow, Russia).
189. Tagen, M., Elorza, A., Shirihai, O., Theoharides, T.C. Inhibition of mast cell degranulation by PPAR $\gamma$  agonists is mediated through UCP2. *Experimental Biology 2008-Abstract #1139.1*. (April 5-9; San Diego, CA)

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. 5<sup>th</sup> 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. 8<sup>th</sup> Annual Meeting, The Mastocytosis Society, Windsor Locks, CT (October 4&5, 2002).
- 80) 200 2 *The role of mast cells in the neurocutaneous axis*. 1<sup>st</sup> 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 10<sup>th</sup> 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,* 3<sup>rd</sup> 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.* 6<sup>th</sup> International Cord Blood Society Congress, Boston, MA (October 3, 2004).
- 93) 2004 *Mast cells as key modulators of environmental and psychological stress.* 3<sup>rd</sup> 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.* 5<sup>th</sup> 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.* 39<sup>th</sup> 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.* 6<sup>th</sup> 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.* 6<sup>th</sup> 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.* 10<sup>th</sup> 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*. 56<sup>th</sup> 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*. 8<sup>th</sup> 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.* 5<sup>th</sup> 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.* 5<sup>th</sup> International Innate Immunity Conference (June 21-26, 2008; Hania, Greece).
- 129) 2008 *Role of mast cells in cancer growth.* 3<sup>rd</sup> 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.* 5<sup>th</sup> Balkan Congress of Alleregology and Clinical Immunology October 17-19, 2008; Thessaloniki, Greece).
- 132) 2008 *Autism, food intolerance and mast cells.* 5<sup>th</sup> 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."* 18<sup>th</sup> 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."* 8<sup>th</sup> 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."* 20<sup>th</sup> 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."* 20<sup>th</sup> Annual Meeting of the Mastocytosis Society (Rochester, MN; September 17, 2014).
- 192) 2014 *"Implications of coronary mast cell activation."* 20<sup>th</sup> 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) 11<sup>th</sup> 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) 11<sup>th</sup> 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) 1<sup>st</sup> 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) 11<sup>th</sup> 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) 11<sup>th</sup> 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) 1<sup>st</sup> 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 25<sup>th</sup> 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 75<sup>th</sup> 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) 24<sup>th</sup> TMS National Patient and Caregiver Conference (October 13-20, 2021; virtual)  
<https://tmsforacure.org/2021-aaaai-annual-meeting-mcd-sessions/>
- 293) AAEM 56<sup>th</sup> 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\\_htl8bevvd](https://sharkmedia.nova.edu/media/Interstitial+Cystitis+Bladder+Pain+Syndrome+Symposium%2C+March+11%2C+2023/1_htl8bevvd)
- 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)
- 335) MAPS (September 10, 2025)
- 336) TACA (October 10, 2025; Costa Mesa, CA)

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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 ...

[www.youtube.com › watch](https://www.youtube.com/watch)



? In this fascinating episode of the Bendy Bodies **Podcast**, Dr. Linda Bluestein is joined by Dr. Theoharis **Theoharides**, one of the world's ...

YouTube · Bendy Bodies · 1 month ago

8 key moments in this video

### Regulate Brain Mast Cells | Dr. Theoharis Theoharides

[www.youtube.com › watch](https://www.youtube.com/watch)



... **Theoharides** delves into the role of allergies ... **Podcasts:** <https://podcasts.apple.com/us/podcast/autism-parenting-secrets/id1515341022?>

YouTube · Institute for Neuro-Immune Medicine · Jan 28, 2025



21 key moments in this video

### The Effect of Mold and Heavy Metals on the Body with Dr ...

[www.youtube.com › watch](https://www.youtube.com/watch)



... **Theoharides** shares his expertise on how environmental toxins impact ... **Apple Podcasts:** <https://podcasts.apple...> **Spotify:** <https://open ...>

YouTube · Institute for Neuro-Immune Medicine · Dec 3, 2024



17 key moments in this video

## Demystifying Mast Cells: How To Get The Right Diagnosis

[www.youtube.com](https://www.youtube.com/watch) › watch



Join our **podcast** giveaway by leaving us a 5-star review on Apple **Podcasts**!

YouTube · Institute for Neuro-Immune Medicine · Jan 10, 2024



12 key moments in this video

## How to Calm Overactive Mast Cells

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... **Podcast** - The Hidden Health Dangers of Natural Disasters ... The Hidden Health Dangers of Natural Disasters with Theoharis **Theoharides**.

YouTube · Institute for Neuro-Immune Medicine · 3 weeks ago

## My Mystery Symptoms and Mast Cells

[www.youtube.com](https://www.youtube.com/watch) › watch



In this documentary, Theoharis C. **Theoharides**, MS, MPhil, PhD, MD interviews Lisa Kilt and Julia M. Stewart, RN – two individuals who have ...

YouTube · Institute for Neuro-Immune Medicine · Sep 19, 2023



15 key moments in this video

## The Hidden Health Dangers of Natural Disasters with ...

[www.youtube.com › watch](https://www.youtube.com/watch)



Theoharis **Theoharides**, Professor and Vice-Chair of Clinical ... Apple Podcasts: <https://podcasts.apple...>

Spotify: [https://open ...](https://open...)

YouTube · Institute for Neuro-Immune Medicine · 3 weeks ago

4 key moments in this video

## Brain Fog and Sensory Sensitivity! #podcast #brainfog ...

[www.youtube.com › watch](https://www.youtube.com/watch)



#podcast #brainfog #sensitivity. 463 views · 1 month ago ...more ... Theoharis **Theoharides** (Ep 139). Bendy Bodies•1.5K views · 18:53 · Go to ...

YouTube · Bendy Bodies · 1 month ago

## The IC/Vulvodynia Connection | Dr. Theoharis Theoharides

[www.youtube.com › watch](https://www.youtube.com/watch)



Recently on the Pelvic Health Support **Podcast**, Dr. Theoharis **Theoharides** discussed the connection between interstitial cystitis (IC), ...

YouTube · Institute for Neuro-Immune Medicine · Jan 14, 2025



18 key moments in this video

## 18. Welcome back! Dr. Theoharides tells us about mast cells ...

[www.youtube.com](https://www.youtube.com/watch) › watch



Welcome back to Season 2 of the Looking at Lyme **podcast**. Buckle your seatbelts, because we are going on a science adventure with Dr.

YouTube · CanLyme · Mar 24, 2024

5 key moments in this video

## Complex Diseases Need Personalized Care

[www.youtube.com](https://www.youtube.com/watch) › watch



How can you eliminate toxins and create a healthier environment? Nathalie Sloane and Dr. Theoharis **Theoharides** ... **Podcast**. [https://youtu ...](https://youtu...)

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## BEST Mast Cell Stabilizers! #mastcellactivation #mcas ...

[www.youtube.com](https://www.youtube.com/watch) › watch



BEST Mast Cell Stabilizers! #mastcellactivation #mcas #mastcellactivationssyndrome #podcast · Comments.  
YouTube · Bendy Bodies · 1 month ago

## Mast Cells Pain - Theoharis Theoharides

[www.youtube.com › watch](https://www.youtube.com/watch)



Dr **Theoharides** is a prominent researcher and clinician in immunology and allergy. He has made many discoveries that have given valuable ...

YouTube · International Association for the Study of Pain · Feb 12, 2024

6 key moments in this video

## What You Eat Matters

[www.youtube.com › watch](https://www.youtube.com/watch)



... **Theoharides** explains that many toxins get stored in body fat ... Learn more on the Hope and Help **Podcast** today:[https://podcasts.apple...](https://podcasts.apple.com)

YouTube · Institute for Neuro-Immune Medicine · Dec 10, 2024

## Brain Fog: Causes and Prevention

[www.youtube.com › watch](https://www.youtube.com/watch)



" real? Dr. **Theoharides Theoharides** explains the truth. Joined by Haylie Pomroy. Dr. **Theoharides** ...

Apple **Podcasts**: [https://podcasts.apple...](https://podcasts.apple.com)

YouTube · Institute for Neuro-Immune Medicine · May 14, 2024



11 key moments in this video

## The Truth About Food Allergy Testing | Office Hours (Ep 124)

[www.youtube.com](https://www.youtube.com/watch) › watch



In this informative solo episode of the Bendy Bodies **podcast**, Dr ... Theoharis **Theoharides** (Ep 139). Bendy Bodies New 1K views · 1:23:27 · Go ...

YouTube · Bendy Bodies · Dec 19, 2024

## Mast Cell Over-Activation, and How It Affects Our Mind and ...

[www.youtube.com](https://www.youtube.com/watch) › watch



On April 4, 2024, Dr. Theoharis C. **Theoharides** delivered a comprehensive presentation titled “Mast Cell Over-Activation, and How It Affects ...

YouTube · Institute for Neuro-Immune Medicine · Apr 17, 2024

10 key moments in this video

## Episode 240 of Autism Parenting Secrets podcast was just ...

[www.instagram.com](https://www.instagram.com/reel) › reel



... **Theoharides**, a trailblazer in Autism and Mast Cell Regulation. With five degrees and decades of research, Dr. **Theoharides** offers powerful ...  
Instagram · Jan 23, 2025

## My Mystery Symptoms and Mast Cells

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. **Theoharides** breaks down the science behind mast cells, mast cell activation syndrome (MCAS), and the possible solutions to dealing with ...

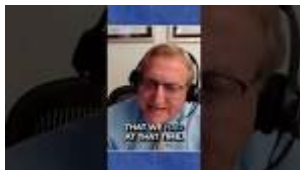
YouTube · Institute for Neuro-Immune Medicine · Sep 19, 2023



15 key moments in this video

## Environmental Stress Can Worsen Allergies

[www.youtube.com](https://www.youtube.com/watch?v=...) › watch



... [podcasts.apple.com/us/podcast/hope-and-help-for-fatigue-chronic-illness/id1724900423](https://podcasts.apple.com/us/podcast/hope-and-help-for-fatigue-chronic-illness/id1724900423) Dr. Theoharis **Theoharides** ... **Podcast**. Corewell Health ...

YouTube · Institute for Neuro-Immune Medicine · Dec 6, 2024

## Consider These Signs for Mast Cell Syndrome

[www.youtube.com](https://www.youtube.com/watch?v=...) › watch



Our bodies have different ways of manifesting the presence of mast cells. Dr. Theoharis **Theoharides** unravels two signs that you should ...

YouTube · Institute for Neuro-Immune Medicine · Jan 26, 2024

## Cass & Len | Episode 240 of Autism Parenting Secrets ...

www.instagram.com › reel › DFVOswGxKJr



... **Theoharides**, a trailblazer in Autism and Mast Cell Regulation. With five degrees and decades of research, Dr. **Theoharides** offers powerful ...

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## How to Calm Overactive Mast Cells

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How do you calm down overactive mast cells? With Nathalie Sloane, Dr. Theoharis **Theoharides** ... **Podcast** - The Hidden Health Dangers of ...

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## Mast Cells - How They Affect Vaccine, Drug & Food Allergies

www.youtube.com › watch



/ holisticimmunology // **P O D C A S T** Check out our **podcast** ... **Theoharides** and Dr. Darin Ingels. Darin Ingels ND•432 views · 13:30 · Go ...

YouTube · The Smartest Doctor in the Room · Jul 25, 2021

10 key moments in this video

## Brain Fog Explained in Simple Terms - Bendy Bodies Podcast

[www.youtube.com › watch](https://www.youtube.com/watch)



In this episode of Bendy Bodies Podcast, we explore the common ... Theoharis **Theoharides** (Ep 139). Bendy Bodies•1.5K views · 26:53 · Go to ...

YouTube · Bendy Bodies · Feb 18, 2025

## A Personal and Professional Perspective on MCAS | Office ...

[m.youtube.com › watch](https://m.youtube.com/watch)



... Podcasts, newsletters, and community platforms are invaluable for ... Theoharis **Theoharides** (Ep 139). Bendy Bodies•1.2K views · 1:15:03 · Go ...

YouTube · Bendy Bodies · Nov 28, 2024

## Understanding IC/BPS

[www.youtube.com › watch](https://www.youtube.com/watch)



... **Theoharides** has also helped develop some unique dietary supplements ... Esther Han | BackTable Urology Podcast Ep. 38. BackTable Urology ...

YouTube · Pelvic Health Support · Nov 17, 2022

8 key moments in this video

## Does tryptase matter? On the latest episode of ...

[www.instagram.com](https://www.instagram.com) › reel



latest episode of @bendy\_bodies, Dr. **Theoharides** explains why ... Listen to the full episode wherever you get your **podcasts**!

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## Have you ever felt like your symptoms don't make sense? In ...

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... episode of the @bendy\_bodies **podcast**, @hypermobilitymd is joined by Dr. Theoharis **Theoharides**, one of the world's leading experts on mast ...

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## The Truth Behind Mast Cells with Dr. Theoharis Theoharides ...

[www.youtube.com](https://www.youtube.com) › watch



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

YouTube · Haylie Pomroy · Jan 23, 2024

## Episode 240 of Autism Parenting Secrets podcast is truly an ...

[www.instagram.com](https://www.instagram.com) › reel › DFVOswGxKJr › episode-...



AUTISM PARENTING SECRETS EPISODE 240 WITH DR. THEOHARIS **THEOHARIDES** ARE MAST CELLS AN ISSUE? DO THIS SIMPLE TEST N use my fingernail or you can ...

Instagram · Jan 27, 2025

## Season 4 Wrap: Reading Your Comments

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Hidden Histamine Threats with Dr. Theoharis **Theoharides** (Ep 139). Bendy Bodies•1.5K views · 1:05:14 · Go to channel · Examining The Future of ...

YouTube · Bendy Bodies · Jul 8, 2024

## Episode #58: Mast Cell Master with Dr. T.C. Theoharides, PhD ...

[www.youtube.com](https://www.youtube.com/watch) › watch



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

YouTube · BetterHealthGuy · Jan 30, 2018

## Human Content | Have you ever felt like your symptoms don't ...

[www.instagram.com](https://www.instagram.com/humancontentpods) › humancontentpods › reel



't make sense? In the latest episode of the @bendy\_bodies **podcast**, @hypermobilitymd is joined by Dr. Theoharis **Theoharides**, one of the ...  
Instagram · 1 month ago

## Wholistic Kids and Families | THE ONLY SIGNIFICANT ...

[www.instagram.com › wholistickids](https://www.instagram.com/wholistickids) › reel



In this insightful episode of the Autism Parenting Secrets (@autismparentingsecrets) **podcast**, Dr. Theo **Theoharides** dives into the critical ...  
Instagram · Feb 13, 2025

## Inflammation Derails Brain Homeostasis | Dr. Theoharis ...

[www.youtube.com › watch](https://www.youtube.com/watch)



In the recent INIM conference held on May 10, 2024, Dr. Theoharis **Theoharides** discussed his study on how inflammation derails brain ...

YouTube · Institute for Neuro-Immune Medicine · May 31, 2024



17 key moments in this video

Linda Bluestein MD (hEDS / HSD spc) | 💬 Mast cells: tiny but ...

[www.instagram.com › hypermobilitymd › reel](https://www.instagram.com/hypermobilitymd)



, Dr. Theoharis **Theoharides** unpacks the complexities of Mast Cell ... Listen to the full episode wherever you get your **podcasts**!

Instagram · 1 month ago

## Ever wondered about tryptase and its role in health? Dr ...

[www.instagram.com › reel › DleES\\_ZRqSO](https://www.instagram.com/reel/DleES_ZRqSO)



**Theoharides** breaks it down on the Bendy Bodies **Podcast** with Dr. Linda Bluestein! From mast cells to the science behind it all, get ready for ...

Instagram · 3 weeks ago

## Bendy Daughter Question

[www.bendybodiespodcast.com › videos › bendy-daught...](https://www.bendybodiespodcast.com/videos/bendy-daught...)



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Bendy Bodies · Bendy Bodies · Jan 22, 2025

## Do you have brain fog? #shorts



Recent Episodes. Hidden Histamine Threats with Dr. Theoharis **Theoharides** (Ep 139) · Lower Your EDS Pain | Office Hours (EP 138) · Signs ...

Bendy Bodies · Bendy Bodies · Sep 10, 2024