

CURRICULUM VITAE

NAME Kyriaki Thermos (Thermou)
DATE OF BIRTH December 17 1954
PROFESSIONAL ADDRESS University of Crete
Faculty of Medicine
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EDUCATION **Undergraduate**

1972-1973 University of California at Los Angeles (UCLA) (major: Chemistry)
1973-1976 University of Patras, Department of Chemistry
October 1976 Bachelor's of Science, University of Patras

Graduate

January 1977-1979 New York University, Department of Chemistry
Master of Science
1979-1984 Dissertation, Laboratory of Neurochemistry,
Department of Chemistry, New York University, N.Y.
Title of Thesis: "Binding of [³H] chlorpromazine and photolabeling
of receptor sites in bovine and canine striatum" Mentors: Profs
Randall B. Murphy, David Schuster
1984 Doctor of Philosophy (Ph.D)

RESEARCH AND/OR PROFESSIONAL EXPERIENCE:

June 1984-May 1986 Postdoctoral fellow
Departments of Pharmacology and Psychiatry
University of Pennsylvania, School of Medicine
and Medical College of Pennsylvania
Mentor: Prof. B. Weiss
Jan 1986-June 1986 Instructor of Pharmacology
Department of Pharmacology
Medical College of Pennsylvania, Philadelphia, USA
Sept 1986-May 1988 Instructor of Pharmacology
Department of Pharmacology

University of Pennsylvania, School of Medicine,
Philadelphia, USA, Mentor: Prof. T. Reisine

- June 1988-1993 Assistant Professor of Pharmacology
University of Crete, Faculty of Medicine
Dept of Basic Sciences, Laboratory of Pharmacology
- 1993-2009 Associate Professor of Pharmacology
University of Crete, Faculty of Medicine
Dept of Basic Sciences, Laboratory of Pharmacology
- 1997-1998
One semester Visiting Professor
UCLA School of Medicine
Department of Neurology, Los Angeles, CA
- 2009-present Professor of Pharmacology
University of Crete, Faculty of Medicine
Dept of Basic Sciences, Laboratory of Pharmacology

FELLOWSHIPS AND HONORS

- 1977-1984 Fellowship for graduate studies at New York University
- 1984-1986 Fellow, Training Program in Neuropsychopharmacology,
University of Pennsylvania, School of Medicine, NIMH-MH 146554
- 1986-1987 Biomedical Research Service Award
Medical College of Pennsylvania and Eastern Pennsylvanian Psychiatric
Institute, Philadelphia, USA

GRANTS

Principal Investigator: K. Thermos

- 1986-1987 Studies of sites involved in dopaminergic supersensitivity
National Institute of Mental Health (NIMH-42015-01 **R03**; \$15000)
- 1989-1991 Dopamine-somatostatin interactions: changes after chronic administration of
antidepressant drugs. Pharmacological approach to the neurobiological
substrate of depression, Greek Ministry of Health
- 1989-1992 Study of somatostatin receptors. Solubilization and reconstitution in a
superficial membrane, University of Crete, Research Account
- 1991-1992 Study of pharmacological characteristics of dopamine receptor subtypes:
New therapeutic targets for neuropsychiatric diseases.
Greek Ministry of Health
- 1991-1992 Pharmacological and molecular characterization of somatostatin receptors.
Greek Ministry of Health
- 1991-1992 Characterization of somatostatin receptors in the brain: Study of dopamine-
somatostatin interactions, Greek Drug Association
- 1991-1993 Interactions of somatostatin with other neurotransmitter systems in the central
nervous system: Projections of the role of somatostatin in the pathogenesis of
CNS disorders

- 1996-1998 General Secretariat-Ministry of Research and Development/PENED
Determination of somatostatin release in the nucleus accumbens: effect of chronic antidepressant treatment
General Secretariat-Ministry of Research and development/PENED
- 1998-2001 Study of the role of somatostatin in the neuronal circuits of the retina
General Secretariat-Ministry of Research and development, France-Greece Collaboration (In collaboration with Dr J. Epelbaum, Centre Paul Broca, Paris)
- 1998-2000 Study of the role of somatostatin in the neuronal circuits of the retina
University of Crete, Research Account
- 2002-2004 Study of the role of somatostatin in the retina and in ischemic retinopathies.
NOVARTIS, BASEL
- 2003-2006 Functional mapping of somatostatin receptors in the basal ganglia. Study of the interactions of somatostatin with other neurotransmitter systems, Ministry of Education, Program Heraklitos
- 2004-2006 Study of the role of somatostatin in the treatment of diseases such as retinal ischemia and hepatocellular carcinoma, Ministry of Education, Program Pythagoras
- 2005-2008 Experimental models of retinopathies and the role of somatostatin as a neuroprotectant.
General Secretariat-Ministry of Research and Development/PENED
- 2011-2012 Somatostatin analogues as therapeutic targets in ischemia induced retinopathies. University of Crete Research Committee.
- 2011-2014 Study of the neuroprotective actions of cannabinoids against retinal ischemia” Ministry of Education (Program Heraklitos II-Support for Ph.D student D. Kokona).

Collaborative projects

- 1990-1993 Prevention of drug abuse in children and adolescents. Isolation of substances of abuse in the plants of Crete
Program SPA: Prof C. Spyraiki principal investigator
- 1998-2000 Development and study of a genetic model of drug abuse
Program SPA: Prof C. Spyraiki principal investigator
- 1998-2000 Biology of Cancer: Genetic Analysis and in vivo imaging of receptors-radiotherapy, General Secretariat-Ministry of Research and development, EPET II
Dr Chiotellis, Demokritos, principal investigator
- 2000-2003 Somatostatin and its Receptors in Brain Function and Dysfunction
European Union, **5th Framework**
Prof W. Meyerhof, Potsdam, Principal Investigator
- 2003-2006 Synthesis and pharmacological study of new cannabinoids
General Secretariat-Ministry of Research and Development (EPAN)
Prof C. Spyraiki principal investigator

[Total funding: research grants plus funding for supplies and instrumentation through the Graduate Program of Neuroscience, approximately 1 000K euros]

EDUCATIONAL GRANTS

Principal Investigator: K. Thermos

- 1989-1990 Development of a Graduate Program in Neurosciences
STV 89-G-0-100M
- 1996 Organization of the 12th Meeting of the Hellenic Society for Neurosciences
General Secretariat-Ministry of Research and Development

As Collaborator

- 1998-2000 Graduate Program in Neurosciences
Ministry of Education, EPEAEK
Prof. A. Moschovakis, Head
- 2001-2003 Graduate Program in Neurosciences
Ministry of Education, EPEAEK
Prof. A. Plaitakis, Head

PROFESSIONAL SOCIETIES:

- American Society for Neuroscience 1980-
- European Neuroscience Association/FENS 1989-
- Hellenic Society for Neurosciences 1989-
Elected Member of the Board (1989-1992)
- Hellenic Society of Biochemistry and Biophysics 1990-
- Greek Pharmacological Society 1988-
Elected Member of the Board
Chairman 2001-2003
General Secretary 2003-2005

REVIEWER IN SCIENTIFIC JOURNALS

Brain Research
Brain Research Bulletin
Current Eye Research
European Journal Neuroscience
Investigative Ophthalmology and Visual Science (IOVS)
Journal of Chemical Neuroanatomy
Journal of Neurochemistry
Life Sciences
Molecular Cellular Endocrinology
Molecular Genetics and Metabolism
Molecular Vision
Naunyn-Schmiedeberg's Archives of Pharmacology
Neuropeptides
Neuropharmacology
Neuroscience
Neuroscience Letters
Pharmacology and Therapeutics
The Asia- Pacific Journal of Endocrinology
Vision Research
Visual Neuroscience

REVIEWER OF GRANT PROPOSALS/STUDY SECTIONS

National Science Foundation (USA)
Neuroscience Study Section, European Union, Brussels
Marie-Curie Programs, Brussels
Ministry of Health, KESY
Research Accounts, University of Ioannina

ADMINISTRATIVE EXPERIENCE

School of Medicine, University of Crete

Committees

1989, 2008- Undergraduate Curriculum
1989-1997 Library
1989-1997 Commencement
1994-present International Affairs/ Student Exchange
Chairman 1994-1995; 2002-present (Erasmus Coordinator)
1990-1993 ICP-network, Erasmus Program
Chair: E. Molina, University of Parma
1993-2003 "Medical Education Network" MEDNET
1993-1998 Executive Committee, Graduate Program in Neurosciences
1996-1997 **Chairman**, Department of Basic Sciences, Faculty of Medicine
1996-1997 **Executive Council**, Faculty of Medicine
1998-2000 Executive Committee, Graduate Program in Neurosciences
1999-2004 Publication Committee
1998-2000 Executive Committee of the Graduate Program in Neuroscience
2001-2011 **Associate Director** and Member of the Executive Committee of the Graduate Program in Neuroscience
2011-present Director Graduate Program in Neuroscience, School of Medicine, Univ Crete

University Hospital

Laboratory of Clinical Pharmacology

1990-2000, 2002-2008 **Vice-Director**
2000-2002, **2008-present Director**
1996-1998, 2002 Drug Committee

University of Crete

1995 Office of Operational Programmes for Competitiveness
2000-present Committee of InterUniversity Relations
2001-present **Chairman** Committee of the Collaboration with the Pancretan Society (USA) Project DIAS-Summer Schools
2002-present Committee for the Bilateral Collaboration with the University of Washington (educational collaboration and mobility of Professors)
2005 Faculty of Medicine Representative to the University Senate

Greek Drug Organization

2000-present Scientific Collaborator
2001-2005 Member of the Secondary Council

Greek Pharmacological Society

2001-2003 President
2003-2005 General Secretary

Hellenic Society for the Neurosciences

1989-1992 Elected member of the Executive Board
2000-2006 Representative to IBRO (**member of IBRO governing council**)

Federation of the European Neuroscience Societies (FENS)

2003-2005 Member of Network European Neuroscience Schools (**NENS**)
2009-2012 Communication and Publication Committee(C&P Committee)
July 2012-July 2014 Chair, FENS Communication Committee
Member, FENS Executive Committee and Governing Council

European Medical Education Networks

1997-2003 Thematic Network in Medical Education (MEDNET)
Voted member of taskforce
2004-2007 ECTS Medicine Association
Voted member of executive council
2005-2010 MEDINE (thematic network in Medical Education)

Advisory Committee for the Recruitment or Promotion of Faculty Members

Assistant and Associate Professor Pharmacology Positions, Faculty of Medicine, University of Crete
Assistant Professor Pharmacology Position, School of Nursing, University of Athens
Associate Professor of Neurobiology Position, Department of Biology, University of Crete

Member of Organizing Committees and Symposia

1989 Annual Meeting of Hellenic Society for the Neurosciences, Heraklion, Crete
1996 Annual Meeting of Hellenic Society for the Neurosciences, Anogia, Crete
2000 Annual Meeting of Medical Students. Organization of a Symposium titled: "The role of the exchange program in Medical Education"
(Chair)
2000 Medical Education and Research, Faculty of Medicine
Responsible for the organization of a workshop on the "Professionalization of Teachers"
2000 Crete-Health (2000-2020) University of Crete, Faculty of Medicine
2000 15th Annual Meeting of Hellenic Society for the Neurosciences, Organization of Symposium titled: Somatostatin and Neurotransmission, Patras, Greece

- 2000 6th World Hellenic Biomedical Congress, Symposium: Recent Developments in Neuropsychopharmacology
- 2002 2nd Meeting of the Greek Pharmacological Society Athens (**Chair**)
- 2002 22nd Blankanese Conference “Brain Function and Dysfunction: Somatostatin and related peptides and their cognitive receptors”, Hamburg-Blankanese, Germany
- 2002 7th World Hellenic Biomedical Congress, Symposium: Neurobiological basis of reward and abuse potential of psychotropic drugs
- 2004 Meeting of the Greek Pharmacological Society, Thessaloniki, Greece
- 2006 20th Meeting of the Hellenic Society for the Neurosciences Heraklion, Crete (**Chair**)
- 2010 6th Meeting of the Greek Pharmacological Society, Heraklion, Crete (**Chair**)
- 2010 Symposium on Medical Education:2000/2010 The Sequel (**Chair**) School of Medicine, University of Crete

INVITED RESEARCH SEMINARS AND SYMPOSIA PRESENTATIONS

- 1988 “Biochemical characterization of somatostatin receptors in the brain” Annual Meeting of the Hellenic Society for the Neurosciences, Athens.
- 1989 “Isolation of somatostatin receptors from rat brain” Laboratory of Neurophysiology, School of Medicine, University of Patras.
- 1990 “Physiology of the somatostatinergic system” Round Table in Annual Meeting of the Hellenic Society for the Neurosciences, Ioannina
- 1990 “Characterization of somatostatin receptors in brain” Laboratory of Physiology (Prof. Car), Universite de Marseille, Faculte des Sciences de Saint Jerome.
- 1995 "Biosensors in Medicine ", Department of Physics, University of Crete
- 1998 "Somatostatin's Importance in the Basal Ganglia: an in vivo micro-dialysis study"MERCK Research Laboratories, New Jersey, USA
- 1998 "Somatostatin's Importance in the Basal Ganglia: an in vivo microdialysis study", University of Sussex
- 1999 "Can somatostatin play a role in retinal neovascularization” Ophthalmology Clinic, University Hospital, University of Crete
- 1999 "Antiproliferative actions via activation of membrane receptors- the somatostatin example”
10^o Panhellenic Congress of Oncology, Thessaloniki
- 2000 "Somatostatin's role in the Basal Ganglia"
University of Edinburgh
- 2000 "Somatostatin and its receptors: molecular biology to therapeutics" 6th World Hellenic Biomedical Congress, Athens
- 2000 "The role of somatostatin in the retina" 15^o Meeting of the Hellenic Society for the Neurosciences, Patras
- 2001 "Somatostatin and its receptors: from molecular biology to therapeutics” Greek Pharmacological Society, Athens
- 2002 "Functional Mapping of Somatostatin receptors in the retina". 22nd Blankanese Conference, Hamburg-Blankanese, Germany
- 2002 "Functional Mapping of Somatostatin receptors in the retina", 19^o Panhellenic Congress of Chemistry, Heraklion
- 2004 Protective effects of somatostatin analogs against chemically induced ischemia in rat retina: role of somatostatin in the treatment of retinopathies”, 5th Conference Medicinal Chemistry: Drug Discovery and Design, Patras
- 2004 “Dopamine Somatostatin interactions in the basal ganglia” Laboratory of Pharmacology, School of Medicine, University of Thessaly.

- 2005 “Receptors and Neurotransmission: Functional mapping of somatostatin receptors in the retina” Seminars of Laboratory of Physiology, School of Medicine, University of Athens
- 2006 “Antidepressant strategies and the putative role of somatostatin” 7th Conference Medicinal Chemistry: Drug Discovery and Design, Patras
- 2009 Somatostatin analogs as therapeutics in retinal disease. Aegean Retina XI Chania, July 3-5, 2009
- 2009 Somatostatin analogs as therapeutics in retinal disease. 23rd Annual Meeting of the Hellenic Society of Neuroscience, Rhodos, 13-14 September, 2009
- 2009 Nitric oxide and cGMP protect the retinal from ischemia and mediate somatostatin’s neuroprotective effects. European Association of Vision and Eye Research (EVER), Portoroz, Slovenia, September 30-October 3, 2009.
- 2010 Immunohistochemistry and Western blot methodologies to evaluate neuroprotective agents in models of retinopathies. European Association of Vision and Eye Research (EVER), Hersonisos, Crete, October 6-9, 2010
- 2011 Somatostatin analogues as therapeutics in ischemia induced retinopathies.
- 2011 Summer Neuropeptide Conference and the European Neuropeptide Club Meeting, Boston, USA.

EDUCATIONAL LECTURES

- 1990 “Pharmacokinetics of antiepileptic and antipsychotic drugs” Symposium: “Pharmacokinetics in Therapeutics” School of Medicine, University of Crete.
- 1996 "Greek Neuroscientist's network" Interdisciplinary European Awareness Action and Education Meeting on Information Retrieval and Neurosciences, Brussels, Belgium (**Representative of the Hellenic Society for the Neurosciences**)
- 1998 "Mechanisms of antibiotic desensitization” World Congress of ENT” Athens
- 1999 "Anaphylactic reactions to antibiotics and anesthetics” Anesthesiology Clinic, University Hospital, University of Crete
- 2000 "The role of receptors and signal transduction in pharmacodynamics” Greek Pharmacological Society, Athens
- 2004 “The European experience via MEDNET and ECTS. Trends and goals in undergraduate medical education” Faculty of Medicine, University of Crete
- 2004 “Neuroscience Graduate Programs in Southern Europe” NENS Workshop: Networking European Neuroscience Graduate Programmes, 4th Forum of European Neuroscience Societies, Lisbon

LECTURES TO NON SCIENCE AUDIENCE - PUBLIC OUTREACH

- 2000 "The brain and its functions”
Participation in the decade of the brain events by teaching students of the 20th Elementary School of Heraklion

TEACHING EXPERIENCE

Prior to my appointment as Assistant Professor of Pharmacology at the University of Crete, I was a teaching assistant in chemistry to undergraduate students and in biochemistry to graduate students (New York University, 1977-1984). Also as a postdoctoral fellow I

participated in the teaching of courses such as the Literature Critiques (Medical College of Pennsylvania)

Teaching Experience-Undergraduate Level- Faculty of Medicine University of Crete

Pharmacology

Participation in the Organization and teaching of the Basic Pharmacology Course (**1988-present**), **Course Director: 1991-1992, 1993-2005**

Teaching: Basic Principles [Introduction, Pharmacodynamics, Pharmacokinetics, Drug Metabolism, Basic and Clinical Evaluation of New Drugs], Introduction to Autonomic Pharmacology and Autonomic Drugs, Drugs acting on smooth muscle, Drugs that act in the Central Nervous Systems, Hormones, Drugs of the cardiovascular system

Basic Neurosciences (1988-1989)

Cell communication (participation in teaching 1990, reorganization of course. **Course director: 2000, 2005**

Drugs of Abuse- organization and participation in teaching.
Course director, 1989-1991

Teaching experience at the Graduate Level

A. Graduate Program of Neuroscience, Faculty of Medicine University of Crete

Organization and teaching of the following courses:

Special Topics in Neuropharmacology, Course director, 1995, 1997

Neurotransmission, Course director, 1999

Neurochemistry/ Neuropharmacology, Course director, 2003, 2005, 2007

Core course in Neuroscience, 2000

Core course in Neuroscience, Course director, 2002,2004,2006

Literature Critique, Course director, 2003

B. Graduate Program in “The Isolation and Synthesis of Natural Products with Biological Activity”, Department of Chemistry, University of Crete

Structure Activity Relationships, Pharmacodynamics, Drug Development,
1998-present

C. Graduate Program in “Cellular and Genetic Aetiology, Diagnostics and Therapeutics of Human Diseases”, Faculty of Medicine, University of Crete

Special Topics in Pharmacology, **Course Director 2004, 2005**

D. Graduate Program in “Optics and Vision”, Faculty of Medicine, University of Crete

Retinal circuits, Neurotransmission-Rhodopsin- 2005,2006

E. Graduate Program in Clinical Pharmacology and Therapeutics”, University of Crete and Dimokriteion University

Neurotransmission, Signal transduction, Drug Development - 2006

F. Graduate Program of the School of Medicine, University of Athens (Direction: Pharmacology)

Neurobiology of Vision, Receptors and Signal Transduction -1999, 2000

Teaching as part of the Socrates Program for the mobility of teachers

2000 Graduate Program in Neurosciences (Honors students)
University of Edinburgh
1997 Department of Psychology, School of Life Sciences, **University of Sussex**

Graduate Students (Ph.D. Thesis advisor)

George Liapakis (1989-1994),
Current Position: Assist Prof Pharmacology, University of Crete
James Radke (1989-1994), **Current Position: Scientific Writer**
Anna Vasilaki (1997-2001)
Current Position: Assistant Professor in Pharmacology, University of Thessaly
Eleftherios Pallis (1997-2004)
Current Position: Child Psychiatrist and Research Collaborator in the Dept Pharmacology, University of Athens
T. Papadaki (2000-2010)
Current Position: Ophthalmologist, Department of Ophthalmology, University Hospital, Heraklion
A. Marazioti (2003-2007)
Current Position: Postdoctoral Fellow, Department of Physiology, School of Medicine, University of Patras
F. Kiagiadaki (2006-2009)
Current Position: Postdoctoral Fellow, Department of Experimental Endocrinology School of Medicine, University of Crete
N. Mastrodimou (2000-2011)
Current Position: Permanent Research Assistant, University of Crete

Despina Kokona (10-11-2010-present)

Graduate Students (MSc Thesis advisor)

Anastasia Papadioti (2004)
Evagelia Kouvidi (2005)
Stratos Santis (2006)
Panagiotis Giannogonas (2008)
Despina Kokona (2010)
Stefanos Fokos (2010)
Emmanuel Koulakis –
Melina Tseliou -

Member of Theses Committees for over 50 students, have trained a large number of rotation students from the graduate program in neuroscience, and undergraduate students from the Depts of Chemistry and Biology, University of Crete for their diploma thesis. Also, I trained Erasmus students coming for research rotations, and undergraduate students from the Chemistry Department in the Clinical Pharmacology Laboratory of the University Hospital (1999-2004) in Drug Monitoring.

Research Interests

My research is focused on the study of the somatostatinergic system in the central nervous system and the understanding of the role of somatostatin in the pathophysiology of diseases and their therapeutics.

Emphasis has been given to the functional mapping of the somatostatin receptors in nuclei of basal ganglia in order to examine their implication in neurological and psychiatric diseases. In addition the retina has been used as a model of the central nervous system. The functional mapping of the somatostatin receptors and the role of somatostatin in retinal circuitry has been addressed. Furthermore, the role of somatostatin in retinopathies and their therapeutics has been examined with the development of in vitro and in vivo models of retinal ischemia and the use of somatostatin analogs as neuroprotectants in ex vivo studies, as well as in the treatment of diseases such as age related maculopathy in patients.

Most recently we focus on the use of animal models of retinopathies in order to investigate the putative neuroprotective actions of molecules other than somatostatin, such as the cannabinoids and neurosteroids, as well as the mechanisms involved in the neuroprotection.

Doctoral Dissertation

Thermos, K.

Binding of [³H]chlorpromazine and photolabeling of receptor sites in bovine and canine striatum, Doctoral Thesis, **New York University Archives, 1984.**

Publications

(* Corresponding author)

1. **Thermos, K.**, Murphy, R. B., and Schuster, D. I. Photoincorporation of [³H]Chlorpromazine into a solubilized bovine striatal preparation. *Biochemical Biophysical Research Communications* 106:1469-1477, 1982.
2. Schuster, D.I., Murphy, R.B., Ashton, R., **Thermos, K.**, Wennogle, L.P., Meyerson, L.R. "Photolabeling of neurotransmitter receptor sites in the brain." *American Chemical Society Symposium Series* 278:125-146, 1985.
3. **Thermos, K.**, Winkler, J.D. and Weiss, B. Effects of the irreversible dopaminergic ligand fluphenazine-N-mustard on dopaminergic behavior in supersensitive mice. *Neuropharmacology* 26: 1473-1480, 1987.
4. Winkler, J.D., **Thermos, K.**, and Weiss, B. Differential Effects of fluphenazine-N-mustard on calmodulin activity and D1 and D2 dopaminergic responses. *Psychopharmacology* 92: 285-291, 1987.
5. **Thermos, K.** and Reisine, T. Molecular mechanisms regulating ACTH synthesis and release. *Annals of New York Academy Sciences* 512: 187-194, 1987.
6. Katerinopoulos, H., **Thermos, K.**, Vassilatis, D., Schuster, D.I. Synthesis and dopamine receptor binding of rigid dopamine analogs. *European Journal Medicinal Chemistry* 23: 391-396, 1988.
7. Mahy, N., Woolkalis, M., **Thermos, K.**, Carlson, K., Manning, D., Reisine, T. Pertussis toxin modifies the characteristics of both the inhibitory GTP binding proteins and the somatostatin receptor in anterior pituitary tumor cells. *Journal of Pharmacology and Experimental Therapeutics* 246:779-785, 1988.
8. **Thermos, K.** and Reisine, T. Somatostatin receptor subtypes in the clonal anterior pituitary cell lines AtT-20 and GH₃. *Molecular Pharmacology* 33: 370-377, 1988.

9. He, H-T., Johnson, K., **Thermos, K.** and Reisine, T. Purification of a putative brain somatostatin receptor. *Proceedings National Academy Science (USA)* 86: 1480-1484, 1989.
10. **Thermos, K.**, He, H-T., Wang, H-L., Margolis, N., Reisine, T. Biochemical properties of brain somatostatin receptors. *Neuroscience* 31: 131-141, 1989.
11. Katerinopoulos, H. and **Thermos, K.** Synthesis and dopaminergic properties of bridged tricyclic dopamine analogues. *European Journal Medicinal Chemistry* 24: 615-617, 1989.
12. Reisine, T., He, H-T., Rens-Damiano, S., Raynor, K., Borislow, S., and **Thermos, K.** Biochemical properties of somatostatin receptors. *Metabolism* 39: 70-73, 1990.
13. **Thermos, K.**, Meglasson, M.D., Nelson, J., Smith, K.M., and Reisine, T. Pancreatic beta cell somatostatin receptors. *American Journal of Physiology* 259: E216-E224, 1990.
14. Liapakis, G. and **Thermos, K.*** Characterization of [¹²⁵I]Tyr¹¹-Somatostatin binding in the Retina. *Neuropeptides* 21: 13-19, 1992.
15. Georvasaki, E., **Thermos, K.***, Liapakis, G., Spyraiki, C. Effect of acute and chronic treatment of desipramine on somatostatin receptors in brain. *Psychopharmacology* 108: 363-366, 1992.
16. Kouvarakis, A., **Thermos, K.** Hieble, P. and Katerinopoulos, H.E. Synthesis of rigid catecholamine analogues: Effects on dopaminergic and adrenergic systems. *European Journal Medicinal Chemistry* 28: 251-256, 1993.
17. Liapakis, G., Politou, E. and **Thermos, K.*** Characterization of somatostatin receptors in rabbit retina. *Biochemical Pharmacology* 45:1821-1828, 1993.
18. Radke, J., Spyraiki, C., and **Thermos, K.*** Measurement of extracellular somatostatin levels in the striatum using in vivo intracerebral microdialysis. *Neuroscience* 54: 493-498, 1993.
19. Hatzoglou, A., Ouafik, L'H., Bakogeorgiou, E., **Thermos, K.** and Castanas, E. Morphine cross-reacts with somatostatin receptors in the T47D human breast cancer cell line. *Cancer Research* 55: 5632-5636, 1995.
20. Katerinopoulos, H.E., Tagmatarhis, N., Zaponakis, G. and **Thermos, K.** Conformationally flexible analogs of Abbot-68930 studies on dopaminergic and -adrenergic activity. *European Journal Medicinal Chemistry* 30:949-954, 1995.
21. **Thermos, K.***, Radke, J., Kastellakis, A., Anagnostakis, Y. and Spyraiki, C. Dopamine-somatostatin interactions in the rat striatum. *Synapse* 22: 209-216, 1996.
22. Kouroumalis, E.A., Skordilis, P., **Thermos, K.**, Vasilaki, A., Moschandra, J. and Manousos, O.N. Treatment of hepatocellular carcinoma with octreotide: a randomized study. *Gut* 42: 442-447, 1998.
23. Tagmatarhis, N., **Thermos, K.** and Katerinopoulos, H. N-Iodopropenyl-octahydrobenzo[f]-and [g]Quinoline analogs with adrenergic and dopaminergic activity. *Journal Medicinal Chemistry* 41: 4165-70, 1998.
24. Tzanakis, N., Metzidaki, G., **Thermos, K.**, Spyraiki, C., Bouros, D. Anaphylactic shock after a single oral dose of acetazolamide. *British Journal of Ophthalmology* 82: 588, 1998.
25. Mehta, A., **Thermos, K.** and Chesselet, M.F. Increased behavioral response to dopaminergic stimulation of the subthalamic nucleus following nigrostriatal lesion. *Synapse* 37: 298-307, 2000.
26. Vasilaki, A., Gardette, R., Epelbaum, J. and **Thermos, K.*** NADPH-diaphorase colocalizes with somatostatin receptor subtypes sst2A and sst2B in the rat and rabbit retina. *Investigative Ophthalmology and Visual Science* 42: 1600-1609, 2001.
27. **Thermos, K.**, Froudakis, G.E., Tagmatarchis, N. and Katerinopoulos H.E. cis-and trans-N-benzyl-octahydrobenzo[g]quinolines. Adrenergic and dopaminergic activity studies. *Bioorganic Medicinal Chemistry Letters* 11:883-886, 2001.
28. Pallis, E., **Thermos, K.*** and Spyraiki, C. Chronic desipramine treatment potentiates the somatostatin induced dopamine release selectively in the nucleus accumbens. *European Journal Neuroscience* 14: 763-767, 2001.

29. Vasilaki, A., Mouratidou, M., Schulz, S., **Thermos, K.*** Somatostatin influences nitric oxide production in the rat retina. *Neuropharmacology* 43: 899-909, 2002.
30. Grigoryan, E., Vasilaki, A., Mastrodimou, N. and **Thermos, K.*** Somatostatin receptor immunoreactivity in the eye of the adult newt (*pleurodeles waltli*) *Neuroscience Letters* 337: 143-146, 2003.
31. Vasilaki, A., Georgousi, Z., and **Thermos, K.*** Somatostatin receptors (sst₂) are coupled to Go and modulate GTPase activity in the rabbit retina. *Journal of Neurochemistry* 84:625-632, 2003.
32. **Thermos K.** Functional mapping of somatostatin receptors in the retina: A review *Vision Research* 43: 1805-1815, 2003.
33. Papadaki, T, Tsilibaris, M., **Thermos, K.**, Karavellas, M.P., Samonakis, D., Papadakis, A., Linardakis, M., Pallikaris, I. The role of lanreotide in the treatment of choroidal neovascularization secondary to age related macular degeneration: a pilot clinical study *Retina* 26: 800-807, 2003.
34. Mastrodimou, N. and **Thermos, K.***. The Somatostatin receptor (sst₁) modulates the release of somatostatin in rat retina. *Neuroscience Letters* 356: 13-16, 2004.
35. George Notas, George Kolios, Niki Mastrodimou, Marilena Kampa, Anna Vasilaki, Costas Xidakis, Elias Castanas, **Kyriaki Thermos**, Elias Kouroumalis* Cortistatin production by HepG2 human hepatocellular carcinoma cell line and distribution of somatostatin receptors *J. Hepatology* 40:792-798, 2004.
36. Vasilaki, A., Papadaki, T., Notas, G., Kolios, G., Mastrodimou, N., Hoyer, D, Tsilimbaris, M., Kouroumalis, E., Pallikaris, I. and **Thermos, K.***. Somatostatin regulates nitric oxide production in human retinal pigment epithelium (RPE) cell cultures *Investigative Ophthalmology & Visual Science* 45:1499-506, 2004.
37. Vasilaki, A., Papasava, D., Hoyer, D., and **Thermos, K.***. Somatostatin receptor (sst₁) modulates the release of somatostatin in the nucleus accumbens. *Neuropharmacology* 47: 612-618, 2004.
38. Mastrodimou, N., Lambrou, G., and **Thermos, K.*** Effect of somatostatin, cortistatin and sst₂ agonists on chemically induced ischemia in rat retina. *Naunyn-Schmiedeberg's Archives of Pharmacology* 371: 44-53, 2005.
39. Marazioti, A., Kastellakis, A., Antoniou, K., Papasava, D., **Thermos, K.*** Somatostatin and analogs administered in the ventral pallidum decrease locomotor activity of rats. *Psychopharmacology* 181: 319-326, 2005.
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