

Theodora Calogeropoulou

Senior Researcher

Tel: + 30 210 7273833

Fax: +30 210 7273831

E-mail: tcalog@eie.gr

Personal website



EDUCATION

Ph.D. July 1987, University of Iowa, Iowa City, Iowa, U.S.A.
Division of Organic Chemistry.
"New chemistry of vinyl phosphates a novel 1,3-migration of phosphorus from oxygen to carbon."

B.S. April 1983, (in Chemistry) National University of Athens, Athens, Greece.

EMPLOYMENT

9/1987-10/1989: **Postdoctoral Research Associate** at The Scripps Research Institute, San Diego, U.S.A.

- I was involved in the design and synthesis of anticancer and anti-HIV compounds

6/1990- 8/1991: **Researcher** at the R&D Department of "Viochrom" Dye Industry.

- I was involved in the synthesis of stilbene analogs with whitening properties
- I was responsible for the development of azo-dyes for polyester fibers
- I was responsible for the scale-up of the synthetic protocols developed in the laboratory

9/1991-6/2002: **Researcher** at the Institute of Organic and Pharmaceutical Chemistry of the National Hellenic Research Foundation, Athens

6/2002 to date: **Senior Researcher** at the Institute of Organic and Pharmaceutical Chemistry of the National Hellenic Research Foundation, Athens.

RESEARCH INTERESTS

The current research interests are focused on the design and synthesis of biologically active molecules. In particular:

a) Design and synthesis of ether phospholipids.

- Possessing anticancer and or antiprotozoal activity
- As carriers for widely used anticancer or anti-HIV agents in order to achieve improved delivery and targetting.

b) Design and synthesis of Central Nervous System Agents.

- GABA_A modulating neurosteroids that possess anxiolytic or anticonvulsant activity

- Neurosteroid analogues with neuroprotective activity

c) Design and synthesis of heterocyclic compounds with multifunctional pharmacological profile

- Possessing combined antioxidant and antiarrhythmic activity
- Possessing neuroprotective activity

Also, in collaboration with the Organic and Organometallic Chemistry Group, we are now initiating a 4-year Marie Curie Transfer of Knowledge project, "Sopholides", i.e. Solid-Phase Phospholipid and Dendrimer Synthesis in order to enhance our research capability in this area. Partner laboratories in this project are those of Professor Mark Bradley (University of Edinburgh), Professor David Walton (University of Coventry) and Professor André Loupy (Université Paris-Sud).

My research experience includes:

- Development of methodology for the synthesis of organic phosphorus-containing compounds
- Synthesis of nitrogen heterocycles
- Rational drug design and targeting by applying the self-assembling cytotoxin concept (Science **1986**, 233, 561).

FOREIGN LANGUAGES

English (excellent, Proficiency of Cambridge University).

French (excellent, Sorbonne II).

Spanish (working knowledge).

PROFESSIONAL AFFILIATIONS

Member, Greek Chemical Society

TEACHING EXPERIENCE

10/1983-12/1985:	Teaching assistant at the University of Iowa, Chemistry Department, U.S.A.
1995-to date	Supervision of 4 M.Sc. students and 4 Ph.D. students and 3 Postdoctoral Fellows
5/1998:	Instructor in training seminar on "Modern Chemistry and its Applications" chemistry teachers in secondary education in Greece.
2/2000:	Invited lecturer at the post graduate program of the Mediterranean Agricultural Institute of Chania
2002:	External evaluator of the European Ph.D. of Jordi Piro I Segarra entitled "Síntesi i Aplicacions de Pseudopeptids Restringits Derivats de Serina" of University of Barcelona, Faculty of Pharmacy, Dept. of Pharmacology and Medicinal Chemistry.

PARTICIPATION IN SCIENTIFIC COMMITTEES

1998 to 2000	Participation in the team of evaluators for Current Drugs LTD, London, U.K.
--------------	---

1998 -2004	National representative of the Management Committee of COST Chemistry, Action D13 " New Molecules Towards Human Health Care".
1999- to date	Member of the expert evaluators panel for Improving Human Research Potential and the Socio-Economic Knowledge Base Programme- <i>Marie Curie Individual Fellowships, Marie Curie Training Sites, Development Host Fellowships and Research Training Networks</i>
2004- to date	National representative of the Management Committee of COST Medicine, Action B22 " Drug development for parasitic diseases".
2005- to date	National representative of the Management Committee of COST Chemistry, Action D34" Molecular Targeting and Drug Design in Neurological and Bacterial Diseases".
1993-2001	Member of the Organizing Committee of 8 Greek and 3 International Symposia
2001	Organizer of the COST D13 mid-term evaluation symposium

REVIEWER FOR SCIENTIFIC JOURNALS

Journal of Organic Chemistry
Organic Letters
Journal of Medicinal Chemistry

FUNDING

National

- National Drug Organisation (1991-94) "Design and Synthesis of alkyllysophospholipids"
- KESY (1993-95) "Synthesis and biological activity of new tamoxifen analogs"
- YPER (1995-98) " New anxiolytic and anticonvulsant neurosteroids"
Coordinator: Dr T. Calogeropoulou
- PENED 2000 GSRT (2000-01) "Developent of new liposomal immunoassays"
- Bilateral Collaboration of Greece-Czech Republic "Synthesis and biological evaluation of new melatonin analogues"
- Bilateral Collaboration of Greece-Italy "Comparative study of benthic organisms from Greece and Italy for the determination and exploitation of their chemical constituents"
Coordinator: Dr. T. Calogeropoulou
- Excellence in the Research Institutes supervised by the Greek General Secretariat for Research and Technology EPAN 3.3.1. (2002-2005). "Novel strategies against neurodegeneration." Carried out jointly with the Organic and Organometallic Chemistry and Computational Chemistry groups.
- Bilateral Collaboration of Greece–Hungary (2002 – 2005) "Neuroactive steroids and ionotropic neurotransmitter receptors."
Coordinator: Dr. T. Calogeropoulou

- GSRT programme Location and use of research results by the creation of new enterprises (Spin-off, 2003-05) "New ether phospholipids as ultrasound contrast agents"
Scientists in charge: Dr. T. Calogeropoulou, Dr. M. Koufaki
- PENED 2001 GSRT (2002-2006). Investigation of the mechanisms of action of neuroprotective neurosteroids. Development of new compounds with high neuroprotective and low estrogenic or androgenic activity.
Scientist in charge: Dr. T. Calogeropoulou
- Operational Programme for Competitiveness, GSRT YB/39(2004-2007). Therapeutic Interventions Against Protozoan Infections.
Coordinator: Dr. T. Calogeropoulou

International

- Univ. Connecticut PSA No 2328 (1998-1999) "Anticancer ether lipids"
- Univ. Connecticut PSA No 3324 (2001) "Novel Antioxidants"
- Univ. Connecticut PSA No 3680 (2002) "Bioactive ether phospholipids"
- Univ. Connecticut PSA No 4505 (2004-2005) " Novel Antioxidants and Bioactive ether phospholipids"
- Marie Curie Transfer of Knowledge Programme - MTKD-CT-2004-014399.(2005-2009)
"Solid-phase phospholipid and dendrimer synthesis", Carried out jointly with the Organic and Organometallic Chemistry groups.
Coordinator: Dr. T. Calogeropoulou

Industrial

- **ELPEN S.A.** (1999-2001) "Molecular probes for adrenergic receptors"

PUBLICATIONS

Gerald B. Hammond, **Theodora Calogeropoulou**, David F. Wiemer. The 1,3 migration of phosphorus from oxygen to carbon: A new synthesis of β -keto phosphonates from enol phosphates.
Tet. Lett. **1986**, 27, 4265.

Theodora Calogeropoulou, Gerald B. Hammond, David F. Wiemer.
Synthesis of β -keto phosphonates from vinyl phosphates via a 1,3-phosphorus migration.
J. Org. Chem. **1987**, 52, 4185.

Theodora Calogeropoulou, David F. Wiemer.
Cycloaddition reactions of phosphate dienes.
J. Org. Chem. **1988**, 53, 2295.

Darryl C. Rideout, **Theodora Calogeropoulou**, James S. Jaworski, Raymond Dagnino Jr., and Michael R. McCarthy.
Phosphonium salts exhibiting selective anticarcinoma activity *in vitro*.
Anti-Cancer Drug Design **1989**, 4, 265-280.

Darryl C. Rideout, **Theodora Calogeropoulou**, James S. Jaworski, Michael McCarthy.
Synergism through direct covalent bonding between agents: A strategy for rational design of chemotherapeutic combinations.

Biopolymers **1990**, 29, 247-262.

Katherine B. Gloer, **Theodora Calogeropoulou**, John A. Jackson, and David F. Wiemer. Regiochemistry of the rearrangement of cyclohexenyl and cyclohexadienyl phosphates to , - keto phosphonates.

J. Org. Chem **1990**, 55, 2842-2846.

Theodora Calogeropoulou, Darryl C. Rideout.

Synergism and antagonism through direct covalent bond formation between agents.

Chapter 14 in Chemotherapeutic Synergism and Antagonism. (Ed. T.-C. Chou and Darryl C. Rideout, Academic Press 1990).

Rotenberg, S., Weinstein, I.B., Rideout, D., **Calogeropoulou, T.**, McCarthy, M., Jaworski, J., McCracken, T., Wadwa, K., Oseroff, A.

Antineoplastic Effects and Protein Kinase C Inhibition Using Phosphonium Salts and Self-Assembling Cytotoxins.

Proc. Amer. Assoc. Canc. Res., 31, 1990.

Daniel M. Quinn, Larry D. Sutton, Jay S. Staout, **Theodora Calogeropoulou**, and David F. Wiemer.

Phospholipase A₁ Activity and Catalytic Mechanism of Pancreatic Cholesterol Esterase.

Phosphorus, Sulfur, and Silicon **1990**, 51/52, 43-46.

Susan A. Rotenberg, **Theodora Calogeropoulou**, James S. Jaworski, I. Bernard Weinstein, and Darryl Rideout.

A self-assembling protein kinase C inhibitor.

Proc. Natl. Acad. Sci. USA **1991**, 88, 2490.

Darryl Rideout, Raymond Schinazi, C. David Pauza, Kathleen Lovelace, Lin-Chang Chiang, **Theodora Calogeropoulou**, Michael McCarthy, and John Elder.

Derivatives of 4-Amino-3,6-Disulfonato-1,8-Napthalimide Inhibit Reverse Transcriptase and Suppress Human and Feline Immunodeficiency Virus Expression in Cultured Cells.

J. Cellular Biochem. **1993**, 51, 446.

Jasmin Patel, Darryl Rideout, Michael R. McCarthy, **Theodora Calogeropoulou**, Kalyan S. Wadwa and Allan R. Oseroff.

Antineoplastic Activity, Synergism, and Antagonism of Triarylalkylphosphonium Salts and their Combinations.

Anticancer Research **1994**, 14, 21.

Mavromoustakos T., Theodoropoulou E., Koufaki M., Yang D.P. Lin S., Zervou M.

Calogeropoulou T., Makriyannis A. "Conformational analysis of 1-thiohexadecyl-2-O-methyl-*rac*-glycero-3-phosphocholine." Epitheor Klin. Farmakol. Farmakokinet. Int. Ed. **1993**, 11, 178 .

Mavromoustakos T., Theodoropoulou E., Polychroniou V., Dimitriou A., Koufaki M.,

Calogeropoulou T. "Study of drug membrane interactions using a combination of differential scanning calorimetry and ³¹P-NMR spectroscopy." Epitheor Klin. Farmakol. Farmakokinet. Int. Ed. **1995**, 13, 81.

Calogeropoulou T., Koufaki M., Tsotinis A., Balzarini J., De Clercq E., Makriyannis A.

"Synthesis and anti-HIV evaluation of alkyl and alkoxyethyl phosphodiester AZT derivatives" Antiv. Chem. Chemother. **1995**, 6, 43.

Koufaki M., Polychroniou V., **Calogeropoulou T.**, Tsotinis A., Drees M., Fiebig H.H., LeClerc S., Hendriks H.R., Makriyannis. "Alkyl and Alkoxyethyl Antineoplastic

Phospholipids" J. Med. Chem. **1996**, 39, 2609.

Tsotinis A., **Calogeropoulou T.**, Koufaki M., Souli Ch., Balzarini J., De Clercq E., Makriyannis A. "Synthesis and Antiretroviral Evaluation of New Alkoxy and Aryloxy Phosphate Derivatives of AZT" J. Med. Chem. **1996**, 39, 3418.

M. Koufaki, **T. Calogeropoulou**, T. Mavromoustakos, E. Theodoropoulou, A. Tsotinis. A. Makriyannis "Synthesis of ²H-Labelled Alkoxyethyl Phosphodiester AZT Derivatives for Solid-State ²H-NMR Studies" J. Het. Chem. **1996**, 33, 619.

A. Varvaresou, A. Tsotinis, Th. Siatra-Papastakoudi, **T. Calogeropoulou** "New Pyrazole-annulated azathioxanthenes as potential intercalators: synthesis and structure elucidation." J. Het. Chem. **1996**, 33, 831.

Tsotinis, A. Varvaresou, **T. Calogeropoulou**, Th. Siatra-Papastakoudi and A. Tyligada "Synthesis and antimicrobial evaluation of indole containing derivatives of 1,3,4-thiadiazole, 1,2,4-triazole and their open-chain counterparts." Arzneim.-Forsch./Drug Res., **1997**, 47 (I), 307

R. Faust, P.J. Garratt, R. Jones, L.-K. Yeh, A. Tsotinis, M. Panoussopoulou, **T. Calogeropoulou**, M.-T. Teh and D. Sugden "Mapping the melatonin receptor. 6. Melatonin agonists and antagonists derived from 6H-isindolo[2,1-a]indoles, 5,6-dihydroindolo[2,1-a]isoquinolines and 6,7-dihydro-5H-benzo[c]azepino[1,2-a]indoles." J. Med. Chem. **2000**, 43(6), 1050-1061.

Varvaresou A, Kriton I, Filippatos E., Souli C., **Calogeropoulou T.**, Ioannidou I., Kourounakis A., Pannecouque C., Witvrouw M., Padalko E., Neyts J., De Clercq E., Tsotinis A. "Synthesis, Antiretroviral and Antioxidant Evaluation of a Series of New Benzo[b]furan Derivatives." Arzneim.-Forsch./Drug Res. **2001**, 51(I), 156.

Carbonenelle D., Jacquot C., Lanco X., Le Dez G., Tomasoni C., Briand G., Tsotinis A., **Calogeropoulou T.**, Roussakis C. "Up-regulation of a novel mRNA (NY-CO-1) involved in the (1-(2-alkoxy-5-carboxyl)- α - β -unsaturated ketone (VT1)-induced proliferation arrest of a Non-Small Cell lung carcinoma cell line (NSCLC-N6)" International J. Cancer **2001**, 92 (3), 388-397.

Mavromoustakos T., **Calogeropoulou T.**, Koufaki M., Kolocouris A., Demetzos K., Meng Z., Makriyannis A., Balzarini J. and De Clercq E. "Ether phospholipid-AZT conjugates possessing anti-HIV and anti-tumor cell activity. Synthesis, conformational analysis and study of their thermal effects on membrane bilayers" J. Med. Chem. **2001**, 44(11), 1702-1709.

Koufaki M., **Calogeropoulou T.**, Detsi A., Roditis A., Kourounakis A., Papazafiri P., Tsiakitzis K., Gaitanaki C., Beis I., Kourounakis P. "Novel potent inhibitors of lipid peroxidation with protective effects against reperfusion arrhythmias." J. Med. Chem. **2001**, 44, 4300-4303.

Detsi A., Koufaki M., **Calogeropoulou T.** "Synthesis of (*Z*)-4-hydroxytamoxifen and (*Z*)-2-(4-[1-(p-hydroxyphenyl)-2-phenyl]-1-butenyl)phenoxyacetic acid." J. Org. Chem. **2002**, 67, 4608-4611.

Avlonitis N., Lekka E., Detsi A., Koufaki M., **Calogeropoulou T.**, Skoulica E., Siapi E., Kyrikou I., Mavromoustakos T., Tsotinis A., Golic Grdadolnik S., Makriyannis A.
"Antileishmanial Ring-Substituted Ether Phospholipids"
J. Med. Chem. **2003**, 46, 755-767.

Koufaki, M.; **Calogeropoulou, T.**; Rekka, E.; Chryselis, M.; Papazafiri, P.; Gaitanaki, C.; Makriyannis, A.
"Bifunctional Agents for Reperfusion Arrhythmias. Novel Hybrid Vitamin E/Class I Antiarrhythmics."
Bioorg. Med. Chem. **2003**, 11, 5209-5219.

Koufaki M., Detsi A., Theodorou E., Kiziridi C., **Calogeropoulou T.**, Vassilopoulos A., Kourounakis A., Rekka E., Kourounakis P., Gaitanaki C., Papazafiri P.
"Synthesis of Chroman Analogues of Lipoic Acid and Evaluation of their Activity against Reperfusion Arrhythmias."
Bioorg. Med. Chem. **2004**, 12, 4835.

Panagiota Papazafiri, Nicolaos Avlonitis, Panagiotis Angelou, **Theodora Calogeropoulou**, Maria Koufaki, Efi Scoulica, Irene Fragiadaki "Structure-activity relationships of antineoplastic ring-substituted ether phospholipid derivatives"
Cancer Chemother. Pharmacol. **2005**, (accepted for publication DOI: 10.1007/s00280-004-0935-6)

Charikleia Souli, Nicolaos Avlonitis, **Theodora Calogeropoulou**, Andrew Tsotinis, Gábor Maksay, Tímea Bíró, Aggeliki Politi, Thomas Mavromoustakos, Alexandros Makriyannis, Heribert Reis, Manthos Papadopoulos.
"Novel 17 β -substituted conformationally constrained neurosteroids that modulate GABA_A receptors"
J. Med. Chem. **2005**, (accepted for publication).

PATENTS

GR-1003103
"1-(2-ALKOXY-5-CARBOXYPHENYL)- α,β -UNSATURATED KETONES. THEIR PREPARATION AND APPLICATION IN THERAPEUTICS."
Inventors: A. Tsotinis, **T. Calogeropoulou**, C. Roussakis, V. Roussis

WO 9954278
"1-(2-Alkoxy-5-carboxyphenyl)- α,β -unsaturated ketones. Their preparation and application in therapeutics. "
Inventors: A. Tsotinis, **T. Calogeropoulou**, C. Roussakis, V. Roussis
Applicant: CORNEAL Industries

GR 1003861
"GABA_A MODULATING NEUROSTEROIDS"
Inventors: **Theodora Calogeropoulou**, Charikleia Souli, Andrew Tsotinis, Alexandros Makriyannis

WO 02053577
GABA_A MODULATING NEUROSTEROIDS
Applicant: ELPEN S.A.
Inventors: **Theodora Calogeropoulou**, Charikleia Souli, Andrew Tsotinis, Alexandros Makriyannis

GR 1003725
"Bifunctional agents possessing antioxidant and antiarrhythmic activity"

Applicants and Inventors: Maria Koufaki, **Theodora Calogeropoulou**, Alexandros Makriyannis

WO 0204438, US2004259763, CA2415523, EP1301504

"Bifunctional agents possessing antioxidant and antiarrhythmic activity"

Applicant: UNI-PHARMA S.A.

Inventors: Maria Koufaki, **Theodora Calogeropoulou**, Alexandros Makriyannis

WO 2004041167, US2003/34225

"Antiprotozoal ring-substituted phospholipids"

Inventors: **Theodora Calogeropoulou**, Maria Koufaki, Nikolaos Avlonitis, Alexandros Makriyannis

GR20050100100 (2/3/05)

«Ultrasound contrast agents containing anticancer ether phospholipids»

Inventors: **Theodora Calogeropoulou**, Maria Koufaki

REVIEWS AND CHAPTERS IN BOOKS

Calogeropoulou T., Detsi A., Lekkas E, Koufaki M. " Strategies in the design of prodrugs of anti-HIV agents" in " Therapeutic strategies against HIV infection"

Current Topics in Medicinal Chemistry, **2003**, 3 (13), 1467.

Theodora Calogeropoulou, Darryl C. Rideout.

Synergism and antagonism through direct covalent bond formation between agents.

Chapter 14 in Chemotherapeutic Synergism and Antagonism. (Ed. T.-C. Chou and Darryl C. Rideout, Academic Press **1990**).

PRESENTATIONS

192nd ACS National Meeting. (Anaheim, California)

Gerald B. Hammond, **Theodora Calogeropoulou**, David F. Wiemer.

A new synthesis of β -keto phosphonates from enol phosphates: A 1,3-migration of phosphorus from oxygen to carbon.

The 2nd annual Iowa ACS meeting. (Grinnell, Iowa, 1987).

Theodora Calogeropoulou, John A. Jackson, Gerald B. Hammond, David F. Wiemer.

New syntheses of β -keto phosphonates and phosphonolactones.

The 2nd annual Iowa ACS meeting. (Grinnell, Iowa, 1987).

Larry D. Sutton, **Theodora Calogeropoulou**, Monica Wu, David F. Wiemer, Daniel M. Quinn.

Enol phosphates as irreversible enzyme inhibitors.

194th ACS National Meeting. (New Orleans, Louisiana)

Theodora Calogeropoulou, Katherine B. Gloer, Gerald B. Hammond, David F. Wiemer.

Synthesis of phosphonate derivatives of cyclic ketones.

194th ACS National Meeting. (New Orleans, Louisiana)

Larry D. Sutton, Daniel M. Quinn, **Theodora Calogeropoulou**, David F. Wiemer.

Enol phosphates as active-site-directed irreversible enzyme inhibitors.

196th ACS National Meeting. (Los Angeles, California)

Darryl C. Rideout, **Theodora Calogeropoulou**, James S. Jaworski, and Raymond Dagnino Jr.

Carcinoma-selective synergism using triarylphosphonium salts.

International Symposium on Effects of Therapy on Biology and Kinetics of Surviving Tumor. (Vancouver, British Columbia, Feb. 1989).

Rideout D., **Calogeropoulou T.**, Cozzolino J.P., Jaworski J.S., Parker D.A., Rotman B. Selective inhibition of carcinoma cells in monolayer and microorgan culture using delocalized lipophilic cations.

80th Annual Meeting of the American Association for Cancer Research. (San Francisco, CA, May 1989).

Rideout D.C., **Calogeropoulou T.**, Jaworski J.S., Dagnino R. Jr., McCarthy M.R. Synergistic and carcinoma-selective antiproliferative effects of organic phosphonium salts in vitro.

42nd Annual Symposium on Fundamental Cancer Research. (Houston, Texas, October 1989).

Rideout D., **Calogeropoulou T.**, Rotenberg S. Synergistic growth-inhibitory and protein kinase C-inhibitory effects using a self assembling bisphosphonium salt.

7⁰ Panhellenic Pharmaceutical Symposium, Vouliagmeni, 1994.

Calogeropoulou T., Koufaki M., Tsotinis A., Balzarini J., De Clercq E., Makriyannis A. "Synthesis and anti-HIV evaluation of alkyl and alkoxyethyl phosphodiester AZT derivatives"

4th Conference in advanced Medicinal Chemistry, Thessaloniki 19-20 May, 1995

M. Koufaki, V. Polychroniou, **T. Calogeropoulou**, A. Tsotinis, H.R. Hendriks and A. Makriyannis. "Synthesis of Alkyl- and Alkoxyethyl Phospholipids and Evaluation of their Antineoplastic Activity",

7⁰ Panhellenic Symposium of Pharmaceutical Chemistry, Athens 17-18 November 1995.

Tsotinis A., **Calogeropoulou T.**, Koufaki M., Souli Ch., Balzarini J., De Clercq E., Makriyannis A. "Synthesis and Antiretroviral Evaluation of New Alkoxy and Aryloxy Phosphate Derivatives of AZT"

7⁰ Panhellenic Symposium of Pharmaceutical Chemistry, Athens 17-18 November 1995.

Tsotinis A., Varvaresou A., **Calogeropoulou T.**, Papastaikoudi T., Tiligada A., "New Indole derivatives with antimicrobial and antifungal activity"

16⁰ Panhellenic Chemistry Meeting, Athens 5-8 December 1995.

M. Koufaki, **T. Calogeropoulou**, A. Tsotinis "Synthesis of novel antiarrhythmic agents with antioxidant activity"

16⁰ Panhellenic Chemistry Meeting, Athens 5-8 December 1995.

Souli C., Tsotinis A., **Calogeropoulou T.**, Makriyannis A., "Synthesis of novel neurosteroids with anxiolytic and spasmolytic activity"

XIVth International Symposium on Medicinal Chemistry, Maastricht (The Netherlands) 8-12 September 1996.

Koufaki M., Polychroniou V., **Calogeropoulou T.**, Tsotinis A., Drees, M., Fiebig H.H., LeClerc S., Hendriks H.R., Mavromoustakos T., Theodoropoulou E., Makriyannis A. "Alkyl and alkoxyethyl antineoplastic phospholipids. Synthesis, biological activity and their interactions with membranes."

XIVth International Symposium on Medicinal Chemistry, Maastricht (The Netherlands) 8-12 September 1996.

Calogeropoulou T., Koufaki M., Polychroniou V., Tsotinis A., Sekeris C., Makriyannis A. "Synthesis and biological evaluation of phosphotriester analogs of *trans*-4-hydroxytamoxifen."

XIVth International Symposium on Medicinal Chemistry, Maastricht (The Netherlands) 8-12 September 1996.

Koufaki M., **Calogeropoulou T.**, Tsotinis A., Balzarini J., De Clerq E., Makriyannis A. "Alkoxy and aryloxy phosphodiester derivatives of AZT."

XIVth International Symposium on Medicinal Chemistry, Maastricht (The Netherlands) 8-12 September 1996.

Calogeropoulou T., Tsotinis A., Souli C., Hill W.A., Joseph T., Makriyannis A. "Novel neurosteroid analogs and their interactions with GABA_A receptors"

8^o Panhellenic Symposium of Pharmaceutical Chemistry, Athens 5-7 October 1996.

Synthesis of new pyrazolo-azaxanthenes with potential anticancer activity.

Varvaresou A., Tsotinis A., Papastaikoudi T., **Calogeropoulou T.**

17^o Panhellenic Chemistry Meeting, Patras 1-5 December 1996.

Novel tetracyclic melatonin analogs: synthesis and binding studies with the Mel₁ receptor.

Panousopoulou, Tsotinis A., **Calogeropoulou T.**, P. J. Garratt, D. Sudgen.

5th Conference in advanced Medicinal Chemistry, Thessaloniki 23-24 May, 1997

"Potential antiarrhythmic agents possessing antioxidant activity"

Koufaki M., **Calogeropoulou T.**, Rekka E., Kourounakis P., Makriyannis A.

5th Conference in advanced Medicinal Chemistry, Thessaloniki 23-24 May, 1997

"New GABA_A Interacting Neurosteroids"

Souli C., **Calogeropoulou T.**, Tsotinis A., Makriyannis A., Joseph T.

8th Cyprus Conference on new methods in drug research (April 99, Limassol, Cyprus)

"Bioactive Ether Lipids. Synthesis and biological activity"

Koufaki M., **Calogeropoulou T.**, Detsi A., Polychroniou V., Tsotinis A., Hendriks H.R., Dherbomez M., El kihel L., Letourneux Y., Makriyannis, A.

COST kick-off meeting, New Molecules Towards Human Health Care, (March 1999, The Netherlands)

"Synthesis and agonistic activity of GABA_A interacting neurosteroids"

Calogeropoulou T., Tsotinis A., Souli C., Makriyannis A., Joseph T.

COST kick-off meeting, New Molecules Towards Human Health Care, (March 1999, The Netherlands)

"**Novel antioxidants with potential antiarrhythmic activity**"

Koufaki M., **Calogeropoulou T.**, Rekka E., Kourounakis P., Makriyannis A.

Lipases and lipids: Structure, function and biotechnological applications. Santorini, May, 1999

"Synthesis and biological activity of novel ether lipids"

Koufaki M., **Calogeropoulou T.**, Detsi A., Polychroniou V., Tsotinis A., Hendriks H.R., Dherbomez M., El kihel L., Letourneux Y., Makriyannis, A.

6th Conference in advanced Medicinal Chemistry, Thessaloniki 28-29 May, 1999

"Novel antioxidants possessing anti-inflammatory activity"

Koufaki M., **Calogeropoulou T.**, Kourounakis P., Tsiakitzis K., Kourounakis A., Jacobs R.

6th Conference in advanced Medicinal Chemistry, Thessaloniki 28-29 May, 1999

"Synthesis and biological evaluation of GABA_A agonistic neurosteroids"

Calogeropoulou T., Tsotinis A., Souli C., Makriyannis A., Joseph T.

International conference on oxidative stress in skin biology and medicine, Kapandriti, Attiki, 13-16 September, 1999

" Bifunctional agents possessing antioxidant and anti-inflammatory activity"

Koufaki M., **Calogeropoulou T.**, Detsi A., Kourounakis P., Tsiakitzis K., Kourounakis A., Jacobs R.

XVIth International Symposium on Medicinal Chemistry, Bologna, Italy, September 2000

Koufaki M., **Calogeropoulou T.**, Detsi A., Roditis A., Kourounakis A., Tsiakitzis, K.,

Kourounakis, P. "Novel highly potent antioxidants"

International Symposium on Medicinal Chemistry, Bologna, Italy, September 2000

Calogeropoulou T., Koufaki M., Detsi A., Fichtner I., Eisenbrand G., Syriani D., Alexis M.N., Hendriks H.R., Makriyannis, A. "Phosphorylated analogs of 4-hydroxytamoxifen"

12th European Symposium on Organic Chemistry. Groningen, The Netherlands, July 2001

Detsi A., Koufaki M., **Calogeropoulou T.**

"A convenient stereoselective route to (Z)-4-hydroxytamoxifen"

9th Cyprus Conference on New Methods in Drug Research. Limassol, Cyprus, May 2001

Mavromoustakos T., **Calogeropoulou T.**, Koufaki M., Kolokouris A., Daliani I., Demetzos C., Meng Z., Makriyannis A., Balzarini J., De Clerq E.

"Ether phospholipid-AZT conjugates possessing anti-HIV and anti-tumor cell activity.

Synthesis, conformational analysis and study of their thermal effects on membrane bilayers"

7th Conference in Advanced Medicinal Chemistry, Thessaloniki, May 2001.

Avlonitis N., Lekka E., Detsi A., Koufaki M., **Calogeropoulou T.**

"Bioactive ether phospholipids".

7th Conference in advanced Medicinal Chemistry. Thessaloniki, May 2001

Roditis A., Detsi A., **Calogeropoulou T.**, Koufaki M., Kourounakis A., Papazafiri P., Tsiakitzis K., Gaitanaki C., Beis I., Kourounakis P.,

"Novel potent inhibitors of lipid peroxidation with protective effects against reperfusion arrhythmias"

12th European Symposium on Organic Chemistry. Groningen, The Netherlands, July 2001

Detsi A., Koufaki M., **Calogeropoulou T.**

"A convenient stereoselective route to (Z)-4-hydroxytamoxifen".

10^o Panhellenic Symposium of Pharmaceutical Chemistry, Athens, January 2002

Deatsi A., Roditis A., **Calogeropoulou T.**, Koufaki M., Papazafiri P., Kourounaki A., Tsiakitzis K., Kourounakis P. "Design and synthesis of new compounds against reperfusion arrhythmias"

10^o Panhellenic Symposium of Pharmaceutical Chemistry, Athens, January 2002

Avlonitis N., Lekka E., Koufaki M., **Calogeropoulou T.**, Skoulica E., Papazafiri P., Siapi E., Kyrikou I., Mavromoustakos T. and Tsotinis A.

"Design and synthesis of antileishmanial and anticancer ether phospholipids."

COST CHEMISTRY D13 Workshop, Firenze, Italy, April 2002.

Avlonitis N., Lekka E., Detsi A., Koufaki M., **Calogeropoulou T.**, Skoulica E., Siapi E., Kyrikou I., Mavromoustakos T. and Tsotinis A.

"Design and synthesis of antileishmanial ether phospholipids."

VIIth International Symposium on Medicinal Chemistry, Barcelona, Spain, September 2002

Koufaki M., **Calogeropoulou T.**, Detsi A., Roditis A., Kourounakis A., Papazafiri P., Tsiakitzis K., Gaitanaki C., Beis I., Kourounakis P.

"Design and synthesis of novel antioxidants with protective effects against reperfusion arrhythmias"

XVIIth International Symposium on Medicinal Chemistry, Barcelona, Spain, September 2002

Calogeropoulou T., Koufaki M., Avlonitis N., Lekka E., Detsi A., Skoulica E., Papazafiri P. Siapi E., Kyrikou I., Mavromoustakos T., Tsotinis A., Makriyannis A.

"Design and synthesis of novel ether phospholipids embodying cyclic moieties. Comparative study of their anticancer and antileishmanial activity"

COST CHEMISTRY D13 WORKSHOP, Lisbon, Portugal October 9-11 2003

Nikos Avlonitis, Panagiotis Agelou, Maria Koufaki, **Theodora Calogeropoulou**, Efi Scoulica
"Antileishmanial Ring-Substituted Ether Phospholipids"

10^o Panhellenic Symposium of Pharmaceutical Chemistry, Patras, 23-24 January 2004

Eftyhia Koini, Eleni Lekkas, Athanasios Vassilopoulos, Panagiota Papazafiri, **Theodora Calogeropoulou**.

"Design and synthesis of new 1,4-benzoxazine and 4-aminobenzopyran analogues active against reperfusion arrhythmias"

10^o Panhellenic Symposium of Pharmaceutical Chemistry, Patras, 23-24 January 2004

Nicolaos Avlonitis, Charikleia Souli, **Theodora Calogeropoulou** Gabor Maksay, Timea Biro, Ioannis Charalampopoulos, Achilleas Gravanis,
"Neuroactive Steroids: GABA_A Modulation and Neuroprotective Activity."

10^o Panhellenic Symposium of Pharmaceutical Chemistry, Patras, 23-24 January 2004

Panagiotis Agelou, Nikos Avlonitis, Maria Koufaki, Irene Fragiadaki, Efi Scoulica, **Theodora Calogeropoulou**

"Design and synthesis of cycloalkyliden-substituted ether phospholipids with antiparasitic activity"

10^o Panhellenic Symposium of Pharmaceutical Chemistry, Patras, 23-24 January 2004

Agni Kapou, Nicolaos P. Benetis, Nicolaos Avlonitis, Eleni Lekkas, **Theodora Calogeropoulou**, Maria Koufaki, Sotiris Nicoliaropoulos, Thomas Mavromoustakos.

«Quantitative Structure Activity Relationships of cycloalkyl-substituted ether phospholipids with antileishmanial activity"

3^o Panhellenic Symposium of Pharmacology, Thessaloniki, February 14-16 2004

I. Haralambopoulos, C. Tsatsanis, I. Alexaki, N. Avlonitis, **T. Calogeropoulou**, E. Lionakis, H. Kastanas, A. Margioris, A. Gravanis.

"Antiapoptotic activities of natural and synthetic steroids through multiple cell survival pathways"

International Symposium on Advances in Synthetic, Combinatorial and Medical Chemistry " Moscow, Russia May 5-8, 2004 (P38)

Theodora Calogeropoulou, Eftihia Koini, Maria Koufaki, Athanassios Vassilopoulos, Panagiota Papazafiri

"Design and Synthesis of Novel 1,4-Benzoxazine and 4-Aminobenzopyran Analogues Active against Reperfusion Arrhythmias"

"International Symposium on Advances in Synthetic, Combinatorial and Medical Chemistry " Moscow, Russia May 5-8, 2004 (P37)

Theodora Calogeropoulou, Nicolaos Avlonitis, Ioannis Charalampopoulos, Achilleas Gravanis, Gabor Maksay, Timea Biro

"Neuroactive Steroids: GABA_A Modulation and Neuroprotective Activity.

"International Symposium on Advances in Synthetic, Combinatorial and Medical Chemistry " Moscow, Russia May 5-8, 2004 (P108)

"Chroman Analogues Protecting Cells from Ischemia/Reperfusion or DNA Damage"
Maria Koufaki, Elissavet Theodorou, Christina Kiziridi, **Theodora Calogeropoulou**, Anastasia Detsi, Dimitrios Galaris, Lambros Nousis, Panagiota Papazafiri, Athanasios Vassilopoulos.

10th Cyprus Conference on New Methods in Drug Research, May 16-21, 2004, Limassol, Cyprus (P39)

P. Angelou, N. Avlonitis, **T. Calogeropoulou**, M. Koufaki, E. Scoulica, I. Fragiadaki, Makriyannis A.

"Structure-activity relationships of antileishmanial ring-substituted ether phospholipid derivatives"

COST D13 Final Meeting, September 2004, Louvain-La-Neuve, Belgium

T. Calogeropoulou, N. Avlonitis, P. Angelou¹, A. Detsi, M. Koufaki, E. Scoulica, I. Fragiadaki

"Design and synthesis of antileishmanial ring-substituted ether phospholipid derivatives"

1st Hellenic Symposium of Organic Synthesis from Chemistry to Biology, to Medicine and Material Science, 4-6 November 2004, Athens (P19)

Eftyhia Koini, **Theodora Calogeropoulou**

"New halogenation method of oxygenated aromatic compounds"

1st Hellenic Symposium of Organic Synthesis from Chemistry to Biology, to Medicine and Material Science, 4-6 November 2004, Athens (P51)

Nicolaos Avlonitis, **Theodora Calogeropoulou**, Efrosini Katsanou, Michael Alexis, Ioannis Haralambopoulos, Achilleas Gravanis.

"Synthetic neurosteroids with neuroprotective activity"

1st Hellenic Symposium of Organic Synthesis from Chemistry to Biology, to Medicine and Material Science, 4-6 November 2004, Athens (P73).

Agni Kapou, Nicolaos Avlonitis, Anastasia Detsi, Maria Koufaki, Theodora Calogeropoulou, Nicolaos P. Benetis, Thomas Mavromoustakos.

"3D-QSAR of new synthetic conformationally labile ether phospholipids with the use of COMFA and COMSIA"

COST B22 Annual Congress, 22-24 November 2004, Institute of Tropical Medicine, Antwerpen, Belgium.

Theodora Calogeropoulou, Panos Angelou, Efi Scoulica, Irene Fragiadaki "Antileishmanial Ring-Substituted Ether Phospholipid Derivatives: Synthesis and Biological Evaluation"

9th IBN Sina International Conference on Pure and Applied Heterocyclic Chemistry.[ISICHC] 10 - 15 December 2004, Sharm El Sheikh, Egypt.

Calogeropoulou T., Angelou P., Avlonitis N., Detsi A., Scoulica E., Fragiadaki I.

"Design and Synthesis of Novel Bioactive Ether Phospholipids"

9th IBN Sina International Conference on Pure and Applied Heterocyclic Chemistry.[ISICHC] 10 - 15 December 2004, Sharm El Sheikh, Egypt.

Detsi A., Stamatiou G., Papazafiri P. and **Calogeropoulou T.**

"Design and Synthesis of Novel Indole/Imidazole Hybrids and their Interaction with α_2 -Adrenoreceptors"