

George E. Magoulas

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Education

2006: PhD in Medicinal Chemistry – University of Patras, Department of Chemistry and Department of Pharmacy. Supervisor: Prof. D. Papaioannou.

Thesis: "*Synthesis of novel retinoids suitable for structure – biological activity relationship (SAR) studies*"

2002: MSc in Medicinal Chemistry – University of Patras, Department of Chemistry and Department of Pharmacy, Supervisor: Prof. D. Papaioannou.

Research project: "*Synthesis of novel retinoids of medicinal interest*"

2000: BSc (Hons) in Chemistry – University of Patras, Department of Chemistry (Grade 7.5 out of 10).

Appointments

8/2022 – Today: Associate Researcher at the Institute of Chemical Biology of the National Hellenic Research Foundation, Athens (ICB-NHRF), Greece

3/2016 – 7/2022: Postdoctoral researcher, Institute of Chemical Biology, National Hellenic Research Foundation (ICB-NHRF), Greece

1/2016 – 2/2016: R&D Chemist, RAPHARM S.A., Athens, Greece.

9/2008 – 12/2015: Postdoctoral researcher, Department of Chemistry, University of Patras, Patras, Greece

9/2007 – 8/2008: Research Chemist, ELDRUG R&D, Patras Scientific Park, Patras, Greece.

6/2005 – 12/2005: Research Chemist, BIOMEDICA Life Sciences S.A., Athens, Greece.

Fellowships/Awards

2002 – 2005: Scholarship for Ph.D studies, HERAKLEITOS (ΕΠΕΑΕΚ II) by the Ministry of Education and Religious Affairs.

1997 – 1998: Scholarship by the State Scholarships Foundation for exceptional scores at the exams during academic year 1997-1998.

Current Research Interests

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

- Design and synthesis of new heterocyclic compounds with activity (anti-Leishmanial activity, against *T. Brucei* and *T. Cruzi*).
- Design and synthesis of novel neuroprotective and neuroregenerative small molecule neurotrophin mimetics against Alzheimer's.
- Design and synthesis of ether phospholipids with antiprotozoal activity (anti-Leishmanial activity, against *T. Brucei* and *T. Cruzi*).
- Design and synthesis of BRAF^{V600E} inhibitors for the development of agents against colorectal cancer.

Teaching Experience

2013 – 2015: Teaching the course "Research Methodology" in the context of "Medicinal Chemistry and Chemical Biology" MSc program, Department of Chemistry and Department of Medicine, University of Patras.

2008 – 2013: Lecturer under contract. Teaching and training of "Experimental Organic Chemistry I" (2nd year undergraduate students) and "Experimental Organic Chemistry II" (3rd year undergraduate students), Department of Chemistry, University of Patras.

2008 – 2022: Laboratory supervision of 6 Ph.D, 12 MSc, and 16 undergraduate student's research projects. Department of Chemistry, University of Patras and Institute of Chemical Biology, National Hellenic Research Foundation.

Participation in supervisory committees of Ph.D Theses

1. Daniele Narducci (June 2024)
Department of Pharmacy, National and Kapodistrian University of Athens
Thesis title: "Synthesis of DHEA derivatives substituted by four, five or six membered-17-spiro substituents" (Supervisor: Dr. T. Calogeropoulou).
2. Evanthia Chazapi (February 2025)
Department of Pharmacy, National and Kapodistrian University of Athens
Thesis title: "Synthesis of novel heterocyclic analogues with potential antiparasitic activity" (Supervisor: Dr. T. Calogeropoulou).

Participation in supervisory committees of M.Sc. Theses

1. Constantinos Galatis-Vaxovanos (October 2023)
Department of Medicine, University of Crete and Institute of Chemical Biology,
National Hellenic Research Foundation.
Thesis title: "Synthesis of bioactive compounds with potential anticancer activity".
(Supervisor: Dr. I. Kostas).

Supervisor of Internships

1. Danae-Maria Christopoulou (01/07-30/09/2024) Dept. of Chemistry, National and
Kapodistrian University of Athens.
2. Eleni Nikolopoulou (01/04-31/05/2024) Dept. of Biotechnology, Agricultural
University of Athens

Participation in National Funded Research Projects

1. "RESEARCH - CREATE - INNOVATE" (EPAnEK 2014-2020). "Preclinical
development of innovative neuroprotective and neuroregenerative synthetic
microneurotrophins for the therapy of Alzheimer's disease" (2018-2021).
2. KRIPIS 2 Project STHENOS-B: "Targeted therapeutic approaches against ageing
and degenerative diseases, cancer in particular - Hit compounds optimization"
(2017-2020).

Participation in EU Funded Research Projects

1. H2020-MSCA-ITN-2017, EuroNeurotrophin: 'A European training network for the
discovery of neurotrophins small molecule mimetics as potential therapeutic
agents for neurodegeneration and neuroinflammation' GA: № 765704

Current collaborators

- Research Director Dr. T. Calogeropoulou, ICB-NHRF
- Research Director Dr. M. Koufaki, ICB-NHRF
- Research Director, Dr. N. Chondrogianni, ICB-NHRF
- Research Director Dr. I. Kostas, ICB-NHRF
- Prof. N. Karamanos, Department of Chemistry, University of Patras
- Prof. M.L. Bolognesi, Department of Pharmacy and Biotechnology, University of
Bologna, Italy
- Prof. M.-P. Costi, Pharmacy Department, University of Modena and Reggio Emilia,
Italy
- Dr A. Cordeiro-da-Silva, Instituto de Biologia Molecular e Celular, Porto, Portugal
- Prof. L.A. Soares Romeiro, Department of Pharmacy, University of Brasilia, Brazil

Research networks

- **COST Action CA21111** "One Health drugs against parasitic vector-borne diseases in Europe and beyond (OneHealthdrugs)"

Reviewer for peer-reviewed journals

- Food Chemistry (IF: 8.800)
- Antioxidants (IF: 7.675)
- Cells (IF: 7.666)
- Biomedicine and Pharmacotherapy (IF: 7.419)
- Journal of Medicinal Chemistry (IF: 6.9)
- International Journal of Molecular Sciences (IF: 6.208)
- Marine drugs (IF: 6.085)
- Nanomaterials (IF: 5.719)
- Molecules (IF: 4.927)
- ACS Omega (IF: 4.300)
- Mini-reviews in Medicinal Chemistry (IF: 3.862)
- Applied Sciences (IF: 2.679)
- Letters in Organic Chemistry (IF: 0.797)

Foreign Languages

- Greek (Native speaker)
- English (Michigan Proficiency)
- French (Certificat De Langue Française)
- Spanish (Certificado Inicial- D.E.L.E)

Professional Affiliations

Member, Association of Greek Chemists

Member, Hellenic Society of Medicinal Chemistry

Founding Member, Hellenic Scientific Society for Health Literacy

Publications in Peer Reviewed Scientific Journals

36. Y. Batsi, G. Antonopoulou, C. Galatis-Vaxovanos, M. Goulielmaki, K. Koumaki, C. Papalouka, E. Poulou-Sidiropoulou, V. Kosmidou, M-S. Vidali, E. Kritsi, C. Potamitis, S. Douna, E-F. Gkotsi, **G.E. Magoulas**, A. Chatziioannou, V.L. Souliotis, V. Pletsas, O. Papadodima, V. Zoumpourlis, M. Zervou, P. Georgiadis, A. Pintzas, I.D. Kostas. 2-Cyclopropanecarboxamido-6-carboxamide substituted benzothiazoles: Synthesis,

in vitro and in vivo evaluation of their antiproliferative and anti-tumorigenic activity. *Bioorg. Med. Chem.* **2025**, under review.

35. L. Alonso, L.F. Nunes Lemes, **G.E. Magoulas**, B. de Lucena Costa, R.S. Gomes, M. Leandro Dorta, M.L. Bolognesi, L. A. Soares Romeiro, T. Calogeropoulou, A. Alonso. Miltefosine Analogues with Comparable Antileishmanial Activity and Significantly Reduced Macrophage Cytotoxicity. *Mem. Inst. Oswaldo Cruz.* **2025**, *120*, e240219. [10.1590/0074-02760240229](https://doi.org/10.1590/0074-02760240229)
34. I. Gkekas, S. Katsamakas, S. Mylonas, T. Fotopoulou, **G.E. Magoulas**, A.C. Tenchiu, M. Dimitriou, A. Axenopoulos, N. Rossopoulou, S. Kostova, E. E. Wanker, T. Katsila, D. Papahatjis, V.G. Gorgoulis, M. Koufaki, I. Karakasiliotis, T. Calogeropoulou, P. Daras, S. Petrakis. AI Promoted Virtual Screening, Structure-Based Hit Optimization, and Synthesis of Novel COVID-19 S-RBD Domain Inhibitors. *J. Chem. Inf. Model.* **2024**, *64*, 8562–8585. <https://doi.org/10.1021/acs.jcim.4c01110>
33. L.F. Nunes Lemes, **G.E. Magoulas**, A. Souza de Oliveira, E. Barrias, L. de Camargo Nascente, R. Granado, S. Teixeira de Macedo Silva, N. Assimomytis, W. de Souza, M.L. Bolognesi, L.A. Soares Romeiro, T. Calogeropoulou. Valorizing constituents of cashew nut shell liquid towards the sustainable development of new drugs against Chagas disease. *ACS Infect. Dis.* **2023**, *9*, 1334-1345. <https://doi.org/10.1021/acsinfecdis.3c00076>
32. M. Roussaki, **G.E. Magoulas**, T. Fotopoulou, N. Santarem, E. Barrias, I. Pöhner, S. Luelmo, P. Afroudakis, K. Georgikopoulou, P.T. Nevado, J. Eick, E. Bifeld, M.J. Corral, M.D. Jiménez-Antón, B. Ellinger, M. Kuzikov, I. Fragiadaki, E. Scoulica, S. Gul, J. Clos, K.C. Prousis, J.J. Torrado, J.M. Alunda, R.C. Wade, W. de Souza, A.C. da Silva, T. Calogeropoulou. Design, synthesis and biological evaluation of antiparasitic dinitroaniline-ether phospholipid hybrids. *Bioorg. Chem.* **2023**, *138*, 106615. <https://doi.org/10.1016/j.bioorg.2023.106615>
31. **G.E. Magoulas***. Ageladine A, a Bromopyrrole Alkaloid from the Marine Sponge *Agelas nakamurai*. *Compounds*, **2023**, *3*, 107-121. <https://doi.org/10.3390/compounds3010010>
30. A. Venturelli, L. Tagliazucchi, C. Lima, F. Venuti, G. Malpezzi, **G.E. Magoulas**, N. Santarem, T. Calogeropoulou, A. Cordeiro-da-Silva, M.P. Costi. Current Treatments to Control African Trypanosomiasis and One Health Perspective, *Microorganisms*, **2022**, *10*, 1298. <https://doi.org/10.3390/microorganisms10071298>
29. **G.E. Magoulas**, P. Afroudakis, K. Georgikopoulou, M. Roussaki, C. Borsari, T. Fotopoulou, N. Santarem, E. Barrias, P. Tejera Nevado, J. Hachenberg, E. Bifeld, B. Ellinger, M. Kuzikov, I. Fragiadaki, E. Scoulica, J. Clos, S. Gul, M.P. Costi, W. de

- Souza, K.C. Prousis, A. Cordeiro da Silva, T. Calogeropoulou. Design, Synthesis and Antiparasitic Evaluation of Click Phospholipids. *Molecules*, **2021**, 26, 4204. <https://doi.org/10.3390/molecules26144204>
28. K. Grafanaki, I. Skeparnias, C.K. Kontos, D. Anastasakis, A. Korfiati, G. Kyriakopoulos, K. Theofilatos, S. Mavroudi, **G. Magoulas**, D. Papaioannou, A. Scorilas, C. Stathopoulos, D. Drinas. Pharmacoeogenomics circuits induced by a novel retinoid-polyamine conjugate in human immortalized keratinocytes. *Pharmacogenomics J.* **2021**, <https://doi.org/10.1038/s41397-021-00241-9>.
27. **G.E. Magoulas**, L. Kalopetridou, Ana Ćirić, Eftichia Kritsi, P. Kouka, P. Zoumpoulakis, N. Chondrogianni, M. Soković, K.C. Prousis, T. Calogeropoulou. Synthesis, biological evaluation and QSAR studies of new thieno[2,3-d]pyrimidin-4(3H)-one derivatives as antimicrobial and antifungal agents. *Bioorg. Chem.* **2021**, 106, Article 104509. <https://doi.org/10.1016/j.bioorg.2020.104509>
26. E. Chazapi, **G.E. Magoulas**, K.C. Prousis, T. Calogeropoulou. Phospholipid analogues as chemotherapeutic agents against trypanosomatids. *Curr. Pharm. Des.* **2021**, 27, 1790-1806. [10.2174/1381612826666201210115340](https://doi.org/10.2174/1381612826666201210115340)
25. **G.E. Magoulas**, T. Tsigkou, L. Skondra, M. Lamprou, P. Tsoukala, V. Kokkinogouli, E. Pantazaka, D. Papaioannou, C.M. Athanassopoulos, E. Papadimitriou. Synthesis of novel artemisinin dimers with polyamine linkers and evaluation of their potential as anticancer agents. *Bioorg. Med. Chem.* **2017**, 25, 3756-3767. <https://doi.org/10.1016/j.bmc.2017.05.018>
24. K. Koutsouki, A. Angelopoulou, E. Ioannou, E. Voulgari; A. Sergides, **G.E. Magoulas**, A. Bakandritsos, K. Avgoustakis. TAT peptide-conjugated magnetic PLA-PEG nanocapsules for the targeted delivery of paclitaxel: in vitro and cell studies. *AAPS PharmSciTech.*, **2017**, 18, 769-781. <https://doi.org/10.1208/s12249-016-0560-9>
23. **G.E. Magoulas***, A. Rigopoulos, Z. Piperigkou, C. Gialeli, N.K. Karamanos, A.N. Troganis, A. Chrissanthopoulos, G. Maroulis, D. Papaioannou. Synthesis and antiproliferative activity of two diastereomeric lignan amides serving as dimeric caffeic acid-L-DOPA hybrids. *Bioorg. Chem.* **2016**, 66, 132-144. <https://doi.org/10.1016/j.bioorg.2016.04.003>
22. S. Stoica, **G.E. Magoulas**, A. Antoniou, A. Cassar, S. Suleiman, L. Gatt, D. Papaioannou, C.M. Athanassopoulos, P. Schembri-Wismayer. Synthesis of minoxidil conjugates and their evaluation as HL-60 differentiation agents. *Bioorg. Med. Chem. Lett.* **2016**, 26, 1145-1150. <https://doi.org/10.1016/j.bmcl.2016.01.048>
21. T. Petridis, D. Giannakopoulou, V. Stamatopoulou, K. Grafanaki, C.G. Kostopoulos, H. Papadaki, C.J. Malavaki, N.K. Karamanos, S. Douroumi, D. Papachristou, **G.E.**

- Magoulas**, D. Papaioannou, D. Drinas. Investigation on toxicity and teratogenicity in rats of a retinoid-polyamine conjugate with potent anti-inflammatory properties. *Birth Defects Res. B Dev. Reprod. Toxicol.* **2016**, *107*, 32-44. [10.1002/bdrb.21170](https://doi.org/10.1002/bdrb.21170)
20. **G.E. Magoulas**, M. Bantzi, D. Messari, E. Voulgari, C. Gialeli, D. Barbouri, A. Giannis, N.K. Karamanos, D. Papaioannou, K. Avgoustakis. Synthesis and Evaluation of Anticancer Activity in Cells of Novel Stoichiometric Pegylated Fullerene-Doxorubicin conjugates. *Pharm. Res.* **2015**, *32*, 1676-1693. <https://doi.org/10.1007/s11095-014-1566-1>
19. S.E. Bariamis, **G.E. Magoulas**, K. Grafanaki, E. Pontiki, T. Tsegenidis, C.M. Athanassopoulos, D. Papaioannou, D. Hadjipavlou-Litina. Synthesis and Biological Evaluation of new C-10 Substituted Dithranol Pleiotropic Hybrids. *Bioorg. Med. Chem.* **2015**, *23*, 7251-7263. <https://doi.org/10.1016/j.bmc.2015.10.022>
18. O.N. Kostopoulou, **G.E. Magoulas**, G.Papadopoulos, A. Mouzaki, G.P. Dinos, D. Papaioannou, D.L. Kalpaxis. Synthesis and Evaluation of Chloramphenicol Homodimers: Effect on Peptide-Bond Formation, Antimicrobial Activity, and Toxicity against Bacterial Strains and Healthy or Leukemic Human Cells. *PLOS ONE*. **2015**, *10*(8) e0134526. [10.1371/journal.pone.0134526](https://doi.org/10.1371/journal.pone.0134526)
17. **G.E. Magoulas**, O.N. Kostopoulou, T. Garnelis, C.M. Athanassopoulos, G.G. Kournoutou, M. Leotsinidis, Synthesis and antimicrobial activity of chloramphenicol-polyamine conjugates. *Bioorg. Med. Chem.* **2015**, *23*, 3163-3174. <https://doi.org/10.1016/j.bmc.2015.04.069>
16. **G.E. Magoulas**, D. Papaioannou. Bioinspired syntheses of dimeric hydroxycinnamic acids (lignans) and hybrids, using phenol oxidative coupling as key reaction, and medicinal significance thereof. *Molecules*, **2014**, *19*, 19769-19835. <https://doi.org/10.3390/molecules191219769>
15. O.N. Kostopoulou, E.C. Kouvella, **G.E. Magoulas**, T. Garnelis, I. Panagoulas, M. Rodi, G. Papadopoulos, A. Mouzaki, G. P. Dinos, D. Papaioannou, D.L. Kalpaxis. Conjugation with polyamines enhances the antibacterial and anticancer activity of chloramphenicol. *Nucleic Acids Res.* **2014**, *42*, 8621-8634. [10.1093/nar/gku539](https://doi.org/10.1093/nar/gku539)
14. D. Hadjipavlou-Litina, **G.E. Magoulas**, S.E. Bariamis, Z. Tsimali, K. Avgoustakis, C.A. Kontogiorgis, C.M. Athanassopoulos, D. Papaioannou. Synthesis and Evaluation of Antioxidative Potential of Minoxidil-Polyamine Conjugates. *Biochimie.* **2013**, *95*, 1437-1449. <https://doi.org/10.1016/j.biochi.2013.03.009>
13. D. Vourtsis, M. Lamprou, E. Sadikoglou, A. Giannou, O. Theodorakopoulou, E. Sarrou, **G.E. Magoulas**, S.E. Bariamis, C.M. Athanassopoulos, D. Drinas, D. Papaioannou, E. Papadimitriou. Effect of an all-trans-retinoic acid conjugate with

- spermine on viability of human prostate cancer and endothelial cells *in vitro* and angiogenesis *in vivo*. *Eur. J. Pharmacol.* **2013**, *698*, 122-130. <https://doi.org/10.1016/j.ejphar.2012.11.007>
12. **G.E. Magoulas**, Th. Garnelis, C.M. Athanassopoulos, D. Papaioannou, G. Mattheolabakis, K. Avgoustakis, D. Hadjipavlou-Litina. Synthesis and Antioxidative Activity of Novel Fullerene-Polyamine Conjugates. *Tetrahedron*. **2012**, *68*, 7041-7049. <https://doi.org/10.1016/j.tet.2012.06.066>
 11. O.N. Kostopoulou, T.G. Kourelis, P. Mamos, **G.E. Magoulas**, D.L. Kalpaxis. Insights into the chloramphenicol inhibition effect on peptidyltransferase activity, using two new analogues of the drug. *The Open Enz. Inh. J.* **2011**, *4*, 1-10. [10.2174/1874940201104010001](https://doi.org/10.2174/1874940201104010001)
 10. **G.E. Magoulas**, S.E. Bariamis, C.M. Athanassopoulos, D. Papaioannou, G. Maroulis, A. Haskopoulos, P. Dedes, M. Krokidis, N.K. Karamanos, D. Kletsas. Efficient Total Syntheses, Antiproliferative Activity and Theoretical Characterization of Acitretin-Type Retinoids with Changes in the Lipophilic Part. *Eur. J. Med. Chem.*, **2011**, *46*, 721-737. <https://doi.org/10.1016/j.ejmech.2010.12.008>
 9. D. Hatjipavlou-Litina, **G.E. Magoulas**, S.E. Bariamis, D. Drainas, D. Papaioannou. Does conjugation of antioxidants improve their antioxidative/anti-inflammatory potential? *Biorg. Med. Chem.* **2010**, *18*, 8204-8217. <https://doi.org/10.1016/j.bmc.2010.10.012>
 8. **G.E. Magoulas**, S.E. Bariamis, C.M. Athanassopoulos, D. Papaioannou. Synthetic studies towards the development of novel minoxidil analogs and conjugates with polyamines. *Tetrahedron Lett.*, **2010**, *51*, 1989-1993. <https://doi.org/10.1016/j.tetlet.2010.02.037>
 7. D. Hatjipavlou-Litina, **G.E. Magoulas**, M. Krokidis, D. Papaioannou. Syntheses and evaluation of the antioxidant activity of acitretin analogs with amide bond(s) in the polyene spacer. *Eur. J. Med. Chem.* **2010**, *45*, 298-310. <https://doi.org/10.1016/j.ejmech.2009.10.012>
 6. S.E. Bariamis, **G.E. Magoulas**, C.M. Athanassopoulos, D. Papaioannou, M.J. Manos, V. Nastopoulos. (2E,4E,6E)-3-methyl-7-(pyren-1-yl)octa-2,4,6,-trienoic acid. *Acta Cryst. E*. **2009**, *E65*, o2580. [10.1107/S1600536809038409](https://doi.org/10.1107/S1600536809038409)
 5. E. Sadikoglou,[‡] **G. Magoulas**,[‡] C. Theodoropoulou, C.M. Athanassopoulos, E. Giannopoulou, O. Theodorakopoulou, D. Drainas, D. Papaioannou, E. Papadimitriou. Effect of conjugates of all-trans retinoic acid and shorter polyene chain analogues with amino acids on prostate cancer cell growth. *Eur. J. Med. Chem.*, **2009**, *44*, 3175-3187. <https://doi.org/10.1016/j.ejmech.2009.03.029>

4. **G. Magoulas**, D. Papaioannou, E. Papadimou, D. Drinas. Preparation of spermine conjugates with acidic retinoids with potent ribonuclease P inhibitory activity. *Eur. J. Med. Chem.*, **2009**, *44*, 2689-2695. <https://doi.org/10.1016/j.ejmech.2009.01.001>
3. C.M. Athanassopoulos, T. Garnelis, **G. Magoulas**, D. Papaioannou. Efficient Synthesis of Polyamines Bearing 1H-Tetrazol-5-yl Units on Their Amino Functions. *Synthesis*, **2006**, *18*, 3134-3140. [10.1055/s-2006-942502](https://doi.org/10.1055/s-2006-942502)
2. **G. Magoulas**, D. Papaioannou. Synthetic studies towards the development of a novel class of acitretin-type retinoids. *Arkivoc* **2003**, (*vi*), 213-227. <https://doi.org/10.3998/ark.5550190.0004.623>
1. M. Militsopoulou, N. Tsiakopoulos, C. Chochos, **G. Magoulas**, D. Papaioannou. Simple Synthesis of cyclic polyamines using selectively N-tritylated polyamines and dicarboxylic acids as bridging elements. *Tetrahedron Lett.* **2002**, *43*, 2593-2596. [https://doi.org/10.1016/S0040-4039\(02\)00335-0](https://doi.org/10.1016/S0040-4039(02)00335-0)

Patents

1. US 2023365602 A1, 16/11/2023 "Compound for use in the treatment of protozoal diseases and process for production of said compound". Applicant: QuadrEL Srl. Inventors: Calogeropoulou, T. Prousis, K.C., Roussaki, M., **Magoulas, G.E.**, Fotopoulou T.
2. PCT/EP2021/075969, 21/09/2021 "Compound for use in the treatment of protozoal diseases and process for production of said compound". Applicant: QuadrEL Srl. Inventors: Calogeropoulou, T. Prousis, K.C., Roussaki, M., **Magoulas, G.E.**, Fotopoulou T.
3. GR 20200100577, 22/09/2020 "Compound for use in the treatment of protozoal diseases and process for production of said compound". Applicant: National Hellenic Research Foundation. Inventors: Calogeropoulou, T. Prousis, K.C., Roussaki, M., **Magoulas, G.E.**, Fotopoulou T.

Chapters in books

1. Theodora Calogeropoulou, **George E. Magoulas**, Ina Pohner, Rebecca C. Wade, Joanna Panecka-Hofman, Pasquale Linciano, Stefania Ferrari, Maria Paola Costi, Nuno Santarem, Ma Dolores Jimenez-Anton, Ana Isabel Olias-Molero, Anabela Cordeiro da Silva and Jose Maria Alunda, "Hits and Lead Discovery in the Identification of New Drugs against the Trypanosomatidic Infections" **Chapter 10** in: Medicinal Chemistry of Neglected and Tropical Diseases: Advances in the

Design and Synthesis of Antimicrobial Agents, (Edited by: Venkatesan Jayaprakash, Daniele Castagnolo, Yusuf Ozkay) CRC Press (**2019**) Pages. 185-231.

Oral presentations

1. **G.E. Magoulas** and D. Papaioannou [**2015**], "Synthesis of two diastereoisomeric lignanamides and investigation of their antiproliferative activity against breast cancer cell lines" 16th Hellenic Symposium In Medicinal Chemistry, Patras, Greece, 23-25 January.
2. D. Hatjipavlou-Litina **G.E. Magoulas**, S.E. Bariamis, D. Drainas, D. Papaioannou [**2010**], "Does conjugation of antioxidants improve their antioxidative/anti-inflammatory potential?" Biotechnology, Drug Discovery & Novel Therapeutic Approaches Workshop, Camerino, Italy, 28-30 October.
3. **G. Magoulas** and D. Papaioannou [**2002**], "Synthesis of conformationally restricted Retinoids of the Acitretin type", 3rd Conference on Medicinal Chemistry: Drug Discovery and Design, Departments of Chemistry and Pharmacy, University of Patras, Patras, Greece, 7-9 March.

Participation in international conferences

1. L.M. Nunes Lemes, **G.E. Magoulas**, L. Alonso, A. Souza de Oliveira, B. de Lucena Costa, R.S. Gomes, M.L. Dorta, E. Barrias, L. de Camargo Nascente, R. Granado, S. Teixeira de Macedo Silva, W. de Souza, A. Alonso, M.L. Bolognesi, L.A. Soares Romeiro, T. Calogeropoulou [**2025**] "Sustainable development of novel antiparasitic agents valorising by-products of the cashew industry" Strategies for breaking the chain between the parasite reservoir in animals and infections in humans, Antwerp, Belgium, 4-6 June.
2. S. Gemma, E. Uliassi, C. Borsari, M. Tonelli, F. Pellati, S. Blandin, E. Davioud-Charvet, **G.E. Magoulas**, I.P. Papanastasiou, L. Tamborini, V. Tudino, L. Bertarini, V. Francesconi, D. Aiello, R.M. Beteck, G. Bayraktar, C. Exertier, J.J. Ajdukovic, P. Marchand, C. Dardonville, H. Istanbulu, C. Pyrkotis, J. Tavares, D.C. Magri, A. Ilari, C.R. Nngameko, A. Cordeiro da Silva, M.G. Bertram, E.S.J. Thoré, U. Wittig, S. Gul, M.P. Costi, T. Calogeropoulou [**2024**] "Antiparasitic drug discovery and emerging scaffolds with predictive low environmental impact" Advancements in Structural and Functional Drug Discovery of Vector-borne Diseases, Oxford, UK, 3-5 July.
3. O. Kirkilessi, **G.E. Magoulas**, E. Kritsi, M. Zervou, I. Pediaditakis, P. Efstathopoulos, A. Kourgiantaki, K.C. Prousis, I. Charalampopoulos, A. Gravanis, T. Calogeropoulou [**2019**] "Design, Synthesis and evaluation of microneurotrophins, novel synthetic agonists of neurotrophin receptors" 8th EFMC

International Symposium on Advances in Synthetic and Medicinal Chemistry, Athens, Greece, 1-5 September.

4. **G.E. Magoulas**, O. Kirkilessi, E. Kritsi, M. Zervou, I. Pediaditakis, P. Efstathopoulos, A. Kourgiantaki, K.C. Prousis, I. Charalampopoulos, A. Gravanis, T. Calogeropoulou [2019] "Synthetic microneurotrophins as novel agonists of neurotrophin receptors" 55th International Conference in Medicinal Chemistry, Rencontres Internationales de Chemie Thérapeutique, Nantes, France, 3-5 July.
5. **G.E. Magoulas**, E. Kritsi, K. Koumaki, V. Souliotis, M. Koufaki, D. Papahatjis, A. Pintzas, M. Zervou, T. Calogeropoulou [2019] "Structure-based design and synthesis of putative BRAF^{V600E} inhibitors as anticancer agents" 11th Joint Meeting on Medicinal Chemistry, Prague, Czech Republic, 27-30 June.
6. P. Tsoukala, **G.E. Magoulas**, A. Antoniou, C.M. Athanassopoulos, D. Papaioannou, E. Papadimitriou, T. Tsigkou, M. Lamprou [2013], "Synthesis of artemisinin dimers and their biological evaluation against MCF7 breast cancer cells" 5th BBBB International Conference, Athens, Greece, 26-28 September.
7. O.N. Kostopoulou, **G.E. Magoulas**, D. Papaioannou, D.L. Kalpaxis [2013], "Dimers of chloramphenicol as alternative antibacterials", 38th FEBS Congress, Saint Petersburg, Russia, 6-11 July.
8. D. Hatjipavlou-Litina, **G.E. Magoulas**, S.E. Bariamis, D. Drainas, D. Papaioannou [2010], "Does conjugation of antioxidants improve their antioxidative/anti-inflammatory potential?" Biotechnology, Drug Discovery & Novel Therapeutic Approaches Workshop, Camerino, Italy, 28-30 October.
9. **G. Magoulas**, S.E. Bariamis, C.M. Athanassopoulos and D. Papaioannou [2009], "Synthetic studies towards the development of novel Minoxidil-Polyamine conjugates", 10th Tetrahedron Symposium: Challenges in Organic and Bioorganic Chemistry, Paris, France, 23-26 June.
10. M-E. Androutsou, G. Agelis, **G. Magoulas**, M. Saifeddine, M. Hollenberg, J. Matsoukas [2008], "Design and synthesis of a non-peptide PAR-1 thrombin receptor antagonist, using cyclohexane as template", 30th European Peptide Symposium, Helsinki, Finland, 31 August-5 September.
11. **G. Magoulas** and D. Papaioannou [2005], "Efficient total synthesis of novel Acitretin-type Retinoids with variable electron density in the aromatic ring", 14th European Symposium on Organic Chemistry, Laboratory of Organic Chemistry, University of Helsinki, Helsinki, Finland, 4-8 July.

Participation in national conferences

1. I. Zota, K. Chanoumidou, **G.E. Magoulas**, T. Calogeropoulou, I. Charalampopoulos, A. Gravanis. [2023] "Novel BDNF-mimetics as potential

therapeutic agents against neurodegeneration” Chemical Biology Workshop: Drug & Biomarker Discovery, Athens, 23-25 November.

2. **G.E. Magoulas**, M. Roussaki, T. Fotopoulou, N. Santarem, E. Barrias, I. Pöhner, S. Luelmo, P. Afroudakis, N. Paloma Tejera, J. Eick, E. Bifeld, M.J. Corral, M.D. Jiménez-Antón, B. Ellinger, M. Kuzikov, I. Fragiadaki, E. Scoulica, S. Gul, J. Clos, K.C. Prousis, J.J. Torrado, J.M. Alunda, R.C. Wade, W. de Souza, A. da Silva Cordeiro, T. Calogeropoulou. [2023] “Design, synthesis and biological evaluation of antiparasitic dinitroaniline-ether phospholipid hybrids” 19th Hellenic Symposium on Medicinal Chemistry, Patras, 9-11 March.
3. **G.E. Magoulas**, L. Kalopetridou, Ana Ćirić, Eftichia Kritsi, P. Kouka, P. Zoumpoulakis, N. Chondrogianni, M. Soković, K.C. Prousis, T. Calogeropoulou. [2021] “Synthesis, biological evaluation and QSAR studies of new thieno[2,3-*d*]pyrimidin-4(3*H*)-one derivatives as antimicrobial and antifungal agents” 18th Hellenic Symposium on Medicinal Chemistry, Online Symposium, 25-27 February.
4. K. Grafanaki, D. Anastasakis, S. Fakiolas, **G. Magoulas**, C.J. Malavaki, C. Kontos, A. Scorilas, N.K. Karamanos, D. Papaioannou, D. Drainas [2014], “Functional genomic analysis of a novel retinoid-polyamine conjugate exhibiting anti-inflammatory and anti-cancer properties” 65th Congress of the Hellenic Society of Biochemistry and Molecular Biology, Thessaloniki, Greece, 28-30 November.
5. D. Messari, **G.E. Magoulas**, E. Voulgari, C. Gialeli, D. Barbouri, N. K. Karamanos, D. Papaioannou, K. Avgoustakis [2014], “Synthesis and Evaluation of Anticancer Activity in Cell Lines of Novel Stoichiometric Pegylated Fullerene-Doxorubicin Conjugates” 2nd Congress of Pharmaceutical Sciences, Patras, Greece, 9-11 October.
6. O.N. Kostopoulou, **G.E. Magoulas**, D. Papaioannou, D.L. Kalpaxis [2011], “Synthesis and potency of a spermidine analogue of chloramphenicol”, 63rd Congress of the Hellenic Society of Biochemistry and Molecular Biology”, Heraklion, Crete, Greece, 9-11 November.
7. **G. Magoulas**, S.E. Bariamis, C.M. Athanassopoulos and D. Papaioannou [2009], “Synthetic studies towards the development of novel Minoxidil-Polyamine conjugates”, 3rd Hellenic Symposium on Organic Synthesis: From Chemistry to Biology, Medicine and Material Science, Athens, Greece, 15-17 October.
8. C.M. Athanassopoulos, S.E. Bariamis, T. Garnelis, M. Militsopoulou, **G. Magoulas**, K. Boulda, A. Napoli, G. Sindona and D. Papaioannou [2009], “Development of efficient methodologies for the synthesis of novel medicinally interesting polyamine/ester conjugates”, 10th Conference on Medicinal Chemistry: Drug Discovery and Design, Departments of Chemistry and Pharmacy, University of Patras, Patras, Greece, 18-20 March.

9. M Krokidis, **G. Magoulas**, D. Hadjipavlou-Litina and D. Papaioannou [2009], "Total syntheses of new amide analogs of Acitretin", 10th Conference on Medicinal Chemistry: Drug Discovery and Design, Departments of Chemistry and Pharmacy, University of Patras, Patras, Greece, 18-20 March.
10. M. Mihalatou, M-T. Matsoukas, K. Kelaedonis, **G. Magoulas**, J. Matsoukas and T. Tselios [2008], "Design, Synthesis and conformational analysis of angiotensin II receptor antagonists with double action: A new generation of antihypertensive drugs", 6th Hellenic forum on Bioactive peptides, University of Patras, Patras, Greece, 18-20 May.
11. A. Katsiaridis, S.E. Bariamis, **G. Magoulas**, C.M. Athanassopoulos and D. Papaioannou [2008], "Studies towards the development of convergent methodologies for the total synthesis of Acitretin analogs incorporating changes in the lipophilic part", 9th Conference on Medicinal Chemistry: Drug Discovery and Design, Departments of Chemistry and Pharmacy, University of Patras, Patras, Greece, 26-28 March.
12. **G. Magoulas** and D. Papaioannou [2007], "Application of peptide methodologies to the synthesis of Novel Analogs of the retinoid Acitretin" 5th Hellenic forum on Bioactive peptides, University of Patras, Patras, Greece, 14-16 May.
13. C.M. Athanassopoulos, T. Garnelis, **G. Magoulas** and D. Papaioannou [2006], "Efficient synthesis of polyamines bearing tetrazolyl units on their amino functions", 7th Conference on Medicinal Chemistry: Drug Discovery and Design, Departments of Chemistry and Pharmacy, University of Patras, Patras, Greece, 8-11 March.
14. **G. Magoulas** and D. Papaioannou [2006], "Efficient total syntheses of novel acitretin-type retinoids with variable electron density in the aromatic ring", 7th Conference on Medicinal Chemistry: Drug Discovery and Design, Departments of Chemistry and Pharmacy, University of Patras, Patras, Greece, 8-11 March.
15. **G. Magoulas** and D. Papaioannou [2005], "Total synthesis of novel Acitretin-type Retinoids", 6th Conference on Medicinal Chemistry: Drug Discovery and Design, Departments of Chemistry and Pharmacy, University of Patras, Patras, Greece, 10-12 March.
16. **G. Magoulas**, E. Pantazaka, A.J. Aletras, D. Papaioannou [2004] "Total synthesis and biological activity of novel Acitretin-type retinoids", 4th Hellenic forum on Bioactive peptides, University of Patras, Patras, Greece, 22-24 April.
17. **G. Magoulas**, E. Pantazaka, D. Stavroulakis, D. Papaioannou, D. Kalavrizioti, A. Vourekas, D. Tsambaos and D. Drinas [2004], "Total synthesis and RNase P inhibitory activity of novel Acitretin-type Retinoids", 1st Hellenic Symposium

Organic Synthesis from Chemistry to biology, Medicine and Material Science, University of Athens, Athens, Greece, 4-6 November.

18. **G. Magoulas**, E. Pantazaka and D. Papaioannou [**2004**], "Synthetic studies towards the development of a novel class of Acitretin-type Retinoids", 5th Conference on Medicinal Chemistry: Drug Discovery and Design, Departments of Chemistry and Pharmacy, University of Patras, Patras, Greece, 11-12 March.
19. **G. Magoulas** and D. Papaioannou [**2003**], "Synthetic studies towards the development of a novel class of analogs of the pharmacologically important Retinoid Acitretin", 4th Conference on Medicinal Chemistry: Drug Discovery and Design, Departments of Chemistry and Pharmacy, University of Patras, Patras, Greece, 13-14 March.
20. **G. Magoulas** and D. Papaioannou [**2002**], "Synthesis of conformationally restricted Retinoids of the Acitretin type", 3rd Conference on Medicinal Chemistry: Drug Discovery and Design, Departments of Chemistry and Pharmacy, University of Patras, Patras, Greece, 7-9 March.
21. N. Tsiakopoulos, **G. Magoulas**, P. Gatos, C. Damianakos, E. Pantazaka and D. Papaioannou [**2001**], "Total synthesis of medicinally interesting linear, conformationally restricted and branched Polyamine analogs using Amino Acids as building blocks", 2nd Conference on Medicinal Chemistry: Drug Discovery and Design, Departments of Chemistry and Pharmacy, University of Patras, Patras, Greece, 1-3 March.

Organization of conferences

2024: Member of the Organizing Committee of COST Workshop: Novel leads and drugs for vector-borne diseases, Athens, 19-20 September.

2023: Member of the Organizing Committee of 1st Chemical Biology Workshop: Drug & Biomarker Discovery, Athens, 23-25 November.