

## CURRICULUM VITAE

### ELENI M. LADOPOULOU

#### Education

**November 2020 to date:** PhD in Medicinal Chemistry (PhD title: The role of the transcription factor ROR $\alpha$  in the circadian cycle. A medicinal chemistry and chemical biology approach). The PhD research takes place in the medicinal chemistry laboratory of Dr. Alexios N. Matralis at Fleming in collaboration with Professor Dendos' laboratory, Department of Biology, University of Athens.

**November 2007 – July 2010:** MSc in Medicinal Chemistry, School of Pharmacy, University of Athens, Greece (Grade: 9.62/10.00)

**2002-2007:** Pharmacy Diploma, School of Pharmacy, University of Athens, Greece (Grade: 7.34/10.00)

#### Work Experience

**June 2016 – September 2018:** Pharmacist at family owned pharmacy, Katerini, Greece.

**October 2014 - July 2015:** Research Assistant, Medicinal Chemistry and Biochemistry Labs, McGill University, Montreal, Canada.

**July 2010 – September 2013:** Pharmacist at family owned pharmacy, in Katerini, Greece.

**April 2007 – July 2007:** Practical Exercise at the pharmacy of "Alexandra" General Hospital in Athens, Greece.

#### Career Break

**October 2018 – August 2020** due to motherhood.

#### Monographs

**MSc thesis (2010):** Synthesis and Evaluation of Novel Morpholine Derivatives. Design of a New Antidyslipidaemic Molecule with Potent Antioxidant and Type II Antidiabetic Activity.

**Diploma thesis (2007):** Synthesis and Evaluation of New Bioisosteric Analogs of Antiatherogenic Molecules.

#### Publications

1) Squalene Synthase Inhibitors: An Update on the Search for New Antihyperlipidemic and Antiatherosclerotic Agents. A.P. Kourounakis, M.G. Katselou, A.N. Matralis, E.M. Ladopoulou and E. Bavavea. *Curr. Med. Chem.*, **2011**, *18*, 4418-4439. ([www.eurekaselect.com/75134/article](http://www.eurekaselect.com/75134/article))

2) New Multifunctional Di-*tert*-butylphenol octahydro(pyrido/benz)oxazine Derivatives with Antioxidant, Antihyperlipidemic and Antidiabetic Action. Eleni Ladopoulou, Alexios N. Matralis and Angeliki P. Kourounakis. *J. Med. Chem.*, **2013**, *56*, 3330-3338. ([pubs.acs.org/doi/abs/10.1021/jm400101e?journalCode=jmcmr](http://pubs.acs.org/doi/abs/10.1021/jm400101e?journalCode=jmcmr))

3) Antihyperlipidemic Morpholine Derivatives with Antioxidant Activity: An Investigation of the Aromatic Substitution. Eleni M. Ladopoulou, Alexios N. Matralis, Anastasios

Nikitakis and Angeliki P. Kourounakis. *Bioorg. Med. Chem.*, **2015**, *23*, 7015-7023. ([www.sciencedirect.com/science/article/pii/S0968089615300602](http://www.sciencedirect.com/science/article/pii/S0968089615300602))

#### **Participation in Conferences, among which:**

*Catalytic inhibitors of the human GPPS-Design and Synthesis*. Ladopoulou Eleni, Ta Vivian, Berghuis AM, Poirer J, Tsantrizos YS. *98th Canadian Chemistry Conference and Exhibition, Ottawa, Canada, June 13-17, 2015*.

*In Vitro & In Vivo Evaluation of a New Antidyslipidaemic Molecule. A Preliminary Pharmacokinetic study*. Katselou Maria, Ladopoulou Eleni, Kourounakis Angeliki. *12th International Conference in Advanced Medicinal Chemistry*. Thessaloniki, Greece, May 20-21, 2011.

a) *Design, Synthesis and Evaluation of Novel biphenyl- substituted Morpholine Derivatives with Antioxidant and Antidyslipidaemic Activity*. Eleni M. Ladopoulou and Angeliki P. Kourounakis.,

b) *Design, Synthesis and Evaluation of a Novel Antioxidant Benzoxazine- Derivative with Antidyslipidaemic activity*. Alexios N. Matralis, Eleni M. Ladopoulou and Angeliki P. Kourounakis. *7th Hellenic Conference of Free Radicals and Oxidative Stress*. Spetses, Greece, 10-13 June 2010.

*Application of a QSAR Model for the Design of Hypolipidaemic Derivatives with Improved Antioxidant Activity*. Ladopoulou Eleni, Nikitakis Anastasios and Kourounakis Angeliki. *11th International Conference in Advanced Medicinal Chemistry*. Thessaloniki, Greece, 23 and 24 May, 2009.

*Design of antioxidant anti-hyperlipidaemic molecules as antiatherosclerotic agents*. A. Kourounakis, A. Matralis, E. Ladopoulou, A. Nikitakis. *4th International Conference on Oxidative Stress in Skin Medicine and Biology*. Andros, Greece, 11-14 September, 2008. *XXVIII Advanced Course of Medicinal Chemistry and "E. Duranti" National Seminar for PhD Students*. Urbino, Italy, July 6-11, 2008. (attendance)

#### **Languages**

**Greek** (native)

**English**: Certificate of Proficiency in English (University of Cambridge) – 2005.  
IELTS Academic (Test Score 7.5/9.0)-2013

**French**: Diplôme d' Études en Langue Française (Delf) 1er Degré – 2001.

#### **Technical Experience**

During my undergraduate and postgraduate studies as well as my employment as a research assistant, I dealt with organic synthesis and became familiar with the purification and isolation of organic molecules using flash column chromatography. Structural analysis of the compounds was performed via NMR, IR and LCMS techniques. Furthermore, I have conducted *in vitro* enzymatic inhibitory assays and *in vivo* experimental animal protocols (based on bibliographic data) and developed a type II diabetes mice model. I have also a grasp in protein expression and isolation.

#### **Scholarships**

**2008-2009**: State Scholarship Foundation, Athens, Greece.