



Sofia Kiriakidi

Date of Birth: 29/12/1988

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Education

- June 2016** **Phd Student at Department of Chemistry, University of Athens**
Research Area: Computational Drug Design
- DFT quantum simulations on organic cyclization reactions of pharmaceutical building blocks catalyzed by Au
 - Molecular Modeling and Simulations on A₁T Receptor
- Advisor:* Prof. Thomas Mavromoustakos, Department of Chemistry
- 2012-2014** **Master of Science in Theoretical Chemistry [120 ECTS-EQF level 7]**
Uppsala University, Uppsala, Sweden
- Thesis:** Quantum Computational study of the hydrogen generating mechanism of the transition metal catalyst Co[(py)(bpy)Cl₂]
- Supervisor:* Assoc.Prof. Marcus Lundberg
- 2006-2012** **Chemistry Degree [240 ECTS-EQF level 6]**
National Capodistrian University of Athens
- Thesis:** "Statistical Thermodynamics study of local density heterogeneity of dilute oxygen solutions in supercritical water, with the use of Molecular Dynamics"
- Supervisor:* Prof. Ioannis Samios
- Degree Grade: 7
- ## Professional Experience
- 5/16-9/17** **Regulatory Affairs Officer at Pharmassist (Contract Research Organisation)**
Dossier Preparation, registration in EU region, scientific advice, legal and strategy consulting concerning authorisation grant and maintenance of pharmaceutical products, compliance with Greek and EU legislation
- 9/16-12/16** **Contracted to Pharmathen SA through Pharmassist as Regulatory Affairs Consultant**
Duties similar to the above, extended to further regions (EU, South Africa, Canada, New Zealand, Australia)
- 5/15-4/16** **Medical Representative and Pharmaceutical Sales at MaBiCo for Mylan**
Detailing and pharmaceutical sales, medical representation for proton pump inhibitors at Gastrologists
- 7/14-12/14** **Researcher at Department of Pharmacy, University of Athens**
Computational Drug Design
Supervisor: Assoc. Prof. Antonios Kolocouris
- 11/14** **Guest Researcher at University of Vigo (Spain)**
DFT quantum simulations on organic cyclization reactions of pharmaceutical building blocks catalyzed by Au
Supervisor: Prof. Carlos Silva Lopez
- 2013** **Research Training in Theoretical Chemistry**
Quantum Computational study of the hydrogen generating mechanism of the transition metal catalyst Co[(py)(bpy)Cl₂]
Supervisor: Dr Marcus Lundberg

Computer Qualifications

- excellent command of computational programmes** (Gaussian, Desmond, Gold, Gromacs)
- excellent command of chemistry visualization programmes** (Molden, ChemDraw, VMD, GaussView, Chimera)

Windows/Linux Environment

- excellent Office command (word processor, spread sheet, presentation software)
- very good command of graphical design suites (Photoshop, InDesign)
- excellent command of Latex
- currently studying of basic programming (C, Python)

Languages

Native Greek

Foreign

English: **Excellent Working Proficiency**

Cambridge Proficiency in English (CPE), Michingan Proficiency in English (ECPE) **(C2 level)**

French: **Limited Proficiency** , DELF **(B2 level)**

Swedish: **Limited Proficiency**, Swedex B2 **(B2 level)**

Spanish: *learning*

Publications

- 1. Governing effects in the mechanism of the gold-catalyzed cycloisomerization of allenic hydroxylamine derivatives**, [Sofia Kiriakidi](#),^a [Olalla Nieto Faza](#),^b [Antonios Kolocouris](#)^{*a} and [Carlos Silva López](#)^{*c} *Org. Biomol. Chem.*, 2017,15, 5920-5926, doi: 10.1039/C7OB01275F
- 2. Quantum Computational study of the hydrogen generating mechanism of the transition metal catalyst Co[(py)(bpy)Cl₂]** , Liqin Xue, Sofia Kiriakidi, Anders Thapper, Sascha Ott and Marcus Lundberg [under preparation]

Conferences

1. 5th International Bau Drug Design Congress, 19-21 October 2017, Instabul, Turkey

Poster & Talk: «Interactions and Biological Evaluation of the complexed Candesartan and its prodrug Candesartan Cilexetine in Cyclodextrin with lipid bilayers»

2. IXth Joint Meeting In Medicinal Chemistry, 7-10 June 2015, Athens, Greece

Poster: «A DFT study of gold-catalyzed cycloisomerization of functionalized allenes»

Awards

1st ELIDEK State Scholarships, 2017