

## Curriculum: Georgios Papadopoulos

1977 Graduate of the department of Physics of the Aristotle University of Thessaloniki/Greece

1984 Diploma in theoretical Biophysics from the department of Physics /Freie Universität Berlin/Germany

1989 Ph.D. in Biophysics from the department of Physics /Freie Universität Berlin/Germany

1993, 1994, 1996, 2004 Short term guest scientist in Hahn-Meitner Institut/Berlin and Forschungszentrum Jülich/Germany

Since 1994 Teaching of Physics, Biostatistics, Bioinformatics, Physical Chemistry and Biophysics in the University of Thessaly/Greece, Democritus University of Thrace/Greece and the Aristotle University of Thessaloniki/Greece.

2009 Lecturer of Biophysics in the department of Biochemistry & Biotechnology/UTH

2013 Assistant Professor of Biophysics in the department of Biochemistry & Biotechnology/UTH

2016 Tenured Assistant Professor of Biophysics in the department of Biochemistry & Biotechnology/UTH

2020 Associate Professor of Biophysics in the department of Biochemistry & Biotechnology/UTH

## Research:

Focused on the study of structure of biological macromolecules and of their interactions using theoretical and computational methods.

## Ten most recent publications:

1. Structural properties and interaction energies affecting drug design. An approach combining molecular simulations, statistics, interaction energies and neural networks. Dimitris Ioannidis, Georgios E. Papadopoulos, Georgios Anastassopoulos, Alexandros Kortsaris, Konstantinos Anagnostopoulos, *Computational Biology and Chemistry* 56 (2015) 7–12
2. Chloramphenicol Derivatives as Antibacterial and Anticancer Agents: Historic problems and current solutions. George P. Dinos, Constantinos M. Athanassopoulos, Dionissia A. Missiri, Panagiota C. Giannopoulou, Ioannis A. Vlachogiannis, Georgios E. Papadopoulos, Dionissios Papaioannou, Dimitrios L. Kalpaxis, *Antibiotics* (2016), 5, 20; doi:10.3390
3. Frequency Dependent Non- Thermal Effects of Oscillating Electric Fields in the Microwave. Region on the Properties of a Solvated Lysozyme System: A Molecular Dynamics Study. Stelios Floros, Maria Liakopoulou-Kyriakides, Kostas Karatasos, Georgios E. Papadopoulos, *PLOS ONE* | DOI:10.1371/journal.pone.0169505 January 27, 2017
4. Marketed drugs used for the management of hypercholesterolemia as anticancer armament. Panagiota Papanagnou, Theodora Stivarou, Ioannis Papageorgiou, Georgios E. Papadopoulos, Anastasios Pappas, *OncoTargets and Therapy* 2017:10 4393–4411

5. Evidence for disulfide bonds in SR Protein Kinase 1 (SRPK1) that are required for activity and nuclear localization. Maria Koutroumani, Georgios E. Papadopoulos, Metaxia Vlassi, Eleni Nikolakaki<sup>1</sup>, Thomas Giannakouros, PLOS ONE | DOI:10.1371/journal.pone.0171328 February 6, 2017
6. Amino acid signatures in the HLA class II peptide-binding region associated with protection/susceptibility to the severe West Nile Virus disease. Constantina A. Sarri, Georgios E. Papadopoulos, Anna Papa, Athanasios Tsakris, Danai Pervanidou, Agoritsa Baka, Constantina Politis, Charalambos Billinis, Christos Hadjichristodoulou, Zisis Mamuris, PLOS ONE, <https://doi.org/10.1371/journal.pone.0205557> October 31, 2018
7. Toward fully exploiting the therapeutic potential of marketed pharmaceuticals: the use of octreotide and chloroquine in oncology. Panagiota Papanagnou, Georgios E Papadopoulos, Theodora Stivarou and Anastasios Pappas, *OncoTargets and Therapy* 2019:12 319–339
8. New chloramphenicol derivatives through the glasses of anticancer and antimicrobial activity. Panagiota C. Giannopoulou, Dionissia A. Missiri, Georgia G. Kournoutou, Eleni Sazakli, Georgios E. Papadopoulos, Dionissios Papaioannou, George P. Dinos, Constantinos M. Athanassopoulos, and Dimitrios L. Kalpaxis, *Antibiotics* 2019
9. Boswellic acids and their derivatives as potent regulators of glucocorticoid receptor actions. Aikaterini G. Karra, Maria Tziortziou, Paraskevi Kylindri, Dimitra Georgatza, Vyron A. Gorgogietas, Anthi Makiou, Afroditi Krokida, Ioannis Tsialtas, Foteini D. Kalousi, Georgios E. Papadopoulos, Kalliope K. Papadopoulou, Anna-Maria G. Psarra, *Archives of Biochemistry and Biophysics* 695 (2020) 108656, <https://doi.org/10.1016/j.abb.2020.108656>
10. Nicotinic Cholinergic System and COVID-19: In Silico Identification of an Interaction between SARS-CoV-2 and Nicotinic Receptors with Potential Therapeutic Targeting Implications. Konstantinos Farsalinos, Elias Eliopoulos, Demetres D. Leonidas, Georgios E. Papadopoulos, Socrates Tzartos and Konstantinos Poulas, *Int. J. Mol. Sci.* 2020, 21, 5807; doi:10.3390/ijms21165807