Konstantinos Anagnostopoulos

October 1986 – October 1990: Diploma in Chemistry, Department of Chemistry, Aristotle University of Thessaloniki, degree 8.83/10

October 1990 – February 1995: Ph.D. Lab. of Biochemistry, Department of Chemistry, Aristotle University of Thessaloniki. Ph.D. subject: "Study of the biosynthesis of polyamines in the bacterium *Escherichia coli*"

March 1995 – January 1997: Post-doctoral researcher, Max-Planck Institut fuer Molekulare Genetik, Berlin

March 1997 – October 1998: Military service in the greek army

October 1998 – July 1999: Post-doctoral researcher, Max-Planck Institut fuer Molekulare Genetik, Berlin

The post-doctoral work was carried out in a group under the supervision of Prof. Ada Yonath, who was awarded the 2009 Nobel prize for the determination of the structure of the ribosome.

Work experience

July 1999 – September 2002: Biochemist in the biochemical laboratory of "PAPAGEORGIOU GENERAL HOSPITAL" in Thessaloniki, Greece.

October 2002 – December 2003: Technical assistant, Department of Biochemistry and Biotechnology, University of Thessaly, Larissa, Greece.

January 2004 – June 2009: Lecturer of biochemistry, Lab. Of Biochemistry, Faculty of Medicine, Democritus University of Thrace

June 2009 – August 2014: Assistant Professor of biochemistry, Lab. Of Biochemistry, Faculty of Medicine, Democritus University of Thrace

August 2014- present: Associate Professor of biochemistry, Lab. Of Biochemistry, Faculty of Medicine, Democritus University of Thrace

SELECTED PUBLICATIONS

1. Allosteric Activation by Nucleotides of the Inactive by Phosphatase Ornithine Decarboxylase of *Escherichia coli,* C. Anagnostopoulos, T. Choli and D.A. Kyriakidis, *Biochemistry International* 1992; 27 (6): 991-1000

2. Ribosomal crystallography: from crystal growth to initial phasing, J. Thygesen, S. Krumbholz, I. Levin, A. Zaytsev-Bashan, J. Harms, H. Bartels, F. Schluenzen, H.A.S. Hansen, W.S. Bennett, N. Volkmann, I. Agmon, M. Eisenstein, A. Dribbin, E. Maltz, I. Sagi, S. Morlang, M. Fua, F. Franceschi, S. Weinstein, N. Bodekker, R. Sharon, K. Anagnostopoulos, M. Peretz, M. Geva, Z. Berkovitsch-Yellin, A. Yonath, *Journal of Crystal Growth* 1996; 168: 308-323

3. Effects of plant phenolics and grape extracts from Greek varieties of Vitis vinifera on Mitomycin C and topoisomerase I-induced nicking of DNA, Demetrios Stagos, Georgios Kazantzoglou, Prokopios Magiatis, Sofia Mitaku, Konstantinos Anagnostopoulos and Demetrios Kouretas, *International Journal of Molecular Medicine* 2005; 15 (6):1013-22

4. Mesna protects splachnic organs from oxidative stress induced by pneumoperitoneum, Petros Ypsilantis, Ioannis Tentes, Konstantinos Anagnostopoulos, Alexandros Kortsaris, Constantinos Simopoulos, *Surgical Endoscopy*, 2009; 23(3): 583-589

5. Effect of HbS in the determination of HbA_2 with the Menarini HA-8160 analyzer and comparison with other instruments, K. Anagnostopoulos (corresponding author), I. Tentes, C. Kalleas, D. Margaritis, A. Toli, D. Pendilas, G. Bourikas, C. Tsatalas, A. Kortsaris *International Journal of Laboratory Hematology*, 2009; 31(6): 665-672

6. Phenotype and genotype frequency of β-thalassemia and sickle cell disease carriers in Halkidiki, Northern Greece, C.Kalleas, K.Anagnostopoulos, K.Sinopoulou, E.Delaki, D.Margaritis, G.Bourikas, C.Tsatalas, A.Kortsaris and I.Tentes, *Hemoglobin*, (2012); 36(1): 64-72

7. A rat model of cigarette smoke abuse liability, P.Ypsilantis, M.Politou, C.Anagnostopoulos, A. Kortsaris, C. Simopoulos, *Comparative Medicine* (2012); 62(5): 395-399

8. 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*, 2015; 56: 7-129

9. Validation of the novel Martin method for LDL cholesterol estimation, Efi Petridou and Kostas Anagnostopoulos, *Clinica Chimica Acta* (2019), 496:68-75