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Main fields of specialization: molecular biology techniques, protein expression and purification, kinetic analysis methods, crystallization and X-ray crystallography, Small Angle X-Ray Scattering, Nuclear Magnetic Resonance Spectroscopy.

She is a registered user Registered user of the synchrotron radiation sources: SRS (Daresbury, UK), Max-Lab (Lund, Sweden), EMBL (Hamburg, Germany), ELETTRA (Trieste, Italy). She is a member of the Association of Greek Chemists, the Hellenic Society of Biochemistry and Molecular Biology and the Hellenic Crystallographic Society.

### Scientific publications

1. **C.E. Drakou**, A. Malekkou, J.M. Hayes, C.W. Lederer, D.D. Leonidas, N.G. Oikonomakos, A.I. Lamond, N. Santama, S.E. Zographos. hCINAP is an atypical mammalian nuclear adenylate kinase with an ATPase motif: Structural and functional studies. *Proteins*, **Accepted 28 August 2011**.
2. K.E. Tsitsanou, T. Thireou, **C.E. Drakou**, K. Koussis, M.V. Keramioti, D.D. Leonidas, E. Eliopoulos, K. Iatrou, S.E. Zographos (2011). Anopheles gambiae odorant binding protein crystal complex with the synthetic repellent DEET: implications for structure-based design of novel mosquito repellents. *Cell. Mol. Life Sci.*, **Epub 14 June; doi: 10.1007/s00018-011-0745-z**
3. V.G. Tsirkone, E. Tsoukala, C. Lamprakis, S. Manta, J.M. Hayes, V.T. Skamnaki, C. Drakou, S.E. Zographos, D. Komiotis, D.D. Leonidas (2010). 1-(3-Deoxy-3-fluoro-b-D-glucopyranosyl) pyrimidine derivatives as inhibitors of glycogen phosphorylase b: Kinetic, crystallographic and modelling studies. *Bioorg. Med. Chem.*, **18(10)**, 3413-3425.
4. E. Barbayianni, C.G. Kokotos, S. Bartsch, **C. Drakou**, U.T. Bornscheuer, G. Kokotos (2009). Bacillus subtilis Esterase (BS2) and its Double Mutant Have Different Selectivity in the Removal of Carboxyl Protecting Groups. *Adv. Synth. Catal.*, **359**, 2325-2332.
5. V.G. Tsirkone, K. Dossi, **C. Drakou**, S.E. Zographos, M. Kontou & D.D. Leonidas (2009). Inhibitor design for ribonuclease A: the binding of two 5'-phosphate uridine analogues. *Acta Crystallographica Section F-Structural Biology and Crystallization Communications*, **65**, 671-677.