

**Publications in refereed journals**

1. Christina E. Drakou, Anna Malekkou, Joseph M. Hayes, Carsten W. Lederer, Demetres D. Leonidas, Nikos G. Oikonomakos, Angus I. Lamond, Niovi Santama, and **Zographos SE\*** (2011) "hCINAP is an atypical mammalian nuclear adenylate kinase with an ATPase motif: Structural and functional studies" *Proteins*. ePub 14 September 2011. → [Journal](#) | [PubMed](#)

*JIF*<sup>2010</sup>: 2.813

*PDBs*: [3IIJ](#), [3IIK](#), [3IIL](#) & [3IIM](#)

2. Tsitsanou KE, Thireou T, Drakou CE, Koussis K, Keramioti MV, Leonidas DD, Eliopoulos E, Iatrou K, **Zographos SE\*** (2011) "Anopheles gambiae odorant binding protein crystal complex with the synthetic repellent DEET: implications for structure-based design of novel mosquito repellents" *Cellular Molecular Life Sci*. ePub 14 June 2011. → [Journal](#) | [PubMed](#)

*JIF*<sup>2010</sup>: 7.047

*PDB*: [3N7H](#)

3. Alexacou KM, Zhang YZ, Praly JP, **Zographos SE**, Chrysina ED, Oikonomakos NG, Leonidas DD (2011) "Halogen-substituted (C-β-d-glucopyranosyl)-hydroquinone regioisomers: Synthesis, enzymatic evaluation and their binding to glycogen phosphorylase" *Bioorgan Med Chem* **19**, 5125-5136. → [Journal](#) | [PubMed](#)

*JIF*<sup>2010</sup>: 2.978.

*PDBs*: [3NP7](#), [3NP9](#), [3NPA](#) & [3S0J](#)

4. J.M. Hayes, V.T. Skamnaki, G. Archontis, C. Lamprakis, J. Sarrou, N. Bischler, A-L. Skaltsounis, **S.E. Zographos**, N.G. Oikonomakos (2011) "Kinetics, in silico docking, molecular dynamics and MM-GBSA binding studies on prototype indirubins, KT5720 and staurosporine as phosphorylase kinase ATP-binding site inhibitors: The role of water molecules examined" *Proteins* **79**, 703-719. → [Journal](#) | [PubMed](#)

*Cover Story*



*JIF*<sup>2010</sup>: 2.813

*Publications by Spyros E. Zographos*

5. V.G. Tsirkone, E. Tsoukala, C. Lamprakos, S. Manta, J.M. Hayes, V.T. Skamnaki, C. Drakou, **S.E. Zographos**, D. Komiotis, D.D. Leonidas (2010) "1-(3-Deoxy-3-fluoro-beta-D-glucopyranosyl) pyrimidine derivatives as inhibitors of glycogen phosphorylase b: Kinetic, crystallographic and modelling studies" *Bioorgan Med Chem* **18**, 3413-3425. → [Journal](#) | [PubMed](#)

*JIF*<sup>2010</sup>: 2.978.

*PDBs*: [3L79](#), [3L7A](#), [3L7B](#), [3L7C](#) & [3L7D](#)

6. K.M. Alexacou, A.C. Tenchiu Deleanu, E.D. Chrysina, M.D. Charavgi, I.D. Kostas, **S.E. Zographos**, N.G. Oikonomakos, D.D. Leonidas (2010) "The binding of  $\beta$ -D-glucopyranosyl-thiosemicarbazone derivatives to glycogen phosphorylase: A new class of inhibitors" *Bioorgan Med Chem* **18**, 7911-7922. → [Journal](#) | [PubMed](#)

*JIF*<sup>2010</sup>: 2.978.

*PDBs*: [3MOF](#), [3MTA](#), [3MT7](#), [3MS7](#), [3MTB](#), [3MT8](#), [3MS4](#), [3MSC](#), [3MT9](#), [3NC4](#), [3MRV](#), [3MTD](#), [3MRX](#), [3MS2](#) & [3MRT](#)

7. Dossi K, Tsirkone VG, Hayes JM, Matousek J, Pouckova P, Soucek J, Zadinova M, **Zographos SE**, & Leonidas DD (2009) "Mapping the ribonucleolytic active site of bovine seminal ribonuclease. The binding of pyrimidinyl phosphonucleotide inhibitors" *Eur J Med Chem* **44**, 4496-4508. → [Journal](#) | [PubMed](#)

*JIF*<sup>2009</sup>: 3.269

*PDBs*: [3DJO](#), [3DJP](#), [3DJO](#), [3DJV](#) & [3DJX](#)

8. Benlifa M, Hayes JM, Vidal S, Gueyrard D, Goekjian PG, Praly J-P, Kizilis G, Tiraidis C, Alexacou K-M, Chrysina ED, **Zographos SE**, Leonidas DD, Archontis G & Oikonomakos NG (2009) "Glucose-based Spiro-isoxazolines: A New Family of Potent Glycogen Phosphorylase Inhibitors" *Bioorgan Med Chem* **17**, 7368-7380. → [Journal](#) | [PubMed](#)

*JIF*<sup>2009</sup>: 2.822

*PDBs*: [2ORG](#), [2ORH](#), [2ORM](#), [2ORP](#) & [2ORO](#)

9. Tsirkone VG, Dossi K, Drakou C, **Zographos SE**, Kontou M & Leonidas DD (2009) "Inhibitor design for ribonuclease A: the binding of two 5'-phosphate uridine analogues" *Acta Crystallogr F* **65**, 671-677. → [Journal](#) | [PubMed](#)

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*JIF*<sup>2009</sup>: 0.551

*PDBs*: [3DXG](#) & [3DXH](#)

*Publications by Spyros E. Zographos*

10. Chrysina ED, Bokor E, Alexacou KM, Charavgi MD, Oikonomakos GN, **Zographos SE**, Leonidas DD, Oikonomakos NG & Laszlo S (2009) "Amide-1,2,3-triazole bioisosterism: the glycogen phosphorylase case" *Tetrahedron-Asymmetry* **20**, 733-740. → [Journal](#)

*JIF*<sup>2009</sup>: 2.625

*PDBs*: [3G2H](#), [3G2L](#), [3G2K](#), [3G2I](#), [3G2N](#) & [3G2J](#)

11. Samanta A, Leonidas DD, Dasgupta S, Pathak T, **Zographos SE** & Oikonomakos NG (2009) "Morpholino, Piperidino, and Pyrrolidino Derivatives of Pyrimidine Nucleosides as Inhibitors of Ribonuclease A: Synthesis, Biochemical, and Crystallographic Evaluation" *J Med Chem* **52**, 932-942. → [Journal](#) | [PubMed](#)

*JIF*<sup>2009</sup>: 4.802

*PDBs*: [3D6O](#), [3D6P](#), [3D6Q](#), [3D7B](#), [3D8Y](#) & [3D8Z](#)

12. Wen XA, Sun HB, Liu J, Cheng KG, Zhang P, Zhang LY, Hao J, Ni PZ, **Zographos SE**, Leonidas DD, Alexacou KM, Gimisis T, Hayes JM & Oikonomakos NG (2008) "Naturally occurring pentacyclic triterpenes as inhibitors of glycogen phosphorylase: Synthesis, structure-activity relationships, and X-ray crystallographic studies" *J Med Chem* **51**, 3540-3554. → [Journal](#) | [PubMed](#)

*JIF*<sup>2008</sup>: 4.898

*PDBs*: [2QN1](#) & [2QN2](#)

13. Alexacou KM, Hayes JM, Tiraidis C, **Zographos SE**, Leonidas DD, Chrysina ED, Archontis G, Oikonomakos NG, Paul JV, Varghese B & Loganathan D (2008) "Crystallographic and computational studies on 4-phenyl-N-(beta-D-glucopyranosyl)-1H-1,2,3-triazole-1-acetamide, an inhibitor of glycogen phosphorylase: Comparison with alpha-D-glucose, N-acetyl-beta-D-glucopyranosylamine and N-benzoyl-N'-beta-D-glucopyranosyl urea binding" *Proteins* **71**, 1307-1323. → [Journal](#) | [PubMed](#)

*JIF*<sup>2008</sup>: 3.419

*PDBs*: [2PYD](#) & [2PYI](#)

14. Tiraidis C, Alexacou KM, **Zographos SE**, Leonidas DD, Gimisis T & Oikonomakos NG (2007) "FR258900, a potential anti-hyperglycemic drug, binds at the allosteric site of glycogen phosphorylase" *Protein Sci* **16**, 1773-1782. → [Journal](#) | [PubMed](#)

*JIF*<sup>2007</sup>: 3.135

*PDB*: [2OFF](#)

15. Pantelidou M, **Zographos SE**, Lederer CW, Kyriakides T, Pfaffl MW & Santama N (2007) "Differential expression of molecular motors in the motor cortex of sporadic ALS" *Neurobiol Dis* **26**, 577-589. → [Journal](#) | [PubMed](#)

*JIF*<sup>2007</sup>: 4.377

*NCBI GeneBank*: [AM177178](#), [AM177179](#), [AM177180](#), [AM180763](#), [AM180764](#), [AM180765](#) & [AM231689](#)

*NCBI dbSNP*: [ss52050753](#), [ss52085996](#), [ss65640445](#)

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16. Leonidas DD, Swamy BM, Hatzopoulos GN, Gonchigar SJ, Chachadi VB, Inamdar SR, **Zographos SE** & Oikonomakos NG (2007) "Structural basis for the carbohydrate recognition of the *Sclerotium rolfsii* lectin" *J Mol Biol* 368, 1145-1161. → [Journal](#) | [PubMed](#)

*JIF*<sup>2007</sup>: 4.472

*PDBs*: [2OFC](#), [2OFD](#) & [2OFE](#)

17. Oikonomakos NG, Tiraidis C, Leonidas DD, **Zographos SE**, Kristiansen M, Jessen CU, Norskov-Lauritsen L & Agius L (2006) "Iminosugars as potential inhibitors of glycogenolysis: Structural insights into the molecular basis of glycogen phosphorylase inhibition" *J Med Chem* 49, 5687-5701. → [Journal](#) | [PubMed](#)

*JIF*<sup>2006</sup>: 5.115

*PDBs*: [2G9Q](#), [2G9V](#), [2G9R](#) & [2G9U](#)

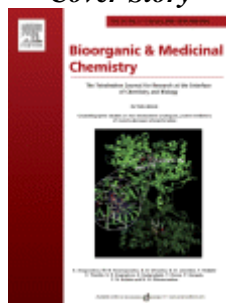
18. Leonidas DD, Maiti TK, Samanta A, Dasgupta S, Pathak T, **Zographos SE** & Oikonomakos NG (2006) "The binding of 3'-N-piperidine-4-carboxyl-3'-deoxy-ara-uridine to ribonuclease A in the crystal" *Bioorgan Med Chem* 14, 6055-6064. → [Journal](#) | [PubMed](#)

*JIF*<sup>2006</sup>: 2.624

*PDBs*: [2G8Q](#) & [2G8R](#)

19. Anagnostou E, Kosmopoulou MN, Chrysina ED, Leonidas DD, Hadjiloi T, Tiraidis C, **Zographos SE**, Gyorgydeak Z, Somsak L, Docsa T, Gergely P, Kolisis FN & Oikonomakos NG (2006) "Crystallographic studies on two bioisosteric analogues, N-acetyl-beta-D-glucopyranosylamine and N-trifluoroacetyl-beta-D-glucopyranosylamine, potent inhibitors of muscle glycogen phosphorylase" *Bioorgan Med Chem* 14, 181-189. → [Journal](#) | [PubMed](#)

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*JIF*<sup>2006</sup>: 2.624

*PDBs*: [1WW2](#) & [1WW3](#)

20. Watson KA, Chrysina ED, Tsitsanou KE, **Zographos SE**, Archontis G, Fleet GWJ & Oikonomakos NG (2005) "Kinetic and crystallographic studies of glucopyranose spirohydantoin and glucopyranosylamine analogs inhibitors of glycogen phosphorylase" *Proteins* 61, 966-983. → [Journal](#) | [PubMed](#)

*JIF*<sup>2005</sup>: 4.684

*PDBs*: [1FS4](#), [1FTQ](#), [1FTW](#), [1FTY](#), [1FU4](#), [1FU7](#) & [1FU8](#)

**Publications by Spyros E. Zographos**

21. Archontis G, Watson KA, Xie Q, Andreou G, Chrysina ED, **Zographos SE**, Oikonomakos NG & Karplus M (2005) "Glycogen phosphorylase inhibitors: A free energy perturbation analysis of glucopyranose spirohydantoin analogues" *Proteins* **61**, 984-998. → [Journal](#) | [PubMed](#)

*JIF*<sup>2005</sup>: 4.684

22. Santama N, Ogg SC, Malekkou A, **Zographos SE**, Weis K & Lamond AI (2005) "Characterization of hCINAP, a novel coilin-interacting protein encoded by a transcript from the transcription factor TAFIIID(32) locus" *J Biol Chem* **280**, 36429-36441. → [Journal](#) | [PubMed](#)

*JIF*<sup>2005</sup>: 5.854

NCBI GeneBank: [AJ878880](#) & [AJ878881](#)

23. Chrysina ED, Oikonomakos NG, **Zographos SE**, Kosmopoulou MN, Bischler N, Leonidas DD, Kovacs L, Docsa T, Gergely P & Somsak L (2003) "Crystallographic studies on alpha- and beta-D-glucopyranosyl formamide analogues, inhibitors of glycogen phosphorylase" *Biocatal Biotransfor* **21**, 233-242. → [Journal](#)

*JIF*<sup>2003</sup>: 1.085

PDBs: [1P4G](#), [1P4H](#) & [1P4J](#)

24. Oikonomakos NG, **Zographos SE**, Skamnaki VT & Archontis G (2002) "The 1.76 angstrom resolution crystal structure of glycogen phosphorylase B complexed with glucose, and CP320626, a potential antidiabetic drug" *Bioorgan Med Chem* **10**, 1313-1319. → [Journal](#) | [PubMed](#)

*JIF*<sup>2002</sup>: 2.043

PDB: [1H5U](#)

25. Oikonomakos NG, Kosmopoulou M, **Zographos SE**, Leonidas DD, Chrysina ED, Somsak U, Nagy V, Praly JP, Docsa T, Toth A & Gergely P (2002) "Binding of N-acetyl-N'-beta-D-glucopyranosyl urea and N-benzoyl-N'-beta-D-glucopyranosyl urea to glycogen phosphorylase b-Kinetic and crystallographic studies" *Eur J Biochem* **269**, 1684-1696. → [Journal](#) | [PubMed](#)

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*JIF*<sup>2002</sup>: 2.999

PDBs: [1K06](#), [1K08](#) & [1KTI](#)

26. Oikonomakos NG, Schnier JB, **Zographos SE**, Skamnaki VT, Tsitsanou KE & Johnson LN (2000) "Flavopiridol inhibits glycogen phosphorylase by binding at the inhibitor site" *J Biol Chem* **275**, 34566-34573. → [Journal](#) | [PubMed](#)

*JIF*<sup>2000</sup>: 7.368

PDBs: [1C8K](#), [1E1Y](#) & [1GFZ](#)

*Publications by Spyros E. Zographos*

27. Oikonomakos NG, Tsitsanou KE, **Zographos SE**, Skamnaki VT, Goldmann S & Bischoff H (1999). Allosteric inhibition of glycogen phosphorylase a by the potential antidiabetic drug 3-isopropyl 4-(2-chlorophenyl)-1,4-dihydro-1-ethyl-2-methyl-pyridine-3,5,6-tricarboxylate. *Protein Science* **8**, 1930-1945. → [Journal](#) | [PubMed](#)

*JIF*<sup>1999</sup>: 4.457

PDBs: [2GPA](#) & [3AMV](#)

28. Tsitsanou KE, Oikonomakos NG, **Zographos SE**, Skamnaki VT, Gregoriou M, Watson KA, Johnson LN & Fleet GWJ (1999). Effects of commonly used cryoprotectants on glycogen phosphorylase activity and structure. *Protein Science* **8**, 741-749. → [Journal](#) | [PubMed](#)

*Cover Story*



*JIF*<sup>1999</sup>: 4.457

PDBs: [1B4D](#) & [1BX3](#)

29. Heightman TD, Vasella A, Tsitsanou KE, **Zographos SE**, Skamnaki VT & Oikonomakos NG (1998). Cooperative interactions of the catalytic nucleophile and the catalytic acid in the inhibition of beta-glycosidases. Calculations and their validation by comparative kinetic and structural studies of the inhibition of glycogen phosphorylase b. *Helvetica Chimica Acta* **81**, 853-864. → [Journal](#)

*JIF*<sup>1998</sup>: 2.463

PDB: [1AXR](#)

30. Krulle T, delaFuente C, Pickering L, Aplin RT, Tsitsanou KE, **Zographos SE**, Oikonomakos NG, Nash RJ, Griffiths RC & Fleet GWJ (1997). Triazole carboxylic acids as anionic sugar mimics? Inhibition of glycogen phosphorylase by a D-glucotriazole carboxylate. *Tetrahedron-Asymmetry* **8**, 3807-3820. → [Journal](#)

*JIF*<sup>1997</sup>: 2.499

31. **Zographos SE**, Oikonomakos NG, Tsitsanou KE, Leonidas DD, Chrysina ED, Skamnaki VT, Bischoff H, Goldmann S, Watson KA & Johnson LN (1997). The structure of glycogen phosphorylase b with an alkyl-dihydropyridine-dicarboxylic acid compound, a novel and potent inhibitor. *Structure* **5**, 1413-1425. → [Journal](#) | [PubMed](#)

*JIF*<sup>1997</sup>: 7.633

PDB: [2AMV](#)

*Publications by Spyros E. Zographos*

32. delaFuente C, Krulle TM, Watson KA, Gregoriou M, Johnson LN, Tsitsanou KE, **Zographos SE**, Oikonomakos NG & Fleet GWJ (1997). Glucopyranose spirohydantoins: Specific inhibitors of glycogen phosphorylase. *Synlett* **5**, 485-487. → [Journal](#)

*JIF*<sup>1997</sup>: 2.646

33. Krulle TM, delaFuente C, Watson KA, Gregoriou M, Johnson LN, Tsitsanou KE, **Zographos SE**, Oikonomakos NG & Fleet GWJ (1997). Stereospecific synthesis of spirohydantoins of  $\beta$ -glucopyranose: Inhibitors of glycogen phosphorylase. *Synlett*, 211-213. → [Journal](#)

*JIF*<sup>1997</sup>: 2.646

34. Oikonomakos NG, **Zographos SE**, Tsitsanou KE, Johnson LN & Acharya KR (1996). Activator anion binding site in pyridoxal phosphorylase b: The binding of phosphite, phosphate, and fluorophosphate in the crystal. *Protein Science* **5**, 2416-2428. → [Journal](#) | [PubMed](#)

*JIF*<sup>1996</sup>: 4.867

*PDBs*: [2SKC](#), [2SKD](#) & [2SKE](#)

35. Brandstetter TW, delaFuente C, Kim YH, Johnson LN, Crook S, Lilley P, Watkin DJ, Tsitsanou KE, **Zographos SE**, Chrysina ED, Oikonomakos NG & Fleet GWJ (1996). Glucofuranose analogues of hydantocidin. *Tetrahedron* **52**, 10721-10736. → [Journal](#)

*JIF*<sup>1996</sup>: 2.232

36. Brandstetter TW, Wormald MR, Dwek RA, Butters TD, Platt FM, Tsitsanou KE, **Zographos SE**, Oikonomakos NG & Fleet GWJ (1996). A galactopyranose analogue of hydantocidin. *Tetrahedron-Asymmetry* **7**, 157-170. → [Journal](#)

*JIF*<sup>1996</sup>: 2.382

37. Oikonomakos NG, **Zographos SE**, Johnson LN, Papageorgiou AC & Acharya KR (1995). The binding of 2-deoxy-glucose-6-phosphate to glycogen phosphorylase *b*: kinetic and crystallographic studies. *Journal of Molecular Biology* **254**, 900-917. → [Journal](#) | [PubMed](#)

*JIF*<sup>1995</sup>: 5.346

*PDB*: [2PRI](#).

38. Oikonomakos NG, Kontou M, **Zographos SE**, Watson KA, Johnson LN, Bichard CJF, Fleet GWJ & Acharya KR (1995). N-acetyl- $\beta$ -D-glucopyranosylamine: a potent T state inhibitor of glycogen phosphorylase. A comparison with  $\alpha$ -D-glucose. *Protein Science* **4**, 2469-2477. → [Journal](#) | [PubMed](#)

*JIF*<sup>1995</sup>: 4.806

*PDB*: [2PRJ](#)

## *Publications by Spyros E. Zographos*

39. Krulle TM, Watson KA, Gregoriou M, Johnson LN, Crook S, Watkin DJ, Griffiths RC, Nash RJ, Tsitsanou KE, **Zographos SE**, Oikonomakos NG & Fleet GWJ (1995). Specific inhibition of glycogen phosphorylase by a spirodiketopiperazine at the anomeric position of glucopyranose. *Tetrahedron Letters* **36**, 8291-8294. → [Journal](#)

*JIF*<sup>1995</sup>: 2.257

40. **Zographos SE**, Oikonomakos NG, Dixon HBF, Griffin WG, Johnson LN & Leonidas DD (1995). Sulphate-activated phosphorylase *b*: the pH-dependence of catalytic activity. *Biochemical Journal* **310**, 565-570. → [Journal](#) | [PubMed](#)

*JIF*<sup>1995</sup>: 4.159

41. Watson KA, Mitchell EP, Johnson LN, Cruciani G, Son JC, Bichard CJF, Fleet GWJ, Oikonomakos NG, Kontou M & **Zographos SE** (1995). Glucose analogue inhibitors of glycogen phosphorylase: from crystallographic analysis to drug prediction using GRID force-field and GOLPE variable selection. *Acta Crystallographica* **D51**, 458-472. → [Journal](#) | [PubMed](#)

*JIF*<sup>1995</sup>: 4.029

42. Bichard CJF, Mitchell EP, Wormald MR, Watson KA, Johnson LN, **Zographos SE**, Koutra DD, Oikonomakos NG & Fleet GWJ (1995). Potent inhibition of glycogen phosphorylase by a spirohydantoin of glucopyranose: first pyranose analogues of hydantocidin. *Tetrahedron Letters* **36**, 2145-2148. → [Journal](#)

*JIF*<sup>1995</sup>: 2.257

43. Oikonomakos NG, Kontou M, **Zographos SE**, Tsitoura HS, Johnson LN, Watson KA, Mitchell EP, Fleet GWJ, Son JC, Bichard CJF, Leonidas DD & Acharya KR (1994). The design of potential antidiabetic drugs: Experimental investigation of a number of  $\beta$ -D-glucose analogue inhibitors of glycogen phosphorylase. *Eur J Drug Metab Pharmacokinet* **19**, 185-192. → [Journal](#) | [PubMed](#)

*JIF*<sup>1994</sup>: 0.489

## **Reviews/Chapters in books**

1. Somsak L, Czifrak K, Toth M, Bokor E, Chrysina ED, Alexacou KM, Hayes JM, Tiraidis C, Lazoura E, Leonidas DD, **Zographos SE** & Oikonomakos NG (2008). New inhibitors of glycogen phosphorylase as potential antidiabetic agents (**Review**). *Current Medicinal Chemistry* **15**, 2933-2983. → [Journal](#) | [PubMed](#)

*JIF*<sup>2008</sup>: 4.823

2. N.G. Oikonomakos, E.D. Chrysina, C. Tiraidis, D.D. Leonidas, **S.E. Zographos** (2007). Conformation flexibility of the 280s peptide loop in glycogen phosphorylase: implications for inhibitor design. In *5th Hellenic Forum on Bioactive Peptides* (Cordopatis, P., Manessi-Zoupa, E.; Pairas, G. N.; eds.), Typorama, Patras, Vol.5, pp. 283-289. ISBN: 960-7620-32-1. → [Publisher](#)

## *Publications by Spyros E. Zographos*

3. N.G. Oikonomakos, M. N. Kosmopoulou, D. D. Leonidas, E. D. Chrysina, C. Tiraidis, N. Bischler, K. E. Tsitsanou, **S. E. Zographos**, I. D. Kostas, and G. Eisenbrand (2006). Indirubin and indigo analogues as potential inhibitors of glycogenolysis: structural basis of glycogen phosphorylase inhibition. In *Indirubin, the red shade of indigo* (Meijer L., Guyard N., Skaltsounis L. & Eisenbrand G., eds) Editions "Life in Progress", Station Biologique, Roscoff, Chapter 18, pp. 177-189. ISBN: 2-9518029-0-0. → [Publisher](#)
4. Tsitsanou, K.E., **Zographos, S.E.**, Skamnaki, V.T. & Oikonomakos, N.G. (1999). Molecular recognition in glycogen phosphorylase inhibitor design (**Review**). *Review of Clinical Pharmacology and Pharmacokinetics*, International edition, Pharmakon Press 13, 9-25. → [Publisher](#)
5. Mitchell, E.P., Watson, K.A., Bichard, C.J.F., Fleet, G.W.J., **Zographos, S.E.**, Oikonomakos, N.G., Board, M. & Johnson, L.N. (1995). Concepts, difficulties and progress in structure based drug design. In *Making the Most of your Model* (Proceedings of the CCP4 Study Weekend, 6-7 January 1995 (Compiled by Hunter, W.N., Thornton, J.M. & Bailey, S.)), CCL Daresbury Laboratory, pp. 111-119. → [PDF](#)
6. Oikonomakos, N.G., Kontou, M., **Zographos, S.E.**, Koutra, D.D., Johnson, L.N., Watson, K.A., Mitchell, E.P., Fleet, G.W.J., Son, J.C. & Bichard, C.J.F. (1994). The design of potential antidiabetic drugs:  $\beta$ -D-glucose analogue inhibitors of glycogen phosphorylase (**Review**). *Review of Clinical Pharmacology and Pharmacokinetics*, International edition, Pharmakon Press 12, 103-122. → [Publisher](#)

## **Short communications**

1. Katerina E. Tsitsanou, Christina E. Drakou, Maria Keramioti and **Spyros E. Zographos** (2010). Crystal structure of odorant binding protein 4 from *Anopheles gambiae* complexed with *N*-Phenyl-1-Inaphthylamine. *MAX-lab Activity Report 2010*, pp. 382-383. → [Report Online](#)
2. V.T. Skamnaki, A. Katsandi, S. Manta, E. Tsoukala, **S.E. Zographos**, M. Kontou, P. Zoumpoulakis, D. Komiotis and D.D. Leonidas (2010). The binding of 1-( $\beta$ -D-glucopyranosyl) pyrimidine derivatives to Glycogen phosphorylase b. *MAX-lab Activity Report 2010*, pp. 374-375. → [Report Online](#)
3. Katerina E. Tsitsanou, Christina E. Drakou and **Spyros E. Zographos** (2009). The structure of odorant binding protein 4 from *Anopheles gambiae*. *MAX-lab Activity Report 2009*, pp. 374-375. → [Report Online](#)

PDBs: [3N88](#), [3N8A](#) & [3N8C](#)

4. **Zographos SE**, Leonidas DD, Alexacou KM, Gimisis T, Hayes JM, Oikonomakos NG, Wen X, Sun H, Liu J, Cheng K, Zhang P, Zhang L, Hao J & Ni P (2008). Pentacyclic triterpenes, inhibitors of glycogen phosphorylase, as potential drugs for type 2 diabetes: X-ray crystallographic studies. *Planta Medica* 74, 1146-1147. → [Journal](#)

JIF<sup>2008</sup>: 1.960

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5. **Spyros E. Zographos**, Christina E. Drakou, Anna Malekkou, Niovi Santama, Joseph M. Hayes, Demetres D. Leonidas, Angus I. Lamond, A. Siafaka-kapadai and Nikos G. Oikonomakos (2008). Crystal Structure of the nuclear factor hCINAP in complex with ADP refined to 1.8 Å resolution: Insights into the function of hCINAP. *MAX-lab Activity Report 2008*, pp. 412-413. → [Report Online](#)
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