

Name : Vasiliki T. Skamnaki
Date of Birth: 3 December 1971
Place of Birth: Athens, Greece
Nationality: Greek
Home address: Patr. Gregoriou 5th. 3, Larisa 42222 Greece
Work address: Department of Biochemistry and Biotechnology, University of Thessaly, Biopolis 41500, Larisa, Greece
E-mail: vskamnaki@bio.uth.gr
Τηλ: +30 2410 565267.

Education

1995 BSc. Hons in Biochemistry. Department of Biochemistry and Molecular Biology, UCL, University of London.(acquisition date 30 August 1995)

2002 PhD Thesis. Department of Biology. National and Capodistrian University of Athens.

Appointments :

2013 University Lecturer (Biochemistry-Metabolism). Department of Biochemistry and Biotechnology, University of Thessaly, Larisa, Greece

2012. Invited Professeur at Pierre and Marie Curie University of Paris 6, Sorbonne Universities.(July 2012, July 2013).

2009-2011 Postdoctoral Researcher Institute of Organic and Pharmaceutical Chemistry (IOPC), National Hellenic Research Foundation (NHRF), Athens Greece.

2006-2008 Postdoctoral Researcher. Institute of Biology, NCSR Demokritos, Athens, Greece.

2002-2006 Postdoctoral Researcher. Laboratory of Molecular Biophysics. University of Oxford, UK.

1995-2001 Research Assistant. Institute of Biological Research and Biotechnology (IBRB), National Hellenic Research Foundation (NHRF), Athens, Greece

Research Interests

Study of protein structure-function relationships by applying modern biochemical techniques, biophysical methods of structural biology and protein crystallography. My research interests are focused on the study of molecular recognition mechanisms and structure –function relationships of enzymes controlling metabolic pathways of glycogenolysis and gluconeogenesis in order to elucidate their regulation mechanisms

Participation in European Research Projects

- Carbohydrate recognition and control by glycogen phosphorylase and other enzymes of carbohydrate metabolism and the design of potential antidiabetic drugs, EEC BIOTECHNOLOGY (1994-1996). A collaborative research programme with 6 participating laboratories. N° BIO2-CT94-3025.

- Crystallographic studies on glycogen phosphorylase-inhibitor complexes, Use of the Synchrotron Radiation Source in DORIS, EMBL, Hamburg, Germany (under the European Community Large Scale Facilities Programme), PX-95-238 (1995), PX-96-41 (1996), PX-97-6 (1997).
- Cryo-crystallographic studies of glycogen phosphorylase-inhibitor complexes, Use of the Synchrotrone Trieste, Trieste, Italy, 209/96 (1996), 129/97 (1997).
- Structure / function relationships in enzymes of glycogen metabolism, Welcome Trust Biomedical Research Collaboration Grant (with the Laboratory of Molecular Biophysics, University of Oxford) 1997-2000.
- Calmodulin regulated protein kinases: an integrated and multidisciplinary approach on the molecular and cellular function of five prototypic members (CAMKIN 2002-2006 The European Commission Improving Human Potential & the socio-economic knowledgebase)
- Functional interactions of apolipoprotein with the ABCA1 lipid transporter and the SR B1 HDL receptor that affect cholesterol homeostasis in circulation and brain (Apolipoprotein E). code E.E 1331.(Institute of Biology NCSR Demokritos, Athens, Greece)
- European consolidation and promotion of research capacity in the area of structure-based drug design (EUROSTRUCT-grant agreement 230146) CSA-SA_FP7-REGPOT-2008-1,SP4-Capacities Coordination and Support Actions, Support Actions)

Scientific activities

Member of the Hellenic Crystallographic Association (in 2016 elected Vice-President)

Member of the Biochemical Society, UK

Member of the Hellenic Society of Biochemistry and Molecular Biology

Registered user of Synchrotron Radiation Source EMBL-Hamburg Outstation Elettra-Trieste, ESRF-Grenoble Outstation and MAX-lab Lund Synchrotron Radiation Facility.

Publications

Publications (peer reviewed): 37

Citations 1169

Annual Reports in Synchrotron Radiation Sites: 4

Reviews : 1

Book chapters: 1

Proceedings:32

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BOOKCHAPTERS

Skamnaki V.T., Kantsadi A.L., Chatzileontiadou D.S.M., Stravodimos G.A, Leonidas D.D. Glycogen Metabolism Enzymes as Molecular Targets for Drug Development. In "Glycogen: Structure, Functions in the Body and Role in Disease", edited by Pedro L. Weiss and Brian D. Faulkner: Biochemistry Research Trends, 2013

REVIEWS

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*, **13**, 9-25.

PUBLICATIONS

1. Kyriakis, E., Solovou, T. G. A., Kun, S., Czifrák, K., Szócs, B., Juhász, L., Bokor, E., Stravodimos, G.A.; Kantsadi, A. L., Chatzileontiadou, D. S., **Skamnaki V. T.**, M.,

- Somsák, L., Leonidas, D. D. (2018) Probing the β -pocket of the active site of human liver glycogen phosphorylase with 3-(C- β -Dglucopyranosyl)-5-(4-substituted-phenyl)-1,2,4-triazole inhibitors. *Bioorg Chem.* Apr;77:485-493 [IF:3.231]
2. Kun, S., Begum, J., Kyriakis, E., Stamati, E.C.V., Barkas, T.A., Szennyes, E., Bokor, É., Szabó, KE, Stravodimos, G.A., Sipos, Á., Docsa, T., Gergely, P., Moffatt, C., Patraskaki, M.S., Kokolaki, M.C., Gkerdi, A., **Skamnaki, V.T.**, Leonidas, D.D., Somsák, L., Hayes, J.M. (2018) A multidisciplinary study of 3-(β -d-glucopyranosyl)-5-substituted-1,2,4-triazole derivatives as glycogen phosphorylase inhibitors: Computation, synthesis, crystallography and kinetics reveal new potent inhibitors. *Eur J Med Chem.* 2018 Mar 10;147:266-278.[IF:4.519]
 3. Chatzileontiadou DS, Tsika AC, Diamantopoulou Z, Delbé J, Badet J, Courty J, **Skamnaki VT**, Parmenopoulou V, Komiotis D, Hayes JM, Spyroulias GA, Leonidas DD. (2018) Evidence for novel action at the cell-binding site of human angiogenin revealed by heteronuclear NMR spectroscopy, insilico and invivo studies *ChemMedChem.* Volume: 13 Issue: 3 Pages: 259-269Jan . [IF: 3.225]
 4. Bokor, E.,Kyriakis, E., Solovou, T.G.A., Koppány, C., Kantsadi, A.L., Szabó, K.E., Szakács, A., Stravodimos, G.A., Docsa, T., **Skamnaki, V.T.**, Zographos, S.E., Gergely, P., Leonidas, D.D., Somsák, L. (2017) Nanomolar Inhibitors of Glycogen Phosphorylase Based on beta-D-Glucosaminyl Heterocycles: A Combined Synthetic, Enzyme Kinetic, and Protein Crystallography Study *J Med Chem.* 60, 9251-9262. [IF:6.259]
 5. Stravodimos, G.A., Kantsadi, A.L., Apostolou, A., Kyriakis, E., Kafaski-Kanelli, V.N., Solovou, T.G.A., Gatzona, P., Liggri, P.C., Theofanous, S., Gorgogietas, V.A., Kissa, A., Psachoula, C., Chatzileontiadou, D.S.M., Lemonakis, A., Psarra, A.G., **Skamnaki, V.T.**, Haroutounian, S., Leonidas, D.D. (2017) Affinity crystallography reveals the most bioactive ingredients of polyphenolic extracts *Punica granatum* against glycogen phosphorylase., *Curr. Drug Disc. Technol.* 14(4):1570-1638. [IF: 4.77 (RG)]
 6. Chatzileontiadou DS, Tsirkone VG, Dossi K, Kassouni AG, Liggri PG, Kantsadi AL, Stravodimos GA, Balatsos NA, **Skamnaki VT**, Leonidas DD. (2016). The ammonium sulphate inhibition of human angiogenin. *FEBS Lett.* Sep;590(17):3005-18. [IF: 3.623]
 7. Stravodimos GA, Chetter BA, Kyriakis E, Kantsadi AL, Chatzileontiadou DS, **Skamnaki VT**, Kato A, Hayes JM, Leonidas DD. (2016) Phytogenic polyphenols as glycogen phosphorylase inhibitors: the potential of triterpenes and flavonoids for glycaemic control in type 2 diabetes. *Curr. Med. Chem.* 24, 384-403 [IF: 3.249]
 8. Begum J, **Skamnaki VT**, Moffatt C, Bischler N, Sarrou J, Skaltsounis AL, Leonidas DD, Oikonomakos NG, Hayes JM. 2015 An evaluation of indirubin analogues as phosphorylase kinase inhibitors. *J Mol Graph Model.*Sep;61:231-42 3. [IF: 1,674]
 9. Peppas VI, Venkat H, Kantsadi AL, Inamdhar SR, Bhat GG, Eligar S, Shivanand A, Chachadi VB, Satisha GJ, Swamy BM, **Skamnaki VT**, Zographos SE, Leonidas DD. (2015) Molecular Cloning, Carbohydrate Specificity and the Crystal Structure of Two *Sclerotium rolfsii* Lectin Variants. *Molecules.*Jun 12;20(6):10848-65. [IF: 2,465]

10. Kyriakis E, Stravodimos GA, Kantsadi AL, Chatzileontiadou DS, **Skamnaki VT**, Leonidas DD. (2015) Natural flavonoids as antidiabetic agents. The binding of gallic and ellagic acids to glycogen phosphorylase b. *FEBS Lett.* July 8;589(15):1787-94. **[IF:3,519]**

11. Kantsadi AL, Apostolou A, Theofanous S, Stravodimos GA, Kyriakis E, Gorgogietas VA, Chatzileontiadou DS, Pegiou K, **Skamnaki VT**, Stagos D, Kouretas D, Psarra AM, Haroutounian SA, Leonidas DD. 2014 Biochemical and biological assessment of the inhibitory potency of extracts from vinification byproducts of *Vitis vinifera* extracts against glycogen phosphorylase. *Food Chem Toxicol.* (2014) May;67:35-43. **[IF: 2.895]**

12. **Skamnaki VT**, Peumans WJ, Kantsadi AL, Cubeta MA, Plas K, Pakala S, Zographos SE, Smaghe G, Nierman WC, Van Damme EJ, Leonidas DD.(2012) Structural analysis of the *Rhizoctonia solani* agglutinin reveals a domain-swapping dimeric assembly. *FEBS J.* 2013 Apr;280(8):1750-63. **[IF: 3.986]**

13. Parmenopoulou V, Chatzileontiadou DS, Manta S, Bougiatioti S, Maragozidis P, Gkaragkouni DN, Kaffesaki E, Kantsadi AL, **Skamnaki VT**, Zographos SE, Zounpoulakis P, Balatsos NA, Komiotis D, Leonidas DD.(2012) Triazole pyrimidine nucleosides as inhibitors of Ribonuclease A. Synthesis, biochemical, and structural evaluation. *Bioorg Med Chem.* 2012 Dec 15;20(24):7184-93. **[IF: 2,903]**

14. Kantsadi AL, Manta S, Psarra AM, Dimopoulou A, Kiritsis C, Parmenopoulou V, **Skamnaki VT**, Zounpoulakis P, Zographos SE, Leonidas DD, Komiotis D.(2012) The binding of C5-alkynyl and alkylfurano[2,3-d]pyrimidine glucopyranonucleosides to glycogen phosphorylase b: synthesis, biochemical and biological assessment. *Eur J Med Chem.* 2012 Aug;54:740-9. **[IF: 3,499]**

15. Manta S, Xipnitou A, Kiritsis C, Kantsadi AL, Hayes JM, **Skamnaki VT**, Lamprakis C, Kontou M, Zounpoulakis P, Zographos SE, Leonidas DD, Komiotis D. (2012) ¹-axial CH₂ OH substitution on glucopyranose does not increase glycogen phosphorylase inhibitory potency. QM/MM-PBSA calculations suggest why. *Chem Biol Drug Des.* May;79(5):663-73. **[IF: 2,469]**

16. Kantsadi AL, Hayes JM, Manta S, **Skamnaki VT**, Kiritsis C, Psarra AM, Koutsogiannis Z, Dimopoulou A, Theofanous S, Nikoleousakos N, Zounpoulakis P, Kontou M, Papadopoulos G, Zographos SE, Komiotis D, Leonidas DD. (2012) The σ -hole phenomenon of halogen atoms forms the structural basis of the strong inhibitory potency of C5 halogen substituted glucopyranosyl nucleosides towards glycogen phosphorylase b. *ChemMedChem.* Apr;7(4):722-32. **[IF:2,835]**

17. Argyri L, **Skamnaki V**, Stratikos E, Chroni A. (2011) A simple approach for human recombinant apolipoprotein E4 expression and purification. *Protein Expr Purif.* Oct;79(2):251-7. **[IF: 1,587]**

18. Hayes JM, **Skamnaki VT**, Archontis G, Lamprakis C, Sarrou J, Bischler N, Skaltsounis AL, Zographos SE, and Oikonomakos NG (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: Structure, Function & Bioinformatics* 79, 703-719. **[IF: 3,392]**
19. Tsirkone, V., Tsoukala, E., Lamprakis, C., Manta, S., Hayes, J.M., **Skamnaki, V.**, Drakou, C., Zographos, S., Komiotis, D. & Leonidas, D. (2010). 1-(3-Deoxy-3-fluoro-beta-d-glucopyranosyl) pyrimidine derivatives as inhibitors of glycogen phosphorylase b: Kinetic, crystallographic and modelling studies. *Bioorg. Med Chem* 15;18(10):3413-25. **[IF: 2,978]**
20. Venien-Bryan, C., Jonic, S., **Skamnaki, V.**, Brown, N., Bischler, N., Oikonomakos, N., Boisset, N & Johnson, L.N. (2009). The structure of phosphorylase kinase holoenzyme at 9.9 angstroms resolution and location of the catalytic subunit and the substrate glycogen phosphorylase. *Structure* 17, 117-127. **[IF: 5,904]**
21. Brown, N., Petri, E., Lowe, E.D., **Skamnaki, V.**, Antrobus, R. & Johnson, L.N. (2007). Cyclin B and cyclin A confer different substrate recognition properties on CDK2. *Cell Cycle*, 6, 1350-1359. **[IF: 3,314]**
22. Cheng, K., Noble, M.E.M., **Skamnaki, V.**, Brown, N. R., Lowe, E.D., Kontogiannis, L., Shen, K., Cole, P.A., Siligardi, G. & Johnson, L.N. (2006). *J. Biol. Chem.* 281 (32):23167-79. **[IF: 5,808]**
23. Davies, K.M., **Skamnaki, V.**, Johnson, L.N & Venien-Bryan, C. (2006) Structural and functional studies of the response regulator HupR. *J. Mol. Biol.* 359 (2): 453-63. **[IF: 4,890]**
24. Honda, R., Lowe, E.D., Dubinina, E., **Skamnaki, V.T.**, Brown, N. & Johnson, L.N. (2005) The structure of cyclin E1/CDK2: implications for CDK2 activation and CDK2-independent roles. *EMBO J*, 24, 452-463. **[IF: 10,053]**
25. Cook, A., Lowe, E.D., Chrysina E.D., **Skamnaki, V.T.**, Oikonomakos, N.G. & Johnson, L.N. (2002). Structural studies on phospho-CDK2/cyclin A bound to nitrate, a transition state analogue: implications for the protein kinase mechanism. *Biochemistry*, 41, 7301-7311. **[IF: 4,064]**
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27. Oikonomakos, N.G., **Skamnaki, V.T.**, Osz, E., Szilagy, L., Somsak L., Docsa, T., Toth, B. & Gergely, P. (2002). Kinetic and crystallographic studies of glucopyranosylidene spirothiohydantoin binding to glycogen phosphorylase B. *Bioorg. Med. Chem.*, 10, 261-268. **[IF: 2,051]**

28. **Skamnaki, V.T.** & Oikonomakos, N.G. (2000). Kinetic characterization of the double mutant R148A/E182S of glycogen phosphorylase kinase catalytic subunit: the role of the activation loop.*J. Protein Chem.* 6, 499-505. **[IF: 0,745]**

29. Tsitsanou, K.E., **Skamnaki, V.T.** & Oikonomakos, N.G. (2000). Structural basis of the synergistic inhibition of glycogen phosphorylase a by caffeine and a potential antidiabetic drug.*Arch. Biochem. Biophys.* 2, 245-254. **[IF: 2,576]**

30. Oikonomakos, N.G., Schnier, J.B., Zographos, S.E., **Skamnaki, V.T.**, Tsitsanou, K.E. & Johnson, L.N. (2000). Flavopiridol inhibits glycogen phosphorylase by binding at the inhibitor site.*J. Biol. Chem.*,3, 34566-73. **[IF: 7,368]**

31. Oikonomakos, N.G., **Skamnaki, V.T.**, Tsitsanou, K.E., Gavalas, N.G. & Johnson, L.N. (2000). A new allosteric site in glycogen phosphorylase b as a target for drug interactions.*Structure* 8, 575584. **[IF: 6,681]**

32. **Skamnaki, V.T.**, Owen, D.J., Noble, M.E.M., Lowe, E.D., Oikonomakos, N.G. & Johnson, L.N. (1999). Catalytic mechanism of phosphorylase kinase probed by mutational studies.*Biochemistry*, 38, 14718-14730 (selected bibliography Biochemistry by Stryer). **[IF: 4,493]**

33. Oikonomakos, N.G., Tsitsanou, K.E., Zographos, S.E., **Skamnaki, V.T.**, 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-methylpyridine-3,5,6-tricarboxylate.*Protein Sci.* 8, 1930-1945. **[IF: 4,457]**

34. Tsitsanou, K.E., Oikonomakos, N.G., Zographos, S.E., **Skamnaki, V.T.**, Gregoriou, M., Watson, K.A., Johnson, L.N. & Fleet, G.W.J. (1999). Effects of commonly used cryoprotectants on glycogen phosphorylase activity and structure.*Protein Sci.* 8, 741-749 (cover) **[IF: 4,457]**

35. Heightman, T.D., Vasella, A., Tsitsanou, K.E., Zographos, S.E., Skamnaki, V.T. & Oikonomakos, N.G. (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.*Helv. Chim. Acta*, 81, 853-864 **[IF: 2.463]**

36. Lowe, E.D., Noble, M.E.M., **Skamnaki, V.T.**, Oikonomakos, N.G., Owen, D.J. & Johnson, L.N. (1997). The crystal structure of a phosphorylase kinase peptide substrate complex: kinase substrate recognition. *EMBO J.* 16, 6646-6658 (selected bibliography in Biochemistry by Stryer). **[IF: 12,643]**

37. Zographos, S.E., Oikonomakos, N.G., Tsitsanou, K.E., Leonidas, D.D., Chrysina, E.D., **Skamnaki, V.T.**, Bischoff, H., Goldman, S., Schram, M., Watson, K.A. & Johnson, L.N. (1997). Effects of commonly used cryoprotectants on glycogen phosphorylase

activity and structure. *Structure* 5, 1413-1425. [IF: 7,633]

ANNUAL REPORTS IN SYNCHROTRON RADIATION SITES

Oikonomakos, N.G., Tsitsanou, K.E., **Skamnaki, V.T.**, and Zographos, S.E. (1999). Glycogen phosphorylase: a molecular target for structure assisted drug design. In EMBL, Hamburg Outstation, Annual Report 1999, 114-115

Oikonomakos, N.G., Zographos, S.E., **Skamnaki, V.T.**, and Tsitsanou, K.E. (2000). Structural studies on glycogen phosphorylase complexes with potent inhibitors of the enzyme: the binding of flavopiridol. Crystallographic studies of a very potent inhibitor of glycogen phosphorylase. In EMBL, Hamburg Outstation, Annual Report 2000, 197-198.

Oikonomakos, N.G., Zographos, S.E., **Skamnaki, V.T.**, and Archontis, G. (2001). Structural comparison between the crystal structures of muscle glycogen phosphorylase b and liver glycogen phosphorylase a complexed with indole-2-carboxamide inhibitors, potential antidiabetic drugs. In EMBL, Hamburg Outstation, Annual Report, 2001, 237-238.

Anastasi, E., Zographos, S., **Skamnaki, V.**, Leonidas, D., Kardarakis, R., Kovarev, P., Svergun, D., Schmoll, D., Defossa, E. & Oikonomakos, N. (2006). Small Angle X-ray Scattering of human glucokinase in complex with a potent activator In EMBL, Hamburg Outstation, Annual Report, 2006, 367-368.

CONFERENCE ABSTRACTS

1. **Skamnaki, V.T.**, Owen, D.J., Noble, M.E.M., Lowe, E., Oikonomakos, N.G. & Johnson, L.N. (1999). Mutational studies on phosphorylase kinase. (26th Meeting of the Federation of European Biochemical Societies, Nice 19 - 24 June 1999) *Biochimie*, **81**, s264. (poster)
2. **Skamnaki, V.T.**, Owen, D.J., Noble, M.E.M., Lowe, E., Oikonomakos, N.G. & Johnson, L.N. (1999). Mutational studies on phosphorylase kinase (PhK): The role of the activation segment and the catalytic aspartate in PhK catalysis. (50th Conf. of the Hellenic Biochem. and Biophys. Soc.) *Biochem. Biophys. Newsletter* **45**, 13-14.
3. **Skamnaki, V.T.**, Cook, A., Johnson, L.N. (2004) Glycogen phosphorylase kinase (PhK) as molecular target for antidiabetic drugs. Book of Abstracts Π₆-49. 11^o Πανελλήνιο Συμπόσιο Φαρμακευτικής Χημείας, Πάτρα 23-24 Ιανουαρίου 2004.
4. Johnson, L.N., Brown, N., Honda, R., Lolli, g., Lowe, E.D. & **Skamnaki V.** (2005). Protein kinase substrate recognition and regulation. *Signal Transduction in cancer*
5. Vol 16, p75. The Proceedings of the 2005 Miami Nature Biotechnology Winter Meeting, Miami, Florida 5-9 February 2005.
6. Bischler N, Jonic S, **Skamnaki V**, Oikonomakos N, Johnson L, Boisset N, and Vénien-Bryan C. Three-dimensional structure of phosphorylase kinase at 10 Å resolution - Localisation of individual subunits, Gordon Research Conference on Three Dimensional Electron Microscopy, June 25-30, 2006, Il Ciocco, Barga, Italy. (poster)
7. Bischler, N., Jonic, S., Larquet, E., Oikonomakos, N., **Skamnaki, V.**, Johnson, L, Venien-Bryan, C & Boisset, N. (2006) Étude structurale de la phosphorylase kinase (PhK) de mammifère par cryo-MET 3D et analyse d'images. Abstracts p.118. 20^{ème} Congrès de la Société Française de Biophysique. 14 – 19 Octobre 2006, Anglet, Pyrénées-Atlantiques, France (poster).
8. Slavica Jonic¹, **Vasiliki Skamnaki**, Nick Brown, Nicolas Bischler, Nikos Oikonomakos,

Nicolas Boisset, Louise Johnson, Catherine Venien-Bryan. (2009) The Structure Of Phosphorylase Kinase Holoenzyme At Subnanometer Resolution, Location Of The Catalytic Subunit And The Substrate Glycogen Phosphorylase [BIOPHYSICAL JOURNAL](#) Volume: 96 Issue: 3 Supplement: 1 Pages: 413A-413A Meeting Abstract: 2125-Pos

9. Johnson, L., Brown, N., Lowe, E., **Skamnaki, V.**, Kontogiannis, L. (2007) Structural studies on cell cycle regulatory proteins L-03 *The Role of Structures in Biology- Past, Present and Future* 3rd BIOXHIT Annual Meeting 19th-21st February 2007, Didcot, UK.
10. Papageorgiou, D., Hayes, J., Sarrou, J., Bischler, N., **Skamnaki, V.**, Zographos, S., Leonidas, D., Oikonomakos, N., Skaltsounis, A.L., Wascholowski, V., Sarli, V., Giannis, A. (2007) *In vitro* and *in silico* studies of PhK-γtrnc for the development of anti-hyperglycaemic drugs using structure-based drug design. 59^ο Πανελλήνιο Συνέδριο Βιοχημείας και Μοριακής Βιολογίας, Αθήνα 7-9 Δεκεμβρίου 2007. Πρακτικά PPO70 σελ. 47.
11. Georgiadou, D., Evnouhidou, E., **Skamnaki, V.**, Chroni, A., Hearn, A., Rock K. & Stratikos, E. (2007) Overexpression, purification and characterization of the role of placental leucine aminopeptidase in antigenic peptide generation. 59^ο Πανελλήνιο Συνέδριο Βιοχημείας και Μοριακής Βιολογίας, Αθήνα 7-9 Δεκεμβρίου 2007. Πρακτικά PPO80 σελ. 49.
12. Georgiadou, D., Evnouhidou, E., **Skamnaki, V.**, Chroni, A., Hearn, A., Rock K., York, I., Georgiadis, D & Stratikos, E. (2008) Placental leucine aminopeptidase trimming of antigenic peptide precursors: a potential role in antigen presentation. 4^ο Συνέδριο Ελληνικής Κρυσταλλογραφικής, Αθήνα 26-27 Σεπτεμβρίου 2008, Πρακτικά σελ 57.
13. Venien-Bryan, C., Jonic, S., **Skamnaki, V.**, Brown, N., Bischler, N., Oikonomakos, N., Boisset, N & Johnson, L.N. (2008) Structure of phosphorylase kinase holoenzyme at 9.9 Å resolution, locations of the catalytic subunit and the substrate glycogen phosphorylase. 4^ο Συνέδριο Ελληνικής Κρυσταλλογραφικής Εταιρείας, Αθήνα 26-27 Σεπτεμβρίου 2008, Πρακτικά σελ 25.
14. **Skamnaki, V.T.**, Savvidou, M., Katsandi, A., Psarra, A.M., Kontou, M., Kouretas, D., Leonidas, D.D (2010) Natural flavonoid catechin inhibits glycogen phosphorylase by binding at new allosteric site. 5^ο Συνέδριο Ελληνικής Κρυσταλλογραφικής, Λαρίσα 24-25 Σεπτεμβρίου 2010, Πρακτικά σελ 16.
15. Hayes, J.M., **Skamnaki, V.T.**, Archontis, G., Lamprakis, J., Sarrou, J., Bischler, N., Skaltsounis, A.L., Zographos, S.E., Oikonomakos, N.G. (2010) Refinement and validation of phosphorylase kinase ATP-binding site inhibitor complexes using molecular dynamics and MM-GBSA calculations. 5^ο Συνέδριο Ελληνικής Κρυσταλλογραφικής, Λαρίσα 24-25 Σεπτεμβρίου 2010, Πρακτικά σελ 34.
16. Stravodimos G.A., Katsadi A.L., Kyriakis E., Liggri P.G.V., Apostolou A., Gorgogietas V., Chatzileontiadiou D.S.M., Kolokotroni V., **Skamnaki V.T.**, Psara A-M.G., Haroutanian S.A., Leonidas D.D. "Assessment of polyphenolic extracts of Greek varieties of *Vitis vinifera* and *Punica granatum* for inhibitory potency against

- Glycogen Phosphorylase ". Poster , Hellenic Crystallographic Association, 7th International Conference, Irakleion, Greece, 19-21/9/2014
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