

CURRICULUM VITAE

**UNIVERSITY OF IOANNINA, MEDICAL SCHOOL
LABORATORY OF BIOLOGICAL CHEMISTRY**

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KONSTANTINOS PAPAKOSTAS

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Last name: Papakostas
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STUDIES

- 2007-2011 **PhD, Biological Chemistry, University of Ioannina Medical School**, title of thesis: “Investigation of the purine uptake mechanism in nucleobase-ascorbate transporters (NAT)”, Principal Investigator Stathis Frillingos, Associate Professor of Biological Chemistry, Ioannina University Medical School.
- 2005-2006 Diploma thesis: “The role of the 12th transmembrane segment (TMS12) in nucleobase-ascorbate transporters (NAT)”, Principal Investigator Stathis Frillingos, Assistant Professor of Biological Chemistry, Ioannina University Medical School. Nov 2005-Jun 2006. Presented at 6 Jul 2006 (grade 10/10)
- 2001-2006 **BSc, Department of Biological Applications and Technologies**, Science and Technology School, University of Ioannina, Ioannina, Greece: grade 6.94 / 10.

AWARDS

- 2009 Awarded the **Gardiki- Kouidou** 2009 prize for new scientists, during the 60th Panhellenic Congress of Biochemistry and Molecular Biology, Athens, Nov. 20-22, 2009.

FOREIGN LANGUAGES: ENGLISH, GERMAN

- 2002 Certificate of Proficiency in English, University of Cambridge
2004 Zertifikat Deutsch als Fremdsprachen, Goethe Institut

COMPUTER SKILLS

Excellent PC user (DOS, Windows, Word, Excel, PowerPoint etc.) and very good at using bioinformatics tools (such as data bases, BLAST, CLUSTALW etc).

PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. **K. Papakostas**, E. Georgopoulou and S. Frillingos, Cysteine-scanning Analysis of Putative Helix XII in the YgfO Xanthine Permease, *J Biol Chem.* **2008** May 16;283(20):13666-78

CITATIONS TO PUBLICATION-1

- Leung *et al.*, *Prot. Expr. Purif.* **72**, 139-146 (2010)
Yuan *et al.*, *Chem. Centr. J.* **4**:6 (2010)
Kosti *et al.*, *J. Mol. Biol.* **397**, 1132-1143 (2010)
Diallinas & Gournas, *Channels* **2**, 1-10 (2008)
Papageorgiou *et al.*, *J. Mol. Biol.* **382**, 1121-1135 (2008)

PRESENTATIONS IN SCIENTIFIC CONFERENCES

2. **K. Papakostas**, and S. Frillingos, «Correlations between sequence and substrate selectivity in bacterial members of the nucleobase-ascorbate transporter family», 61st Panhellenic Congress of Biochemistry and Molecular Biology, Alexandropolis, Oct 15 - 17, 2010. P25. *Book of Abstracts*, 50 (2010).
3. S. Frillingos, G. Mermelakas, **K. Papakostas**, M. Botou, E. Karena, and, E. Georgopoulou «Role of putative transmembrane helix TM8 in the nucleobase-ascorbate transporter family », Hellenic Society for Biological Sciences, Karpenissi, May 20-22, 2010, Proceedings of the 32nd Scientific Conference, 410-411 (2010).
4. **K. Papakostas**, E. Karena, and S. Frillingos, «Substrate selectivity determinants in the uric acid permease YgfU (PbuX) », 60th Panhellenic Congress of Biochemistry and Molecular Biology, Athens, Nov. 20-22, 2009. *Hell. Biochem. Mol. Biol. Newsletter* 55, 152 (2009). Awarded the Gardiki- Kouidou prize for a PhD student with poster presentation.
5. S. Frillingos, **K. Papakostas**, E. Georgopoulou, E. Karena, E. Vourvou and G. Mermelakas, «Functional role and interactions of helix XII with the Nucleobase-Ascorbate Trasporter (NAT) signature motif in the permease YgfO from *E.coli* », Gordon Research Conference, Membrane transport proteins, Lucca, Italy, July 20-25, poster session on «Structure of membrane transporters», moderated by G. Rudnick (2008).
6. **K. Papakostas** and S. Frillingos, «Scanning analysis of transmembrane helix 12 in the xanthine permease YgfO of *E.coli*: Ile432 is essential for purine uptake», 29th Hell. Society for Biol. Sciences Scientific Conference, Kavala, May 17-19 2007. *Hell. Society for Biol. Sciences Proceedings* 29, 320-321 (2007).
7. E. Georgopoulou, **K. Papakostas**, E. Karena and S. Frillingos, «Critical residues and intramolecular interactions in the xanthine permease YgfO from *Escherichia coli* as revealed from Cys-sanning analysis», 59th Hell. Society Biochem. Mol. Biol. Meeting, Athens, 2007. *Hell. Biochem. Mol. Biol. Newsletter* 54, 104 (2007).
8. **K. Papakostas**, E. Georgopoulou, and S. Frillingos, «Cys-scanning analysis of the last transmembrane segment (TMS12) in the NAT/NCS2 transporter family», 58th Hell. Society Biochem. Mol. Biol. Meeting, Patra, Nonember 9-11 2006. *Hell. Biochem. Mol. Biol. Newsletter* 53, 168 (2006).