

CURRICULUM VITAE

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

***CURRICULUM VITAE***

**KONSTANTINOS PAPAKOSTAS**

**June 2012**

## CURRICULUM VITAE

Last name: Papakostas  
First name: Konstantinos  
Date of birth: 8 Mar 1984  
Place of birth: Ioannina  
Address: 24 Michail Angelou Str., 45332 Ioannina  
Tel. number: +3026510-74074  
E-mail: [koustakis@gmail.com](mailto:koustakis@gmail.com)

### 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 12<sup>th</sup> 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 60<sup>th</sup> 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
2. **K. Papakostas**, and S. Frillingos, «Substrate selectivity of YgfU, a uric acid transporter from *Escherichia coli*», *J Biol Chem* **2012** May 4;287(19):15684-95.

CITATIONS TO PUBLICATION-1

Leung *et al.*, *Mol. Membr. Biol.* **29**, in press (**2012**)  
Ren *et al.*, *Comput. Theor. Chem.* **982**, 40-46 (**2012**)  
Amillis *et al.*, *J. Mol. Biol.* **411**, 567-580 (**2011**)  
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

1. **K. Papakostas**, M. Botou, C. Kalloniati, E. Fletmetakis, and S. Frillingos, «Genetic and functional analysis of purine transporters from *Sinorhizobium meliloti*», 4<sup>th</sup> National Initiative Mikrobiokosmos (MBK) Conference, Ioannina, Oct. 21-23, Proceedings, pp. 178-179 (2011).
2. E. Karena, **K. Papakostas**, and S. Frillingos, «Interaction between the core and the gate domain of the xanthine permease XanQ of *E. coli* as determined with cadmium-sensitivity assays», 62<sup>nd</sup> Panhellenic Congress of Biochemistry and Molecular Biology, Athens, Dec 9 - 11, 2011. P135. *Book of Abstracts*, 222 (2011).
3. **K. Papakostas**, and S. Frillingos, «Correlations between sequence and substrate selectivity in bacterial members of the nucleobase-ascorbate transporter family», 61<sup>st</sup> Panhellenic Congress of Biochemistry and Molecular Biology, Alexandropolis, Oct 15 - 17, 2010. P25. *Book of Abstracts*, 50 (2010).
4. 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 32<sup>nd</sup> Scientific Conference, 410-411 (2010).
5. **K. Papakostas**, E. Karena, and S. Frillingos, «Substrate selectivity determinants in the uric acid permease YgfU (PbuX) », 60<sup>th</sup> 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.
6. 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).
7. **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).
8. 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).
9. **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).