

Curriculum Vitae

Panayiota Lazou

Education and training

- **2014 -Today: Phd student**
Faculty of Medicine, School of Health Sciences, University of Ioannina.
Phd Thesis: "Study of the polymorphisms in purine/pyrimidine transporters of pathogenic and non pathogenic bacteria "
Supervisor: Dr. Efstathios Frilingos, Professor of Biological Chemistry.
- **2010- 2014 : MSc in Biotechnology**
Faculty of Medicine, School of Health Sciences, University of Ioannina.
Master's Thesis: "Purine analogs search for targeted antimicrobial effect based on transmembrane transporters analysis from pathogenic bacteria: Functional characterization of all putative nuclease transporters of *Acinetobacter calcoaceticus* and *Aeromonas veronii*.
Supervisor: Dr. Efstathios Frilingos, Professor of Biological Chemistry.
- **1998 -2010 : B.Sc in Biology**
Faculty of Biology, School of Science, National and Kapodistrian University of Athens.
Undergraduate thesis: " Characterization of β - globin gene molecular mutations using Denaturing Gradient Gel Electrophoresis (DGGE) method in patients with Cooley's Anemia.
Supervisor: Dr. Vassiliki Aleporou- Marinou, Professor of Biochemistry and Molecular Genetic
The research project was conducted in collaboration with the National Center for Thalassaemia and Haemoglobinopathies of Laikon General Hospital of Athens.

Conference participations

Oral Presentations

- **36th Scientific Conference of Hellenic Association for Biological Sciences.**
Lazou P., Botou M., Papakostas K., Karna E., Frilingos S." Functional profile analysis of nucleobase transporters in the opportunistic pathogen *Acinetobacter calcoaceticus*." Proceedings of the 36th Scientific Conference of Hellenic Association for Biological Sciences Ioannina, May 8-10, 2014;182-183
- **66th Annual Conference of the Hellenic Society for Biochemistry and Molecular Biology (HSBMB)**
Panayiota Lazou and Stathis Frilingos "Substrate specificity properties of the xanthine, guanine, and uracil transporters of the *Acinetobacter calcoaceticus* – *Acinetobacter baumannii* complex". Proceedings of the 66th National HSBMB Conference Athens, December 11th-13th, 2015; p 51/328

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- **34th Small Meeting on YEAST TRANSPORT AND ENERGETICS**
Frillingos Stathis, **Lazou Panayiota**, Tatsaki Ekaterini, Yalelis Vassilios, Botou Maria "Functional, phylogenetic and mutational analysis of bacterial purine/pyrimidine permeases of the Nucleobase: Cation Symporter-2 family for elucidating distinct substrate preferences and structure-functional splits"
Proceedings of the 34th Small Meeting on Yeast Transport and Energetics, Chania, Aug 29th - Sept 1th, 2016; p43/81

Poster Presentations

- **10th International Symposium on the Biology of Acinetobacter.**
Panayiota Lazou and Stathis Frillingos "Functional dissection of high-affinity purine/pyrimidine-uptake systems encoded in genomes of the *Acinetobacter calcoaceticus* - *Acinetobacter baumannii* complex". Proceedings of the 10th International Symposium on the Biology of Acinetobacter , Athens 3-5 June, 2015;134.
- **67th Panhellenic Conference of the Hellenic Society for Biochemistry and Molecular Biology(HSBMB)**
Panayiota Lazou, Maria Botou, Thomas Evangelidis, Emmanuel Mikros, and Stathis Frillingos. "A unique homology cluster of bacterial pyrimidine permeases highlights the role of a binding-site phenylalanine residue in distinguishing uracil from thymine" Proceedings of the 67th National HSBMB Conference, Ioannina, November 25th-27th, 2016;p138/352
- **67th Panhellenic Conference of the Hellenic Society for Biochemistry and Molecular Biology (HSBMB).**
Vassilios Yalelis, **Panayiota Lazou**, Maria Botou, Stathis Frillingos. "Molecular determinants of the adenine/hypoxanthine selectivity in the homology cluster of salvageable purine permeases of symporter family NCS2". Proceedings of the 67th National HSBMB Conference, Ioannina, November 25- 27, 2016;p160/352