

CURRICULUM VITAE

Vassilis Yalelis, MD

Degrees & education

- 2014-present Ph.D. candidate in Biological Chemistry under supervision of Prof. Eustathios Frillingos, School of Medicine, University of Ioannina, Greece.
- 2013-2017 M.D., School of Medicine, University of Ioannina, Greece.
- 2007-2011 B.Sc. (Hons) in Biology, School of Science, National and Kapodistrian University of Athens, Greece.

Publications in peer-reviewed journals

1. Chaliotis A, Vlastaridis P, Ntountoumi C, Botou M, Yalelis V, Lazou P, Tatsaki E, Mossialos D, Frillingos S, Amoutzias GD (2018). NAT/NCS2-hound: A webserver for the detection and evolutionary classification of prokaryotic and eukaryotic nucleobase-cation symporters of the NAT/NCS2 family. *Gigascience*. doi: 10.1093/gigascience/giy133. PMID: 30418564.
2. Martzoukou O, Karachaliou M, Yalelis V, Leung J, Byrne B, Amillis S, Diallinas G (2015). Oligomerization of the UapA Purine Transporter Is Critical for ER-Exit, Plasma Membrane Localization and Turnover. *J Mol Biol*. doi: 10.1016/j.jmb.2015.05.021. PMID: 26049015.
3. Karachaliou M, Amillis S, Evangelinos M, Kokotos AC, Yalelis V, Diallinas G (2013). The arrestin-like protein ArtA is essential for ubiquitination and endocytosis of the UapA transporter in response to both broad-range and specific signals. *Mol Microbiol*. doi: 10.1111/mmi.12184. PMID: 23490137. (**evaluated by F1000, New Finding classification**).

Congress reports (national: 7, international: 7)

1. V. Yalelis, P. Lazou, M. Botou and E. Frillingos. (2016). Molecular determinants of the adenine/hypoxanthine selectivity in the homology cluster of salvageable purine permeases of symporter family NCS2. *67th Scientific Conference of the Hellenic Society of Biochemistry & Molecular Biology, Ioannina, Greece (proceedings p. 33)*.
2. V. Yalelis and E. Frillingos. (2015). Broadening the substrate recognition spectrum of adenine-specific transporters in family NCS2: the paradigm of permease PurP from Escherichia coli K-12. *66th Scientific Conference of the Hellenic Society of Biochemistry & Molecular Biology, Athens, Greece (proceedings p. 106-107)*.
3. G. Diallinas, O. Martzoukou, M. Karachaliou, V. Yalelis, J. Leung, B. Byrne and S. Amillis. (2015). Oligomerization of the UapA purine transporter is critical for ER-exit, plasma membrane localization and turnover. *4th International Workshop on Expression, Structure and Function of Membrane Proteins 28th June-2nd July Florence, Italy*.
4. V. Yalelis, M. Botou and E. Frillingos. (2015). Dissection of the selectivity switch between closely related adenine and guanine/hypoxanthine transporters of family NCS2. *6th Hellenic Society Mikrobiokosmos Congress, Athens, Greece (proceedings p. 200)*.

5. O. Martzoukou, M. Karachaliou, S. Amillis, V. Yalelis, J. Leung, B. Byrne and G. Diallinas. (2015). Oligomerization of the UapA purine transporter is critical for ER-exit and plasma membrane localization. *6th Hellenic Society Mikrobiokosmos Congress, Athens, Greece*.
6. O. Martzoukou, M. Karachaliou, S. Amillis, V. Yalelis, M. Evangelinos, J. Leung, B. Byrne and G. Diallinas. (2014). Oligomerization of the UapA purine transporter is critical for ER-exit and sorting into plasma membrane microdomains. *65th Scientific Conference of the Hellenic Society of Biochemistry & Molecular Biology, Thessaloniki, Greece*.
7. O. Martzoukou, M. Karachaliou, S. Amillis, V. Yalelis, M. Evangelinos & G. Diallinas. (2014) Oligomerization of the UapA purine transporter is critical for ER-exit, membrane trafficking and turnover. *Cost Action BM1307 1st Proteostasis Meeting, 5-7 Nov, Valencia, Spain*.
8. M. Karachaliou, S. Amillis, V. Yalelis & G. Diallinas. (2014). Role of oligomerization in the trafficking and vacuolar turnover of a purine transporter in a model fungal system. *12th European Conference On Fungal Genetics, Proceedings of the 11th International Aspergillus Meeting (Asperfest11), Seville, Spain*.
9. Karachaliou M., Amillis S., Yalelis V. & Diallinas G. (2014). Role of oligomerization in the trafficking and vacuolar turnover of a purine transporter in a model fungal system. *EMBO Workshop: Signalling to and from endomembranes, Allensbach-Hegne, Germany*.
10. S. Amillis, M. Karachaliou, M. Evangelinos, A. Kokotos, V. Yalelis & G. Diallinas. (2012). The arrestin-like protein ArtA is essential for ubiquitination and endocytosis of the UapA transporter in response to both broad-range and specific signals. *FEBS Special meeting on "Protein quality control and ubiquitin systems in Health and disease" (7th Inproteolys Meeting), Kusadasi, Turkey*.
11. M. Karachaliou, S. Amillis, V. Yalelis & G. Diallinas. (2012). In search for a role of oligomerization of a purine transporter in a model fungal system. *FEBS Special meeting on "Protein quality control and ubiquitin systems in Health and disease" (7th Inproteolys Meeting), Kusadasi, Turkey*.
12. V. Yalelis, G. Diallinas & S. Amillis. (2011). The amino terminal region of the uric/xanthine permease UapA contains regulatory motif for its sub-cellular trafficking and function. *4th Hellenic Society Mikrobiokosmos Congress, Ioannina, Greece*.
13. S. Amillis, M. Karachaliou, V. Yalelis, A. Vlanti, C. Gournas & G. Diallinas. (2011). Signals and mechanisms of transporter endocytosis in a model fungal system. *EMBO Conference on "Dynamic endosomes: Mechanisms controlling endocytosis", Chania, Greece*.
14. S. Amillis, M. Karachaliou, V. Kosti, V. Yalelis, A. Vlanti, C. Gournas & G. Diallinas. (2011). Signals and mechanisms of membrane cargo trafficking and endocytosis in a model fungal system. *62th Scientific Conference of the Hellenic Biochemistry & Molecular Biology Society, Athens, Greece (proceedings p. 60)*.

Grants

- October 2010-October 2011: Participant in the research Grant by John S. Latsis Public Benefit Foundation (Scientific Project Proposals for the Year 2011). Research topic: "Design of targeted drugs against pathogenic fungi" awarded to Assoc. Prof. G. Diallinas's laboratory, National and Kapodistrian University of Athens, Greece.

Professional experience & interests

- October 2014-present: Teaching assistant of the Laboratory of Biological Chemistry for the practical courses of required undergraduate lessons in Biochemistry, School of Medicine, University of Ioannina, Greece.
- December 2018-present: Rural general practitioner at Health Center of Pramanta, Greece.
- September 2017-November 2018: General surgery resident at General Hospital of Arta, Greece.

- May 2010-October 2011: Undergraduate practice while elaborating Diploma Thesis, at the molecular biology and genetics lab of Assoc. Prof. G. Diallinas, Microbiology group, Faculty of Biology, National and Kapodistrian University of Athens, Greece. Trained in a range of basic molecular biology methods such as standard molecular cloning, site-directed mutagenesis, uptake measurements of radiolabeled substrates, Southern and Western analyses and also in fluorescence microscopy.

Languages

1. Greek: native language.
2. English: Certificate of Proficiency in English (2004), and basic teaching qualification (2007), Hellenic American Union, Athens.
3. German: Zertifikat Deutsch als Fremdsprachen (2005), Goethe Institut, Athens.

Military service

- March 2011-November 2012: Mandatory military service in Hellenic Army's Armored Division.