

Μαυρίδου Ειρήνη
Βιολόγος, DEA Παν/μίου Grenoble, Δρ. Παν/μίου Αθηνών
Ινστιτούτο Υγείας του Παιδιού
Θηβών 1 & Παπαδιαμαντοπούλου (Γουδι)
11527.

ΜΑΥΡΙΔΟΥ ΕΙΡΗΝΗ

Β Ι Ο Λ Ό Γ Ο Σ

Σπουδές

1982: Αποφοίτησε από το Βιολογικό Τμήμα του Πανεπιστημίου Αθηνών.

1983: Έλαβε το DEA de Biologie Cellulaire et Moléculaire, Πανεπιστήμιο της Grenoble, Γαλλία.

Σεπτέμβριος 1984- Φεβρουάριος 1985 : Εργάσθηκε στο Ινστιτούτο Μοριακής Βιολογίας και Βιοτεχνολογίας, Ηράκλειο, Κρήτη.

Μάρτιος 1985 - Απρίλιος 1989: Εκπόνηση διδακτορικής διατριβής με υποτροφία του Εθνικού Ιδρύματος Ερευνών.

1992: Έλαβε το διδακτορικό της δίπλωμα από το Βιολογικό τμήμα του Πανεπιστημίου Αθηνών.

Μάϊος 1989 μέχρι σήμερα: Εργάζεται στη Διεύθυνση Ενζυμολογίας και Κυτταρικής Λειτουργίας του Ινστιτούτου Υγείας του Παιδιού όπου ασχολείται εργαστηριακά με την διάγνωση και την έρευνα των αθροιστικών λυσοσωμιακών νοσημάτων.

CONTACT

PHONE:
213-2037321

WEBSITE:
[Διεύθυνση Ενζυμολογίας και Κυτταρικής Λειτουργίας = Ινστιτούτο Υγείας του Παιδιού \(ich.gr\)](http://ich.gr)

EMAIL:
ecflab@ich.gr

Δημοσιεύσεις

1. H., Papadimitriou A., Divari R., Mavridou J. and Dimitriou E. (1995): Plasma lysosomal enzyme levels in patients with motor neuron disease. *J Inher Metab Dis* 18, 72-64.
2. Michelakis H., Dimitriou E., Van Weely S., Boot R.G., Mavridou I., Verhoeck M. and Aerts J.M.F.G. (1995): Characterization of Glucocerebrosidase in Greek Gaucher Disease patients: mutation analysis and biochemical studies. *J. Inher. Met. Dis.* 18, 609-615.
3. Labadaridis J, Mavridou I, Sarafidou G, Alexiou N, Costalos C, Michelakakis H. (2000): Carnitine supplementation and ketogenesis by small-for-date neonates on medium -and long- chain fatty acid formulae. *Biol. Neonate* 77, 25-8.
4. Kroos M., Manta P., Mavridou I., Muntoni F., Halley D., Van der Helm R., Zaifeiriou D, Van der Ploeg A., Reuser A., Michelakakis H. (2006). Seven cases of Pompe disease from Greece. *J Inher Metab Dis* 29: 556-563.
5. Zafeiriou D, Vargiami E, Papadopoulou K, Dimitriou E, Mavridou I, Santamaria R, Canals I, Michelakakis H. (2008): Serial magnetic resonance imaging and neurophysiological studies in multiple sulphatase deficiency. *Eur J of Paed Neurol.* 12: 190-194.
6. Kroos M, Pomponio RJ, van Vliet L, Palmer RE, Phipps M, Van der Helm R, Halley D, Reuser A, Baethmann M, Banikazemi M, Van der Beek N, De Join G, Van der Ploeg A, Bosch A, Byrne B, Charrow J, Clancy JP, Clemens P, Doppler V, Laforet P, Escolar D, Feigenbaum A, Filocamo M, Gadalla A, Garabedian C, Gray G, Holmes E, Hwu

- E-L, Jaffe K, Kishnani P, de Koning T, Wokke J, Leslie N, Lund AM, Mansson J-Eric, van Maldergem L, Kazue S, Naghashi M, Matthijs G, Mavridou I, Michelakakis H, Muntjewerff N, Nelson P, Nevins M, Pestronk A, Plecko B, Rake J, Rees P, Rosenbloom B, Smith SA, Storm K, Wuyts W, Tahmasebi S, Ghaffari SR, Tarnopolsky M, Taylor M, Turnpenny P, Verellen C, Van Hove J, Wraith Ed (2008): Update of the Pompe Disease Mutation Database with 107 Sequence Variants and a Format for Severity Rating. *Hum Mutat* 29(6): E13-26.
7. Michelakakis H, Moraitou M, Mavridou I, Dimitriou E. (2009): Plasma lysosomal enzyme activities in congenital disorders of glycosylation, galactosemia and fructosemia. *Clin Chim Acta* 401; 81-83.
 8. Michelakakis H, Moraitou M, Mavridou I, Dimitriou E. (2009): Plasma lysosomal enzyme activities in congenital disorders of glycosylation, galactosemia and fructosemia. *Clin Chim Acta* 401; 81-83.
 9. Moraitou M., Dimitriou E., Mavridou I., Michelakakis H., Georgouli H.. Ploski R., Pollak A. (2012): "Tranferrin isoelectric focusing and plasma lysosomal enzyme activities in the diagnosis and follow-up of hereditary fructose intolerance". *Clin. Chim. Acta* 9;413(19-20): 1714-5.
 10. Caciotti A., Catarzi S., Tonin R., Lugli L. Perez C.R., Michelakakis H., Mavridou I., Donati M.A., Guerrini R., d'Azzo A. and Morrone A. (2013): "Galactosialidosis: review and analysis of CTSA gene mutations". *Orphanet J Rare Dis* 8 :114
 11. Mavridou I, Cozar M, Douzgou S, Xaidara A, Lianou D, Vanier MT, Dimitriou E, Grinberg D, Vilageliu L, Michelakakis H.(2014): "Niemann-Pick type C disease: a novel NPC1 mutation

segregating in a Greek island". Clin Genet 85(6):543-7.

12. Serra –Vinardell J., Diaz L, Casas J., Grinberg D., Vilageliu L., Michelakakis H., Mavridou I., Aerts J., Decrooocq C., Compain P., and Deglado A.(2014): "Glucocerebrosidase Enhancers for selected Gaucher Disease Genotypes by Modification of α -1-C Substituted Imino D-Xylitols (DIXs) By Click Chemistry". Chem Med Chem. 9(8), 1744-54.
13. Serra-Vinardell J., Diaz I., Guittierrez-de Teran H., Sanchez-Olle G., Bujons J., Michelakakis H., Mavridou I., Aerts J., Delgado A., Grinberg D., Vilageliu L., and Casas J. .(2014): "Selective Chaperone Effect of Aminocyclitol DerivativesDisease". Int. J. Biochem. Cell. Biol. 54, 245-254.
14. Dimitriou E., Cozar M., Mavridou I., Grinberg D., Vilageliu L., and Michelakakis H. (2015): "The Spectrum of Krabbe Disease in Greece: Biochemical and Molecular Findings". JIMD Rep. 2016;25:57-64
15. Laigre E., Hazelard D., Casas J., Serra-Vinardell J., Michelakakis H., Mavridou I., Aerts JM., Delgado A., Compain P. (2016): "Investigation of original multivalent iminosugars as pharmacological chaperones for the treatment of Gaucher Disease". Carbohydr Ress.;429:98-104.
16. Mavridou I., Dimitriou E., Vanier MT., Vilageliu L., Grinberg D., Latour P., Xaidara A., Lycopoulou L., Bostantjopoulou S., Zafeiriou D., Michelakakis H(2017).: "The Spectrum of Niemann-Pick Type C Disease in Greece". JIMD Rep. 36:41-48
17. Stauffert F., Serra-Vinardell J., Gomez-Grau M., Michelakakis H., Mavridou I., Grinberg D., Vilageliu L., Casas J., Bodljenner A., Delgado A.,

- Compain P.(2017): "Stereodivergent synthesis of right-and left-handed iminoxylitol heterodimers and monomers. Study of their impact on β -glucocerebrosidase activity". Org Biomol Chem.;15(17):3681-3705.
18. Stauffert F, Serra- Vinardell J, Gómez-Grau M, Michelakakis H, Mavridou I, Grinberg D, Vilageliu L, Casas J, Bodlenner A, Delgado A, Compain P. Correction(2017): Stereodivergent synthesis of right- and left-handed iminoxylitol heterodimers and monomers. Study of their impact on β -glucocerebrosidase activity.Org Biomol Chem. 15(37):7977.
 19. Labrijn-Marks I, Somers-Bolman GM, In't Groen SLM, Hoogeveen- Westerveld M, Kroos MA, Ala-Mello S, Amaral O, Miranda CS, Mavridou I, Michelakakis H, Naess K, Verheijen FW, Hoefsloot LH, Dijkhuizen T, Benjamins M, van den Hout HJM, van der Ploeg AT, Pijnappel WWMP, Saris JJ, Halley DJ.(2019) Segmental and total uniparental isodisomy (UPiD) as a disease mechanism in autosomal recessive lysosomal disorders: evidence from SNP arrays. Eur J Hum Genet. Jun;27(6):919-927. doi: 10.1038/s41431-019-0348-y. Epub 2019 Feb 8.
 20. Caciotti A, Melani F, Tonin R, Cellai L, Catarzi S, Procopio E, Chilleri C, Mavridou I, Michelakakis H, Fioravanti A, d'Azzo A, Guerrini R, Morrone A. (2020) Type I sialidosis, a normosomatic lysosomal disease, in the differential diagnosis of late-onset ataxia and myoclonus: An overview. Mol Genet Metab. 129(2):47-58. doi: 10.1016/j.ymgme.2019.09.005.
 21. Dimitriou E, Moraitou M, Cozar M, Serra-Vinardell J, Vilageliu L, Grinberg D, Mavridou I, Michelakakis H.(2020). Gaucher disease:

Biochemical and molecular findings in 141 patients diagnosed in Greece. Mol Genet Metab Rep 24:100614. doi: 10.1016/j.ymgmr.2020.100614.