Mary Kefi

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Sex female | Date of birth 27/03/1993 | Nationality Greek

Mother tongue Greek | Other languages English, German

Education/Working Experience

Nov 2017-today

PhD (in progress)"The Achilles" heel of the malaria vector, *Anopheles gambiae*" , Biology Department, University of Crete, Greece

Jan 2018-May 2018

Erasmus Traineeship in Liverpool School of Tropical Medicine (LSTM)
"RNAi silencing of genes implicated in insecticide resistance of the major malaria vector *Anopheles gambiae"*

2015-2017

Master of Science (MSc) Molecular Biology and Biomedicine (Excellent 9,63/10)
Interdisciplinary Programme between Institute of Molecular Biology and Biotechnology of Foundation of Research and Technology Hellas (IMBB/FORTH), Biology Department and Medicine School Department, University of Crete

2011-2015

Bachelor of Science (BSc) in Biology, qualification in Biomolecular Sciences and Biotechnology (Very good, 7,74/10)
Biology Department, University of Crete

Additional Information

Publications

Balabanidou,V., **Kefi,M.**, Aivaliotis,M.,Koidou,V., Girotti,JR., Mijailovsky,SJ., Juarez,MP., Papadogiorgaki,E., Chalepakis,G., Kampouraki,A., Nikolaou, C., Ranson,H., & Vontas,J. (2019). Mosquitoes cloak their legs to resist insecticides. Proc. R. Soc. B. doi: http://dx.doi.org/10.1098/rspb.2019.1091

Kefi,M., Balabanidou,V., Douris,V., Lycett,G., Feyereisen,R., & Vontas,J. (2019). Two functionally distinct Anopheles gambiae CYP4Gs contribute to cuticular hydrocarbon biosynthesis. *Insect Biochem Mol Biology*, 110 (52-59). doi:10.1016/j.ibmb.2019.04.018

Kefi,M.,Mavridis,K.,Simões,M.L.,Dimopoulos,G., Siden-Kiamos,I.,& Vontas,J.(2018). New rapid one-step PCR diagnostic assay for Plasmodim falciparum infective mosquitoes. *Scientific Reports,*8(1), 1462. doi: 10.1038/s41598-018-1978

Patent

P534198GB Malaria Biomarkers, Method of identifying mosquitoes with infective Plasmodium sporozoites in their salivary glands. Siden-Kiamos,I.,**Kefi,M.,**Mavridis,K., Vontas,J., 2018

Conferences

Mary Kefi, Vasileia Balabanidou, Michalis Aivaliotis, Venetia Koidou, Juan Girotti, Sergio Mijailovsky, Patricia Juárez, Vassilis Douris, Gareth Lycett, Hilary Ranson, Rene Feyereisen & John Vontas
Malaria mosquitoes defend against contact insecticides by major alteration in their legs.
"Molecular and population biology of mosquitoes and other disease vectors", Kolympari, Crete, Greece, 22-26 July 2019 (talk and poster)

Mary Kefi, Vasileia Balabanidou, Vassilis Douris, Gareth Lycett, Rene Feyereisen and John Vontas. Two functionally distinct CYP4G genes of Anopheles gambiae contribute to cuticular hydrocarbon biosynthesis. Eighth International Symposium on Molecular Insect Science, 2019, Sitges, Barcelona, Spain, 7-10 July 2019 (poster)

V. DOURIS, M. RIGA, A. ILIAS, R. PANTELERI, I.K. CHRISTOU, S. KOUNADI, K.M. PAPAPOSTOLOU, G.R. SAMANTSIDIS, **M. KEFI**, T. VAN LEEUWEN, R. NAUEN and J. VONTAS Investigation of the contribution of different molecular mechanisms to insecticide resistance through gene overexpression and targeted genome modification in Drosophila. 17th Panhellenic Entomological Congress, Agricultural University of Athens, Athens, Greece, 18-22 September 2017
Molecular and Population Biology of Mosquito and Other Disease Vectors, Mosquito Kolymbari Meeting, Kolymbari, Crete, Greece, 24-28 July 2017 (attendance)

Chemical Biology of Disease Conference at Foundation for Research & Technology Hellas (FORTH), Heraklion, Greece, 15-18 September 2017 (attendance)

66th Conference of Hellenic Society for Biochemistry and Molecular Biology (HSBMB), Eugenides Foundation, Athens , Greece 2015 (attendance)

63th Conference of Hellenic Society for Biochemistry and Molecular Biology (HSBMB), Institute of Molecular Biology and Biotechnology, Forth, Heraklion, Greece, 2012 (attendance)

Personal Interests

Piano, Literature, Board Games, Volleyball