

GEORGIA ORFANOUDAKI, MSC., PH.D.

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Education, Training and Positions

Dec 2019-present Postdoctoral-Research at Proteomics facility at IMBB (ProFI), FORTH HELLAS in the context of the project “Reinforcement of Postdoctoral Researchers - 2nd Cycle” (MIS-5033021)

Feb 2018- Oct 2019: Postdoctoral-Research at Proteomics facility at IMBB (ProFI), FORTH HELLAS in the context of the project “Advanced Research Activities in Biomedical and Agro alimentary Technologies” (MIS 5002469)

2010-2015: Ph.D. in Protein Biotechnology, University of Crete, Department of Biology, IMBB-FORTH.

2008-2010: M.Sc. in Protein Biotechnology, University of Crete, Department of Biology, IMBB-FORTH (Grade 9.3/10 Excellent)

2002-2008: Diploma of Electronic and Computer Engineer at Technical University of Crete (Grade 8.6/10 Excellent)

Research Experience/Interests

Bioinformatics, Data visualization, Machine Learning, Feature Selection for Classification, MS/MS data analysis, Protein-Protein Interaction Data analysis, Statistical Analysis, Pathway analysis, Drug Repurposing, personal medicine

Awards / Fellowships

2019-present: Postdoctoral fellowship, in the context of the project “Reinforcement of Postdoctoral Researchers - 2nd Cycle” (MIS-5033021), implemented by the **State Scholarships Foundation (IKY)**

2012-2015: Pre-doctoral fellowship: **Alexander S. Onassis Public Benefit Foundation**

2010-2012: Pre-doctoral fellowship: **Institute of Molecular Biology and Biotechnology (IMBB)** of the Foundation for Research and Technology - Hellas (FORTH)

2009-2010: Postgraduate studies scholarship: **Alexander S. Onassis Public Benefit Foundation**

2003-2004: Performance scholarship by the **Technical University of Crete** for the academic years 2002-2003, 2003-2004.

2002: PALSO tutorial school award for being the second student accepted at the School of ECE of the Technical University of Crete in the year 2002.

2002: State Scholarship Foundation (IKY) award for being the second student accepted in the Department of Electronic and Computer Engineering in the University of Crete in the year 2002.

Publications (A) / Conferences (B)

A. 1. Orfanoudaki, G, Psatha, K, Aivaliotis, M, “Gene co-expression network and drug repurposing analysis in Mantle Cell Lymphoma offers new insights for more precise diagnostic, staging, prognostic and therapeutic strategies.” (2021, Submitted); 2. Seitanidou, C, **Orfanoudaki, G, Mavridou, D, Pitsikali, A, Drakos, E, Psatha, K, Aivaliotis, M, “Dissecting human lymphoma using an integrated network analysis.”** Aristotle Biomedical Journal (2019) Vol 1, No 1, pages 96-101; 3. Tsirigotaki, A, Chatzi, KE, Koukaki, M, De Geyter, J, Portaliou, AG, **Orfanoudaki, G, Sardis, MF, Trelle, MB, Jørgensen, TJD, Karamanou, S, Economou, A, “Long-Lived Folding Intermediates Predominate the Targeting-Competent Secretome.”** *Structure.* (2018) May 1;26(5):695-707.e5. doi: 10.1016/j.str.2018.03.006. Epub 2018 Apr 5.; 4. Tsolis, KC, Tsare, EP, **Orfanoudaki, G, Busche, T, Kanaki, K, Ramakrishnan, R, Rousseau, F, Schymkowitz, J, Rückert, C, Kalinowski, J, Anné, J, Karamanou, S, Klapa, MI, Economou, A, “Comprehensive subcellular topologies of polypeptides in Streptomyces.”** *Microb Cell Fact.* (2018) Mar 15;17(1):43. doi: 10.1186/s12934-018-0892-0. 5. **Orfanoudaki, G, Markaki, M, Chatzi, K, Tsamardinos, I and Economou, A, “MatureP: secretory protein prediction exclusively through mature domain features.”** *Scientific Reports* (2017) Jun 12;7(1):3263. doi: 10.1038/s41598-017-03557-4.; 6. De Geyter, J, Tsirigotaki, A, **Orfanoudaki, G, Zorzini, V, Economou, A, Karamanou, S, “Protein folding in the cell envelope of Escherichia coli.”** *Nat Microbiol.* (2016) Jul 26;1(8):16107. doi: 10.1038/nmicrobiol.2016.107. Review. 7.

Papanastasiou, M, **Orfanoudaki, G, Kountourakis, N, Koukaki, M, Sardis, MF, Aivaliotis, M, Tsolis, KC, Karamanou, S, Economou, A, “Rapid label-free quantitative analysis of the E. coli BL21(DE3) inner membrane proteome”** *Proteomics*, (2015) October, DOI: 10.1002/pmic.201500304 (*Featured Article*);

8. **Orfanoudaki, G and Economou, A, “Proteome-wide subcellular topologies of E. coli polypeptides database (STEPdb)”** *Mol Cell Proteomics* (2014) 13, 3674-3687; 9. Papanastasiou, M, **Orfanoudaki, G, Koukaki, M, Kountourakis, N, Sardis, MF, Aivaliotis, M, Karamanou, S, Economou, A, “The Escherichia coli peripheral inner membrane proteome”** *Mol Cell Proteomics* (2013) 12: 599-610.;

B. Conference Abstracts: 15 conference abstracts 3 International Conference and 12 National Conference abstracts. **Teaching:** 3 workshops.