

Curriculum Vitae

PERSONAL INFORMATION

SURNAME: PAPADIMITROPOULOU
NAME: ADRIANA
DATE OF BIRTH : 17/05/1980
PLACE OF RESIDENCE: ATHENS, GREECE
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MOBILITY-PREVIOUS POSITIONS

01/03/15-31/06/16 Post-Doctoral Researcher at Biomedical Research Foundation of the Academy of Athens (BRFAA), Cancer Biology lab

07/10/07–05/02/15 Ph.D. candidate at the Department of Biochemistry and Molecular Biology, University of Athens / Laboratory of Molecular Biology and Immunobiotechnology of Hellenic Pasteur Institute, Athens (Greece)

01/01/05–31/12/05 Research Scholar Evanston Northwestern Healthcare Research Institute, Laboratory of Breast Cancer Translational Research Evanston, IL (USA)

CURRENT POSITION

01/02/17-present Post-Doctoral Researcher BRFAA (Greece)

- Pancreatic cancer organoid generation
- Mouse models of cancer/ Synthesis and evaluation of myc inhibitors
- The role of ALDH1B1 in pancreatic cancer
- Fbw7 in diabetes

EDUCATION

05/09/22-16/09/22 FELASA accreditation/LAS for EU functions A/B/C/D (mice/rats)

07/10/07-05/02/15 Ph.D. in Biochemistry "**Construction, isolation and production of recombinant human antibody fragments against cancer antigens**" Department of Biochemistry and Molecular Biology, University of Athens / Laboratory of Molecular Biology and Immunobiotechnology of Hellenic Pasteur Institute Athens (Greece)

10/09/04-20/12/06 M.Sc. "Molecular and Cellular Etiology, Diagnostics and Therapeutics of human Diseases" Feinberg School of Medicine, Northwestern University / School of Medicine, University of Crete/ M.Sc. thesis "**Characterization of the molecular and cellular mechanisms that contribute to the tumorigenic and metastatic properties of Heregulin in breast cancer**" / The Breast Cancer Translational

Research Laboratory, Feinberg School of Medicine, Northwestern University, Chicago, U.S.A.

30/09/99-06/05/04 B.Sc. Biology Biology Department, University of Crete, Heraclion (Greece) - Thesis "**Role of neuropeptides of the CRH family in the immune response to cancer**" (degree thesis 10) / Clinical Chemistry Laboratory/ Medical School of Crete

SELECTED PUBLICATIONS (total number 16 – hi11)

- "Fatty acid synthase enables HER2-driven breast cancer resistance to Tamoxifen" Javier A. Menendez, **Adriana Papadimitropoulou***, Travis Vander Steen, Bharvi P. Oza-Gajera, Elisabet Cuyàs, Sara Verdura, Ingrid Espinoza, Luciano Vellon, Inderjit Mehmi, Ruth Lupu **in press** Cancers 2021, 13, 1132. <https://doi.org/10.3390/cancers13051132> (***Equal first author**)
- "Progesterone receptor isoform-dependent cross-talk between prolactin and fatty acid synthase in breast cancer." Menendez JA, Peirce SK, **Papadimitropoulou A**, Cuyàs E, Steen TV, Verdura S, Vellon L, Chen WY, Lupu R. Aging (Albany NY). 2020 Dec 10;12(24):24671-24692. doi: 10.18632/aging.202289. Epub 2020 Dec 10.
- "Heregulin Drives Endocrine Resistance by Altering IL-8 Expression in ER-Positive Breast Cancer." **Papadimitropoulou A**, Vellon L, Atlas E, Steen TV, Cuyàs E, Verdura S, Espinoza I, Menendez JA, Lupu R. Int J Mol Sci. 2020 Oct 19;21(20):7737. doi: 10.3390/ijms21207737.
- "Fatty Acid Synthase Is a Key Enabler for Endocrine Resistance in Heregulin-Overexpressing Luminal B-Like Breast Cancer." Menendez JA, Mehmi I, **Papadimitropoulou A**, Vander Steen T, Cuyàs E, Verdura S, Espinoza I, Vellon L, Atlas E, Lupu R. Int J Mol Sci. 2020 Oct 16;21(20):7661. doi: 10.3390/ijms21207661.
- "Pancreatic Cancer and Cachexia-Metabolic Mechanisms and Novel Insights." Poulia KA, Sarantis P, Antoniadou D, Koustas E, **Papadimitropoulou A**, Papavassiliou AG, Karamouzis MV. Nutrients. 2020 May 26;12(6):1543. doi: 10.3390/nu12061543
- "Pancreatic ductal adenocarcinoma: Treatment hurdles, tumor microenvironment and immunotherapy." Sarantis P, Koustas E, **Papadimitropoulou A***, Papavassiliou AG, Karamouzis MV. World J Gastrointest Oncol. 2020 Feb 15;12(2):173-181 doi: 10.4251/wjgo.v12.i2.173. (***Equal first author**).
- "Aldh1b1 expression defines progenitor cells in the adult pancreas and is required for Kras-induced pancreatic cancer." Mameishvili E, Serafimidis I, Iwaszkiewicz S, Lesche M, Reinhardt S, Bölicke N, Büttner M, Stellas D, **Papadimitropoulou A**, Szabolcs M, Anastassiadis K, Dahl A, Theis F, Efstratiadis A, Gavalas A. Proc Natl Acad Sci U S A. 2019 Oct 8;116(41):20679-20688. doi: 10.1073/pnas.1901075116. Epub 2019 Sep 23.
- "Blockade of a key region in the extracellular domain inhibits HER2 dimerization and signaling." Menendez JA, Schroeder B, Peirce SK, Vellon L, **Papadimitropoulou A**, Espinoza I, Lupu R. J Natl Cancer Inst. 2015 Apr 16; 107(6):djv090. doi: 10.1093/jnci/djv090. Print 2015 Jun.
- "The glycosylated IgII extracellular domain of EMMPRIN is implicated in the induction of MMP-2." **Adriana Papadimitropoulou** and Avgi Mamalaki Mol Cell Biochem 2013 Jul; 379(1-2):107-13 doi: 10.1007/s11010-013-1632-8. Epub 2013 Apr 6.