



Σύντομο Βιογραφικό Σημείωμα: Ιωάννα Μαρουλάκου, Ph.D.

Θέση:	Καθηγήτρια Γενετικής του Τμήματος Μοριακής Βιολογίας και Γενετικής (ΤΜΒΓ) Διευθύντρια του Εργαστηρίου Γενετικής & Γονιδιωματικής του Καρκίνου και Χρόνιων Ασθενειών του ΤΜΒΓ, ΔΠΘ
Εκπαίδευση/ Εξειδίκευση:	1984 B.Sc. in Biology, University of Athens, Athens Greece 1990 Ph.D in Biology, University of Athens, Athens Greece
Ερευνητική Εμπειρία & Θέσεις:	1991-1996: Postdoc in Molecular Oncology, National Cancer Institute, NIH, USA 1984-1990: Graduate Student, Laboratory of Biology, School of Health Sciences, University of Athens, Athens, Greece 1988: Guest Investigator Fellowship, Laboratory of Cell Biology, Rockefeller University, New York, USA 1991-1996: Post-doctoral Fellow, Laboratory of Molecular Oncology, National Cancer Institute, USA 1996-2003: Assistant Professor, Dept. of Medicine, Medical University of South Carolina, Charleston, USA 2003-2009: Assistant Professor, Dept. of Medicine, Tufts University School of Medicine, Boston, USA 2003-2009: Investigator, Molecular Oncology Research Institute, Tufts NEMC, Boston, USA 2009: Associate Professor, Dept. of Pharmacology and Toxicology, Cancer Institute, UMMC, Jackson, USA 2010–today: Professor of Genetics, Dept. of Molecular Biology and Genetics (MBG), Democritus University of Thrace, (DUTH)
Ερευνητικά Ενδιαφέροντα:	-Genetically engineered animal models of human disease. -Mechanisms of cancer development and progression. -Tumor dormancy and recurrence. -Effects of Cancer Drugs in Brain & Behavior -Biomarkers, in the early phase and the evolutionary stages of Alzheimer's disease -Epigenetic dysregulation in Alzheimer's disease -Novel genetically engineered mouse model systems, ex vivo cultures of organoids and tissue. -Genomics and computational biology.
Επιστημονικές Δραστηριότητες: Θέσεις & Διακρίσεις	2013-2014 Deputy Chair of the Department of MBG, DUTH, 2013-2018 Director of the MscProgramme “ <i>Translational Research in Biomedicine</i> ” at MBG 2018- 2021 President of the Research Ethics Committee at DUTH 2010- 2020.Head of Laboratory “ <i>Population Genetics and Evolution</i> ” at MBG 2020- today Head of Laboratory “ <i>Genetics & Genomics of Cancer and Chronic Diseases</i> ” at MBG
Διακρίσεις & Βραβεία	9/86-9/90 National Graduate Fellowship, University of Athens, Greece 9/87 Grant from European Training Programme (ETP) in Italy 6/88-12/88 Guest Investigator Fellowship, Laboratory of Cell Biology, Rockefeller University, USA 6/91-6/93 Fogarty Fellowship, Laboratory of Molecular Oncology, National Cancer Institute (NCI), NIH, USA



6/93-5/96 Renewal of Fogarty Fellowship, Laboratory of Molecular Oncology, NCI, NIH, USA

Διακρίσεις-

Μέλος

**Επιστημονικών
Συλλόγων**

&

Βιβλιομετρικά

Δεδομένα

Member, American Association for Cancer Research
Member, American Association for the Advancement of Science
Member, *European Association for Cancer Research*
Member, Hellenic Society of Biochemistry and Molecular Biology
Member, Hellenic Association of Medical Geneticists
Supervisor in 8 Ph.D. theses, 17 M.Sc. theses, 35 B.Sc. theses, Advisory committee member in 11 Ph.D. theses
>60 abstracts in international and national conferences
38 publications in peer-reviewed international journals,
>2508 citations (Scopus),
h-index 23(Scopus) (13/11/2024).

Participation in 15 funded competitive research projects.

Selected recent funded projects:

1. 2020-2023: €3.000.000, GSRT, InTechThrace: Integrated Technologies in biomedical research: multilevel biomarker analysis in Thrace”
Role: Investigator-PI infrastructure Infrafrontier/Phenotypes-GR
2. 2017-2020: €200.000, GSRT, Programme for Infrastructure: Infrafrontier/Phenotypes-GR, Role: PI for DUTH
3. 2019-2022: €33.000, GSRT, Programme for Infrastructure: EATRIS-GR, Role: PI for DUTH

Ανταγωνιστικές

Χρηματοδοτήσεις

1.Talli I, Dovrolis N, Oulas A, Stavrakaki S, Makedou K, Spyrou GM, **Maroulakou I**. Novel clinical, molecular and bioinformatics insights into the genetic background of autism. *Hum Genomics*. 2022 Sep 18;16(1):39.

2. Dovrolis N, Nikou M, Gkrouzoudi A, Dimitriadis N, **Maroulakou I**. Unlocking the Memory Component of Alzheimer’s Disease: Biological Processes and Pathways across Brain Regions. *Biomolecules*. 2022 Feb 6;12(2):263.

3.Dovrolis N, Kolios G, Spyrou GM, **Maroulakou I**. Computational profiling of the gut-brain axis: microflora dysbiosis insights to neurological disorders. *Brief Bioinform*. 2019 May 21;20(3):825-841.

4.Dovrolis N, Kolios G, Spyrou G, **Maroulakou I**. Laying in silico pipelines for drug repositioning: a paradigm in ensemble analysis for neurodegenerative diseases. *Drug Discov Today*. 2017 May;22(5):805-813.

5.Iliopoulos D, Polytarchou C, Hatzia Apostolou M, Kottakis F, **Maroulakou IG**, Struhl K, Tsihchlis PN. MicroRNAs differentially regulated by Akt isoforms control EMT and stem cell renewal in cancer cells. *Science Signal*. 2009 Oct 13;2(92):ra62.

6.**Maroulakou IG**, Oemler W, Naber SP, Tsihchlis PN. Akt1 ablation inhibits, whereas Akt2 ablation accelerates, the development of mammary adenocarcinomas in Mouse Mammary Tumor Virus (MMTV)-ErbB2/Neu and PolyomaMiddle T mice. *Cancer Res* 2007; 67(1): 167-77(Corresponding Author). *Highlighted in the front page of “Cancer Research” as selected article from the January1, 2007 issue.*

7.Bowe, D. B., Kenney, N. J., Adereth Y.and **Maroulakou, I. G.**: Suppression of her2/neu mammary tumor growth in Cyclin D1-deficient mice is compensated for by cyclin E. *Oncogene*, 21:291-298, 2002 (corresponding author).

Ενδεικτικές

Δημοσιεύσεις



Highlighted in The New England Journal of Medicine, section Clinical Implications of Basic Research, entitled “The Reciprocal Dance between Cancer and Development” by Lewis A. Chodosh. 2002.Vol.347 (2):134-136.

8. **Maroulakou, I.G.**, Papas, TS., and Green, JE: Differential expression of ets-1 and ets-2 protooncogenes during murine embryogenesis. Oncogene 9: 1551-1565, 1994.

9. **Maroulakou, I. G.**, Anver, M., Garrett, L., and Green, J. E.: Prostate and breast cancer in transgenic mice carrying a rat C3(1) SV40 TAG fusion gene. Proc. Natl. Acad. Sci. USA 91: 11236-11240, 1994.

GoogleScholar: <https://scholar.google.com/citations?user=sgSvkeoAAAAJ>
