

Curriculum Vitae

Marios A. Diamantopoulos, Ph.D.

Biologist – Molecular Biology Researcher

Postdoctoral Researcher | Department of Biochemistry & Molecular Biology, Faculty of Biology, National and Kapodistrian University of Athens (NKUA)

Education

- **Postdoctoral Researcher:** Research on ncRNAs as molecular biomarkers in solid tumors, Department of Biochemistry & Molecular Biology, Faculty of Biology, NKUA, Greece. (Supervisor: Prof. A. Scorilas) (2022 – Present)
- **Ph.D. in Molecular Biology:** Thesis: “Identification, characterization and study of novel non-coding RNAs (ncRNAs) as molecular biomarkers in solid tumors” Department of Biochemistry & Molecular Biology, Faculty of Biology, School of Sciences, NKUA, Greece (Admitted exceptionally without MSc according to Greek Law 3685/2008), Grade: Excellent (2017 – 2022)
- **B.Sc. in Biology:** Faculty of Biology, NKUA (2012– 2016)

Scientific Output – Metrics Overview

- **16 publications in peer-reviewed international scientific journals** (e.g., *Expert Review of Molecular Diagnostics*, *Gene*, *Int. J. Mol. Sci.*, *Sci. Total Environ.*, *Genes*, *Hematol. Oncol.*, *Ann. Transl. Med.*, *Leuk. Lymphoma*, *Dis. Markers*, *Leuk. Res.*, *Clin. Chem. Lab. Med.*, *Nature Medicine*, *Clinical Chemistry*, *EMBO Reports*, *J. Clin. Oncol.*, *Cancer Res.*, *Clin. Cancer Res.*, *Cancer Lett.*, etc.)
- **Total Impact Factor: 86.38** (5.75 per publication)
- **Citations: 347** (Google Scholar, June 2025)
- **h-index: 9** (Google Scholar, June 2025)
- **138 original transcript submissions to GenBank (NCBI)**
- **32 publications** in International and National conference scientific conferences
- **Author of 1 book chapter**
- **>10 times invited speaker** in international and national scientific conferences

Research Interests

- Identification and characterization of novel molecular cancer biomarkers
- Non-coding RNAs (ncRNAs)
- Next/Third Generation Sequencing (NGS/TGS)
- Discovery and functional validation of novel transcripts and therapeutic targets
- Development of ultrasensitive molecular and immunochemical diagnostic assays
- Pharmacogenomics: Molecular methods for predicting response to anticancer agents
- SARS-CoV-2 and Influenza virus surveillance in wastewater (COVID-19 framework)

Honors & Awards

- Award by the International Society for Enzymology (ISE), 2019
- Peer Reviewer for journals: *Scientific Reports*, *BMC Cancer*, *IJMS*, *Biomolecules*, and others

Professional Experience

- **Postdoctoral Researcher**, Department of Biochemistry & Molecular Biology, Faculty of Biology, NKUA (2022 – Present), Research on ncRNAs as biomarkers in solid tumors (Supervisor: Prof. A. Scorilas)
- **Lecturer**, MSc Program “Clinical Biochemistry – Molecular Diagnostics”, NKUA, Courses: Principles of Biostatistics & Bioinformatics (1st semester), Molecular Basis of Human Diseases (1st semester), Pathobiochemistry (2nd semester)
- **Scientific & Administrative Support**, MSc Program “Clinical Biochemistry – Molecular Diagnostics”, NKUA (2017 – Present)

- **Postdoctoral Researcher**, Analytical Chemistry Lab – Department of Chemistry, NKUA (11/2022 – 11/2023)
Research on pharmaceutical compound detection in wastewater for SARS-CoV-2 monitoring. (Supervisor: Prof. N. Thomaidis)
- **Internship**, Department of Biochemistry – General Hospital of Athens “Evangelismos” (03/2015 – 06/2015)
Hands-on training on cancer biomarkers, biochemical analyzers, therapeutic drug monitoring

Publications in Peer-Reviewed International Journals

- **Marios A. Diamantopoulos**, Panagiotis G. Adamopoulos and Andreas Scorilas. Small non-coding RNAs as diagnostic, prognostic and predictive biomarkers of gynaecological cancers: an update, Expert Review of Molecular Diagnostics. 2024 Oct 10:1-17. doi: 10.1080/14737159.2024.2408740.
- **Marios A. Diamantopoulos**, Panagiotis G. Adamopoulos, Panagiotis Tsiakanikas, Thodoris Nissotakis, Paraskevi C. Skourou and Andreas Scorilas. Unraveling novel mRNA transcripts of the human DNA N-glycosylase 1 (NTHL1) gene with the implementation of an innovative targeted DNA-seq assay, Gene. 2024 Aug 13:148856; doi:10.1016/j.gene.2024.148856.
- **Marios A. Diamantopoulos**, Konstantina K. Georgoulia, Panagiotis Levis, Georgios Kotronopoulos, Konstantinos Stravodimos, Christos K. Kontos, Margaritis Avgeris, Andreas Scorilas. 28S rRNA-derived fragments represent independent molecular predictor of prostate cancer short-term relapse, Int. J. Mol. Sci. 2023 Dec 23;25(1):239; doi: 10.3390/ijms25010239.
- **Marios A Diamantopoulos**, Kontos CK, Kerimis D, Papadopoulos IN, Scorilas A. Upregulated miR-16 expression is an independent indicator of relapse and poor overall survival of colorectal adenocarcinoma patients. Clin Chem Lab Med. 2017 May 1;55(5):737-747. doi: 10.1515/cclm-2016-0756.
- **Marios A Diamantopoulos**, Tsiakanikas P, Scorilas A. Non-coding RNAs: the riddle of the transcriptome and their perspectives in cancer. Ann Transl Med. 2018 Jun;6(12):241.doi: 10.21037/atm.2018.06.10.
- **Diamantopoulos, M.A.**, Adamopoulos, P., Fragoulis, E. G. and Scorilas. A. (2025). Nucleic Acid Sequencing: From the Sanger Method to Massively Parallel Sequencing and Modern Applications of Molecular Diagnostics. In: A. Ch. Hadjichambis, D. Mappouras, M. Hadjineophytou, P. Matsouka, P. Neophytou, M. A. Tsiarli, S. Constantinou (Eds). Biological Cyprus: Trends and developments in biological research of the 21st century (pp 25- 63). Nicosia: Cyprus Biological Society. ISBN 978-9925-7814-3-0. (**Book Chapter**)
- **Diamantopoulos MA**, Georgoulia K., Scorilas A. Identification and expression analysis of ten novel small non-coding RNAs (sncRNAs) in cancer cells, using an in-house developed high-throughput sequencing approach. Gene. 2021 Oct 25:146025. doi: 10.1016/j.gene.2021.146025.
- Panagiotis G. Adamopoulos, **Marios A. Diamantopoulos**, Michaela A. Boti, Anastasia Zafeiriadou, Aikaterini Galani, Marios Kostakis, Athina Markou, Diamantis C. Sideris, Margaritis Avgeris, Nikolaos S. Thomaidis and Andreas Scorilas, Spike-Seq: An amplicon-based high-throughput sequencing approach for the sensitive detection and characterization of SARS-CoV-2 genetic variations in environmental samples. Sci Total Environ. 2023 Dec 28;914:169747.doi: 10.1016/j.scitotenv.2023.169747.
- Papageorgiou SG, **Marios A Diamantopoulos**, Kontos CK, Bouchla A, Vasilatou D, Bazani E, Scorilas A, Pappa V. MicroRNA-92a-3p overexpression in peripheral blood mononuclear cells is an independent predictor of prolonged overall survival of patients with chronic lymphocytic leukemia. Leuk Lymphoma. 2018 Jun 18:1-10. doi: 10.1080/10428194.2018.1461861.
- Maria Papatsirou, **Marios A. Diamantopoulos**, Katerina Katsaraki, Dimitris Kletsas, Christos K. Kontos, Andreas Scorilas. Identification of novel circular RNAs of the human protein arginine methyltransferase 1 (PRMT1) gene, expressed in breast cancer cells Genes. 2022 Jun genes-1764887. doi: 10.3390/genes13071133.
- Athina N Markou, Aikaterini Galani, Lampros Dimitrakopoulos, Aikaterini Kontou, Marios Kostakis, Vasileios Kapes, **Marios A Diamantopoulos**, Panagiotis G Adamopoulos, Margaritis Avgeris, Evi Lianidou, Andreas Scorilas, Dimitrios Paraskevis, Sotirios Tsiodras, Meletios-Athanasios Dimopoulos, Nikolaos S. Thomaidis. Delta SARS-CoV-2 ariant is entirely substituted by the omicron variant during the fifth COVID19 wave in Attica region. Sci Total Environ. 2023 Jan 15;856(Pt 1):159062. doi:10.1016/j.scitotenv.2022.159062.
- Athina N Markou, Aikaterini Galani, Lampros Dimitrakopoulos, Aikaterini Kontou, Marios Kostakis, Vasileios Kapes, **Marios A Diamantopoulos**, Panagiotis G Adamopoulos, Margaritis Avgeris, Evi Lianidou, Andreas Scorilas, Dimitrios Paraskevis, Sotirios Tsiodras, Meletios-Athanasios Dimopoulos, Nikolaos S. Thomaidis.

Corrigendum to "Delta SARS-CoV-2 variant is entirely substituted by the omicron variant during the fifth COVID-19 wave in Attica region" [Sci. Total Environ., 856(Pt 1) (2023)/159062]. Sci Total Environ. 2023 Feb 20;860:160544. doi: 10.1016/j.scitotenv.2022.160544.

- Papageorgiou SG, Kontos CK, Kotsianidis I, Vasilatou D, Symeonidis A, Galanopoulos A, Bouchla A, Hatzimichael E, Repousis P, Zikos P, Viniou NA, Poulakidas E, Vassilakopoulos TP, Diamantopoulos P, **Diamantopoulos MA**, Mparmparousi D, Bouronikou E, Papadaki H, Panayiotidis P, Pappa V. The outcome of patients with high-risk MDS achieving stable disease after treatment with 5-azacytidine: A retrospective analysis of the Hellenic (Greek) MDS Study Group. Hematol Oncol. 2018 Oct;36(4):693-700. doi: 10.1002/hon.2551.
- Adamopoulos PG, Kontos CK, **Diamantopoulos MA**, Scorilas A. Molecular cloning of novel transcripts of the adaptor-related protein complex 2 alpha 1 subunit (AP2A1) gene, using Next-Generation Sequencing. Gene. 2018 Dec 15;678:55-64. doi: 10.1016/j.gene.2018.08.008.
- Papageorgiou SG, Kontos CK, **Marios A Diamantopoulos**, Bouchla A, Glezou E, Bazani E, Pappa V, Scorilas A. MicroRNA-155-5p Overexpression in Peripheral Blood Mononuclear Cells of Chronic Lymphocytic Leukemia Patients Is a Novel, Independent Molecular Biomarker of Poor Prognosis. Dis Markers. 2017;2017:2046545. doi: 10.1155/2017/2046545.
- Kontos CK, Papageorgiou SG, **Marios A Diamantopoulos**, Scorilas A, Bazani E, Vasilatou D, Gkontopoulos K, Glezou E, Stavroulaki G, Dimitriadis G, Pappa V. mRNA overexpression of the hypoxia inducible factor 1 alpha subunit gene (HIF1A): An independent predictor of poor overall survival in chronic lymphocytic leukemia. Leuk Res. 2017 Feb;53:65-73. doi: 10.1016/j.leukres.2016.11.014.
- **Marios A. Diamantopoulos**, Michaela A. Boti, Triantafyllia Sarri, Giannis Tounias, Despoina D. Psychogyiou and Andreas Scorilas. Regulation of Biomarker Analysis: What Can Be Translated in the Clinic? Expert Review of Molecular Diagnostics. June 2025