



Academic Personnel Short Profile / Short CV

Institution:	The Cyprus Institute of Neurology and Genetics (CING)
Surname:	Tomazou
Name:	Marios
Rank/Position:	Associate Scientist
Program of Study:	MSc in Molecular Medicine / MSc in Medical Genetics / MSc in Neuroscience / MSc in Biomedical Research / MSc in Biotechnology / PhD in Molecular Medicine / PhD in Medical Genetics / PhD in Neuroscience
Scientific Domain: *	Bioinformatics

**Field of Specialization*

Academic qualifications / (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
PhD Bioengineering	2015	Imperial College London	Bioengineering Department	Towards Light Based Dynamic Control of Synthetic Biological Systems.
MRes Systems and Synthetic Biology	2010	Imperial College London	Bioengineering Department	Temporal control over cellular metabolism upon light activation.
BSc Biology	2009	National and Kapodistrian University of Athens	Department of Biology	Computational studies on GPI-anchored proteins



Qualification	Year	Awarding Institution	Department	Thesis title

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2022	Present	Cyprus Institute of Neurology and Genetics	Nicosia, Cyprus	Associate Scientist
2019	2022	Cyprus Institute of Neurology and Genetics	Nicosia, Cyprus	Post-Doctoral Fellow
2018	2019	Stremble Ventures LTD	Limassol, Cyprus	Senior Scientist
2015	2018	Imperial College London	London, UK	Research Associate
2013	2015	Imperial College London	London, UK	Research Assistant
2012	2013	Imperial College London	London, UK	Lab Technician

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. No.	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	Selective Delivery to Cardiac Muscle Cells Using Cell-Specific Aptamers	Styliana Philippou, Nikolaos P Mastrogiannopoulos, Marios Tomazou,	MDPI Pharmaceuticals	16	1264

Ref. No.	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
			Anastasios Oulas, Matthew Ackers-Johnson, Roger S Foo, George M Spyrou, Leonidas A Phylactou			
2	2023	Bacterial Wars—a tool for the prediction of bacterial predominance based on network analysis measures	Anastasis Oulas, George Minadakis, Margarita Zachariou, Marios Tomazou, Alexios Vlamis- Gardikas, George M Spyrou	Oxford University Press NAR Genomics and Bioinformatics	5	2
3	2023	Methylation status of hypothalamic Mkrn3 promoter across puberty	Pavlos Fanis, Maria Morrou, Marios Tomazou, Kyriaki Michailidou, George M Spyrou, Meropi Toumba, Nicos Skordis, Vassos Neocleous, Leonidas A Phylactou	Frontiers Frontiers in endocrinology	13	3555
4	2023	Vir2Drug: a drug repurposing framework based on protein similarities between pathogens	George Minadakis, Marios Tomazou, Nikolas Dietis, George M Spyrou	Oxford University Press Briefings in Bioinformatics	24	Bbac5 36
5	2022	Circulating small RNA signatures differentiate accurately the subtypes of muscular dystrophies: small-RNA next-generation sequencing analytics and functional insights	Andrea C Kakouri, Demetris Koutalianos, Andrie Koutsoulidou, Anastasis Oulas, Marios Tomazou, Nikoletta Nikolenko, Chris Turner, Andreas Roos, Anna Lusakowska, Katarzyna	Taylor & Francis RNA biology	19	507- 518



Ref. No.	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
			Janiszewska, George K Papadimas, Constantinos Papadopoulos, Evangelia Kararizou, Eleni Zamba Papanicolaou, Grainne Gorman, Hanns Lochmüller, George M Spyrou, Leonidas A Phylactou			
6	2018	Computational re-design of synthetic genetic oscillators for independent amplitude and frequency modulation	Marios Tomazou, Mauricio Barahona, Karen M Polizzi, Guy-Bart Stan	Elsevier Cell systems	6	4
7	2021	Multi-omics data integration and network-based analysis drives a multiplex drug repurposing approach to a shortlist of candidate drugs against COVID-19	Marios Tomazou, Marilena Bourdakou, George Minadakis, Margarita Zachariou, Anastasis Oulas, Evangelos Karatzas, Elena Loizidou, Andrea Kakouri, Christiana Christodoulou, Kyriaki Savva, Maria Zanti, Anna Onisiforou, Sotiroula Afxenti, Jan Richter, Christina Christodoulou, Theodoros Kyprianou, George Kolios, Nikolas Dietis, George Spyrou	Oxford Academic Briefings in Bioinformatics	0	1-24
8	2019	In silico identification of antimicrobial peptides in	Marios Tomazou, Anastasis Oulas,	MDPI Proteomes	7	32

Ref. No.	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
		the proteomes of goat and sheep milk and feta cheese	Athanasios K Anagnostopoulos, George Th Tsangaris, George M Spyrou			
9	2020	Intestinal microbiome analysis demonstrates azithromycin post-treatment effects improve when combined with lactulose	Elpiniki Nikolaou, Elena Kamilari, Dragana Savkov, Artemy Sergeev, Irina Zakharova, Paris Vogazianos, Marios Tomazou, Athos Antoniadis, Christos Shammas	Springer Singapore World Journal of Pediatrics	16	168-176
10	2021	miR-223-3p and miR-24-3p as novel serum-based biomarkers for myotonic dystrophy type 1	Demetris Koutalios, Andrie Koutsoulidou, Chrystalla Mytidou, Andrea C Kakouri, Anastasis Oulas, Marios Tomazou, Tassos C Kyriakides, Marianna Prokopi, Konstantinos Kapnisis, Nikoletta Nikolenko, Chris Turner, Anna Lusakowska, Katarzyna Janiszewska, George K Papadimas, Constantinos Papadopoulos, Evangelia Kararizou, George M Spyrou, Geneviève Gourdon, Eleni Zamba Papanicolaou, Grainne Gorman, Andreas	Elsevier Molecular Therapy-Methods & Clinical Development	23	169-183



Ref. No.	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
			Anayiotos, Hanns Lochmüller, Leonidas A Phylactou			

**Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. No.	Date	Topic	International / Local	Location*	Role in Exhibition
1	2/06/2022	Webinar on Next-Generation DNA-sequencing: from raw data to disease variants	International	Online	Presenter
2	7/11/2019	7TH INTERNATIONAL MULTITHEMATIC BIO-MEDICAL CONGRESS (IMBMC)	International	European University Cyprus	Presenter
3	27/10/2019	IEEE / BIBE conference 2019	International	Royal Olympic Hotel / Athens	Presenter
4	03/06/2018	2018 Synthetic Biology: Engineering, Evolution & Design (SEED)	International	JW Marriott Scottsdale Camelback Resort Scottsdale, AZ, US	Presenter
5	20/06/2017	2017 Synthetic Biology: Engineering, Evolution & Design (SEED)	International	Hyatt Regency, Vancouver, British Columbia, Canada	Presenter



Ref. No.	Date	Topic	International / Local	Location*	Role in Exhibition
6	18/07/2016	2016 Synthetic Biology: Engineering, Evolution & Design (SEED)	International	Hilton Chicago, Chicago, IL	Presenter
7	10/06/2015	2015 Synthetic Biology: Engineering, Evolution & Design (SEED)	International	Boston Park Plaza, US	Presenter
8	04/07/2014	2015 Synthetic Biology: Engineering, Evolution & Design (SEED)	International	Manhattan Beach, Los Angeles, CA, US	Presenter
9	2009	Hellenic Society for Biological Sciences	Local	Patras, Greece	Presenter
10					

* Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)

Ref. No.	Date	Title	Funded by	Project Role*
1	2023	Virtual screening of antimicrobial peptides against SARS-CoV-2 targets using molecular docking pipelines	Cyprus Institute & Cyprus Institute of Neurology and Genetics	Researcher
2	2023	Oct4 is a gatekeeper of epithelial identity by regulating cytoskeletal dynamics in skin keratinocytes	European Regional Development Fund and the Republic of Cyprus through the Research & Innovation Foundation (projects OPPORTUNITY/0916/ERC-StG/003 and INFRASTRUCTURES/1216/0034)	Researcher team member
3	2023	Elucidation of risk factors and health determinants associated with PROGRESSION of Monoclonal Gammopathies to Multiple Myeloma	Horizon Europe	Researcher team member
4	2022	Machine Learning based models for the diagnosis of Dysphagia in MS Patients	Cyprus Institute & Cyprus Institute of Neurology and Genetics	Researcher team member
5	2021	Genetic Biomarkers associated with the severity of CMT1A manifestation	IONIS Pharmaceuticals	Researcher team member
6	2019	Drug Repurposing approaches against SARS-CoV-2	BIORISE Europe (Bioinformatics ERA Chair grant)	Researcher
7	2019	Bioactive peptides in whole proteomes of bacteria	BIORISE Europe (Bioinformatics ERA Chair grant)	Researcher
8	2018	iBorderCtrl - Intelligent Portable Border Control System	Horizon 2000 Europe	Researcher team member



Ref. No.	Date	Title	Funded by	Project Role*
9	2017	A novel, fast and efficient resource recycling system for improving the performance of engineered bacteria	UK EPSRC grant (EP/P009352/1)	Researcher
10	2013	Control Engineering Inspired Design Tools for Synthetic Biology'	UK EPSRC funded joint project with Imperial, Oxford and Cambridge University	Researcher team member

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*



**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. No.	Period	Organization	Title of Position or Service	Key Activities
1				
2				
3				
4				
5				

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. No.	Date	Title	Awarded by:
1	2020	Bioactive Peptides in Extra Virgin Olive Oil Study - Grant	World Olive Centre for Health
2	2016	A novel, fast and efficient resource recycling system for improving the performance of engineered bacteria Grant EP/P009352/1	EPSRC Council, United Kingdom
3	2009	MRes in Systems and Synthetic Biology Scholarship	Imperial College London, United Kingdom
4			
5			
6			
7			
8			
9			
10			



ΦΟΡΕΑΣ ΔΙΑΣΦΑΛΙΣΗΣ ΚΑΙ ΠΙΣΤΟΠΟΙΗΣΗΣ ΤΗΣ ΠΟΙΟΤΗΤΑΣ ΤΗΣ ΑΝΩΤΕΡΗΣ ΕΚΠΑΙΔΕΥΣΗΣ
CYPRUS AGENCY OF QUALITY ASSURANCE AND ACCREDITATION IN HIGHER EDUCATION





ΔΙΠΑΕ
CYQAA

ΦΟΡΕΑΣ ΔΙΑΣΦΑΛΙΣΗΣ ΚΑΙ ΠΙΣΤΟΠΟΙΗΣΗΣ ΤΗΣ ΠΟΙΟΤΗΤΑΣ ΤΗΣ ΑΝΩΤΕΡΗΣ ΕΚΠΑΙΔΕΥΣΗΣ
CYPRUS AGENCY OF QUALITY ASSURANCE AND ACCREDITATION IN HIGHER EDUCATION



eqar /// enqa.

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. No.	Date	Title	Key Activities:
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			