



Academic Personnel Short Profile / Short CV

Institution:	The Cyprus Institute of Neurology and Genetics (CING)
Surname:	Demetriadou
Name:	Anthi
Rank/Position:	Associate Faculty
Program of Study:	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: *	Molecular Medicine

**Field of Specialization*

Academic qualifications / (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
PhD in Molecular Medicine	2017	The Cyprus Institute of Neurology and Genetics	Biochemical Genetics	Insights into the mechanisms of glycogen metabolism and implications for Pompe disease
MSc in Molecular Basis of Human Disease	2012	University of Crete, Greece	Haemopoiesis Research Laboratory	Study of the NF-YA transcription factor in human bone marrow mesenchymal stem cells
BSc in Biology	2010	University of Crete, Greece	J. Papamatheakis Laboratory	Μελέτη του μονοπατιού Wnt και της πιθανής συμμετοχής του χρωματινικού παράγοντα SATB1

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

Period of employment		Employer	Location	Position
From	To			
October 2022	Present	The Cyprus Institute of Neurology and Genetics	Biochemical Genetics Department	Associate Scientist
February 2018	September 2022	The Cyprus Institute of Neurology and Genetics	Molecular Genetics Thalassemia Department	Laboratory Scientific Officer

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	2020	Stbd1 promotes glycogen clustering during endoplasmic reticulum stress and supports survival of mouse myoblasts	Lytridou AA, Demetriadou A , Christou M, Potamiti L, Mastrogiannopoulos PN, Kyriacou K, Phylactou AL, Drousiotou A, Petrou PP	Journal of Cell Science	133	jcs244855
2	2017	The “sweet” side of ER-mitochondria contact sites	Demetriadou A , Drousiotou A, Petros PP.	Communicative and Integrative Biology	10	e1329787-1-5
3	2017	Mouse Stbd1 is N-myristoylated and affects ER-mitochondria association and mitochondrial morphology	Demetriadou A , Morales-Sanfrutos J, Nearchou M, Baba O, Kyriacou K, Tate EW, Drousiotou A, Petrou PP.	Journal of Cell Science	130	903–915

Ref. No.	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
4	2014	Impaired proliferative potential of bone marrow mesenchymal stromal cells in patients with myelodysplastic syndromes is associated with abnormal WNT signaling pathway	Pavlaki K, Pontikoglou CG, Demetriadou A , Batsali AK, Damianaki A, Simantirakis E, Kontakis M, Galanopoulos A, Kotsianidis I, Kastrinaki MC, Papadaki HA	Stem Cells and Development	23	1568-1581
5						
6						
7						
8						
9						
10						

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	24-27 October 2023	Identification of novel γ -globin repressors through a custom CRISPR knockout screen and validation studies for the treatment of β -haemoglobinopathies	International 30 th Annual Congress of European Society of Gene and Cell Therapy	Brussels, Belgium	Poster presentation
2	26 -28 March 2023	Identification of novel γ -globin repressors through a custom CRISPR knockout screen and validation studies	International 6 th Congress of the Hellenic Society of Gene	Athens, Greece	Poster presentation

Ref. No.	Date	Topic	International / Local	Location*	Role in Exhibition
		for the treatment of β -haemoglobinopathies	Therapy and Regenerative Medicine		
3	17-18 March 2023	Identification of novel γ -globin repressors through a custom CRISPR knockout screen and validation studies for the treatment of β -haemoglobinopathies	Local 9 th International Conference of the Cyprus Society of Human Genetics (CSHG)	Nicosia, Cyprus	Poster presentation
4	3-5 November 2022	A custom CRISPR knockout screen to identify novel γ -globin repressors for the treatment of β -hemoglobinopathies	Local 10 th International Multithematic Scientific Bio-Medical Congress	Nicosia, Cyprus	Poster presentation
5	5-9 May 2022	A custom CRISPR knockout screen to identify novel γ -globin repressors for the treatment of β -haemoglobinopathies	International 22 nd Hemoglobin Switching Conference	Crete, Crece	Poster presentation
6	19-21 November 2021	A CRISPR knockout screen to identify novel γ -globin repressors for the treatment of β -haemoglobinopathies	International 15 th International Conference on Thalassaemia & Other Haemoglobinopathies and 17 th TIF conference for Patients and Parents	Virtual	Poster presentation
7	18-20 November 2021	A CRISPR knockout screen to identify novel γ -globin repressors for the treatment of β -haemoglobinopathies	Local 9 th International Multithematic Scientific Bio-Medical Congress	Nicosia, Cyprus	Poster presentation
8	9-12 September 2015	Stbd1, a selective autophagy receptor for glycogen, localizes to ER-mitochondria contact sites depending on its myristoylation status	International EMBO conference "Autophagy signaling and progression in health and disease"	Chia, Italy	Poster presentation



Ref. No.	Date	Topic	International / Local	Location*	Role in Exhibition
9	10-11 October 2014	<i>N</i> -myristoylation is an important determinant of the subcellular localization of the glycogen binding protein, Stbd1	Local 4 th International Conference of the Cyprus Society of Human Genetics (CSHG)	Nicosia, Cyprus	Oral presentation
10	14-17 June 2012	A Novel Role of NF-YA Transcription Factor in in Vitro Adipocyte Differentiation of Human Bone Marrow-Derived Mesenchymal Stem Cells	International 17 th Congress of EHA (European Hematology Association)	Amsterdam, The Netherlands	Poster presentation

*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	Aug 2019-Sep 2022	Omic studies of the mechanism of activation of gamma-globin for the treatment of hemoglobinopathies	Research and Innovation Foundation (RIF 1216/0389)	Researcher
2	Feb 2018-Jul 2019	Infradev-European Paediatric Translational Research Infrastructure (ID-EPTRI)	European Union's Horizon 2020 research and innovation Program - H2020-EU.1.4.1.1.	Researcher
3				
4				
5				
6				
7				
8				
9				
10				

**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	January-March 2016	Travel grant for a 2-month visit to University College London (UCL)	Boehringer Ingelheim Fonds
2	9-12 September 2015	Travel fellowship for attending the EMBO conference "Autophagy signaling and progression in health and disease" in Chia, Italy	European Molecular Biology Organization (EMBO)
3	10-11 October 2014	Young Investigator Award (First prize) for the oral presentation with title "N-myristoylation is an important determinant of the subcellular localization of the glycogen-binding protein, Stbd1"	Cyprus Society of Human Genetics (CSHG)
4			
5			
6			
7			
8			
9			



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



Ref. No.	Date	Title	Awarded by:
10			



**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			