



### Academic Personnel Short Profile / Short CV

<b>Institution:</b>	Cyprus Institute of Neurology and Genetics (CING)
<b>Surname:</b>	Phylactou
<b>Name:</b>	Leonidas
<b>Rank/Position:</b>	Professor
<b>Program of Study:</b>	MSc in Molecular Medicine / MSc in Neuroscience / MSc in Biomedical Research / MSc in Biotechnology / PhD in Molecular Medicine / PhD in Medical Genetics / PhD in Neuroscience
<b>Scientific Domain: *</b>	Molecular Genetics/Molecular Biology

### Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
PhD	1995	Birmingham University, UK	Department of Clinical Genetics	Antisense hammerhead ribozymes: application to the cleavage and down regulation of expression of FBN1 mRNA
BSc (Hons)	1992	Birmingham University, UK	Department of Biochemistry	

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

Period of employment		Employer	Location	Position
From	To			



Nov 2015	Today	Cyprus Institute of Neurology & Genetics	Nicosia, Cyprus	Chief Executive Medical Director
March 2014	July 2015	Cyprus Institute of Neurology & Genetics	Nicosia, Cyprus	Acting Chief Executive Medical Director
February 2005	Today	Cyprus Institute of Neurology & Genetics	Nicosia, Cyprus	Senior Scientist, Head of Dept of Molecular Genetics, Function and Therapy

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

Ref. Number	Year	Title	Other authors	Journal and Publisher/ Conference	Vol.	Pages
1	2019	Systemic Evaluation of chimeric LNA/2' O-Methyl steric blockers for DM1 therapy	Christou M, Wengel J, Sokratous K, Kyriacou, K, Nikolaou G, Mastrogiannopoulos N P	Nucleic Acid Therapy	2	80-93
2	2019	The spectrum of genetic defects in Congenital Adrenal Hyperplasia in the population of Cyprus: A retrospective analysis	Neocleous V, Fanis P, Toumba M, Stylianos C, Picolos M, Andreou E, Kyriakou A, Iasonides M, Nicolaou S, Kyriakides TC, Tanteles GA, Skordis N	Hormone and Metabolic Research	51	586-594
3	2019	Central Precocious Puberty Caused by Novel Mutations in	Pavlos Fanis, Nicos Skordis, Meropi Toumba,	Frontiers in Endocrinology	10	

		the Promoter and 5'-UTR Region of the Imprinted MKRN3 Gene	Nikoletta Papaioannou, Anestis Makris, Andreas Kyriakou, Vassos Neocleous			
4	2019	46,XY complete gonadal dysgenesis in a familial case with a rare mutation in the Desert Hedgehog (DHH) gene	Neocleous V, Fanis P, Cinarli F, Kokotsis V, Oulas A, Toumba M, Spyrou GM, Skordis N	Hormones	18	315-320
5	2019	A novel heterozygous duplication of the SLC12a3 gene in two Gitelman syndrome pedigrees: indicating a founder effect	Fanis P, Efstathiou E, Neocleous V, Hadjipanayis A	Journal of Genetics	98	
6	2018	Selection and identification of skeletal muscle-targeted RNA aptamers.	Styliana Philippou, Nikolaos P. Mastrogiannopoulos, Neoklis Makrides, Carsten W Lederer, Marina Kleanthous, Leonidas A. Phylactou.	Molecular Therapy–Nucleic Acids	10	199-214
7	2017	Identification of Exosomal Muscle-Specific miRNAs in Serum of Myotonic Dystrophy Patients Relating to Muscle Disease Progress.	Koutsoulidou A, Photiades, M, Kyriakides TC, Georgiou K, Prokopi M, Kapnisis K, Lusakowska A, Nearchou M, Christou Y, Papadimas GK, Anayiotos A, Kyriakou K,	Human Molecular Genetics	26	3285-3302



			Kararizou E, Zamba Papanicolaou E, Phylactou, LA.			
8						
9	2005	Woodchuck post-transcriptional element induces nuclear export of myotonic dystrophy 3' untranslated region transcripts.	Mastrogiannopoulos NP, Feldman ML, Uney JB, Mahadevan MS, Phylactou LA.	EMBO Rep.	6	458-63
10	1998	Ribozyme-mediated trans-splicing of a trinucleotide repeat. 1998 Apr;18(4):. PubMed PMID: 9537423.	Phylactou LA, Darrah C, Wood MJ.	Nat Genet.	18	378-81

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

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	10-12 January 2020	RNA-based biomarkers and therapy for muscular dystrophy.	International	3rd Congress of Pharmacogenomics and Personalized Diagnosis and	Invited speaker



				Therapy. University of Athens, Athens, Greece.	
2	Nov 2019	Use of Aptamers to deliver therapeutic genetic sequences in muscle	International	5 <sup>th</sup> International Electronic Conference on Medicinal Chemistry	Invited Speaker
3	10 June 2019	Muscle-specific miRNAs as Potential biomarkers of DM1 muscle wasting: identification and ontology	International	Outcome Measures in Myotonic Dystrophy type 1 (OMMYD-4) Meeting, Gothenburg, Sweden	Invited speaker
4	19-21 Sept 2019	Central Precocious Puberty Caused by Novel Mutations in the Promoter and 5'-UTR region of the Imprinted MKRN3 Gene	International	The 58th ESPE Meeting - European Society for Paediatric Endocrinology, Vienna, Austria	Oral Presentation
5	19-21 Sept 2019	Next Generation Sequencing in GnRH deficient patients with congenital hypogonadotropic hypogonadism: Novel findings in	International	The 58th ESPE Meeting - European Society for Paediatric	Poster Presentation



		KAL1, SRA1, WDR11, FGFR1, CHD7 and PROP1 genes'		Endocrinology, Vienna, Austria	
6	27-29 Sept 2018	Molecular screening of genes associated with central precocious puberty	International	57th Annual Meeting of the European Society of Paediatric Endocrinology, Athens, Greece	Oral Presentation
7	13-15 July 2017	A novel method for the delivery of therapeutic oligonucleotides in muscle	International	2nd National Festival and International Congress on Stem Cell and Regenerative Medicine, Tehran, Iran	Invited Speaker
8	14-16 Nov. 2016	Novel antisense oligonucleotides as a potential therapeutic tool for Duchenne muscular dystrophy	International	EUROTIDES 2016, Berlin, Germany	Oral Presentation
9	14-16 Nov 2016	Novel Oligonucleotides for the therapy of Myotonic Dystrophy	International	EUROTIDES 2016, Berlin, Germany	Oral Presentation
10	15-17 Sept 2011	Regulation and induction of myogenesis		9th Balkan Congress of Medical Genetics, Timisoara, Romania	Invited Speaker



<b>Research Projects. List the five (5) more recent and other five (5) selected (max total 10)</b>				
<b>Ref. Number</b>	<b>Date</b>	<b>Title</b>	<b>Funded by</b>	<b>Project Role*</b>
1	March 2020	Training in Exosomes in Muscular Dystrophies	Research & Innovation Foundation – Encouragement-H2020	Principal Investigator
2	July 2019- July 2020	A AV-mediated gene therapy approach for the treatment of DMD	Cyprus Seeds	Co-Principal Investigator
3	April 2019- March 2021	Developing MiRNA-based biomarkers for monitoring the progress in Myotonic Dystrophy Type I". AFM. 110,006 Euros.	AFM	Principal Investigator
4	Oct 2018- Sept 2020	Developing miRNA serum-based biomarkers for muscular dystrophies	Cyprus Research Promotion Foundation	Principal Investigator
5	Jan 2018- Jan 2021	Muscle molecular function and therapy	A G Leventis Foundation	Principal Investigator
6	Mar 2015- Feb 2017	Developing miRNA serum-based biomarkers for Myotonic Dystrophy type 1	AFM	Principal Investigator
7	2006-2008	The use of post-transcriptional regulatory elements to study myotonic dystrophy	AFM	Principal Investigator



8	2001-2004	Developing hammerhead ribozymes to investigate gene function during development	Human Frontiers Science Program Organisation	Principal Co-Investigator
9	2000-2003	Optimisation of RNA targeting and repair of the DM mutation by group I intron ribozymes	AFM	Principal Investigator
10	1999-2002	Ribozyme-mediated repair of the myotonic dystrophy mutation	Muscular Dystrophy Campaign UK	Principal Investigator

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

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	-	-	-	-

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

Ref. Number	Date	Title	Awarded by:
1	2020-	Member of the Editorial Board of the journal «Precision Medicine -ΕΞΑΤΟΜΙΚΕΥΜΕΝΗ ΙΑΤΡΙΚΗ»	
2	2018-	Member of the National Board for Research and Innovation	Appointed by the Council of Ministers



3	2018-	Member of the Editorial Board of the open-access journal of the International Society on Aptamers "Aptamers"	
4	2011-	Member of the editorial board of the international peer-review journal "Pharmaceuticals"	
5	2010-	Member of the editorial board of the international peer-review journal "Molecules"	

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

Ref. Number	Date	Title	Key Activities:
1	-	-	-