

Curriculum Vitae

Dr Pavlos I. NEOPHYTOU

Date and place of birth: 29 July 1967, Nicosia, Cyprus

Education

Institution	Degree	Years	Field of Study
University of Cambridge, U.K.	B.A. Honours	1987-90	Natural Sciences: Biochemistry
University of Cambridge, U.K.	M.A.	1990-94	Natural Sciences: Biochemistry
University of Cambridge, U.K.	Ph.D.	1990-95	Faculty of Clinical Medicine: Clinical Biochemistry
The Cyprus Institute of Neurology and Genetics	Postdoctoral Training	1994-97	Molecular Genetics

Professional Qualifications

Organisation	Title	Year	Title in Full
Council of Clinical Laboratories, Cyprus	Director	1998 and 2001	Clinical Laboratory Director registered in all fields: Biochemistry, Immunology, Microbiology, Haematology
Institute of Biomedical Science (IBMS, UK)	FIBMS	2000	Fellow of IBMS
The Science Council, UK	CSci	2005	Chartered Scientist
European Federation of Clinical Chemistry and Laboratory Medicine (EFLM)	EurClinChem	2009	European Specialist in Clinical Chemistry and Laboratory Medicine
	EuSpLM	2015	
Royal Society of Chemistry, UK	MRSC	2019	Member of the Royal Society of Chemistry

Employment

1998-now:	<p>Founder and Executive Director of the Mendel Center for Biomedical Sciences, Nicosia, Cyprus. The Mendel Center is a non-profit educational and research institution. The main focus of research since 2002 is Human Papilloma Virus (HPV).</p> <p>Also working as Director of my own clinical and chemical laboratory (Pavlos Neophytou Laboratory). This is a fully-licensed clinical laboratory that specializes in the provision of molecular pathology services (DNA diagnostic tests for infectious diseases, paternity tests, forensic genetics etc.).</p>
-----------	--

Honours and Professional Societies (other than those listed above)

Founder and Coordinator of the European HPV DNA test External Quality Assurance Scheme (EHEQAS, 2003-now) and of the International COVID-19 External Quality Assurance Scheme (ICOVEQAS, March 2020-now), member of the Board of Directors of the Cyprus Biological Society, founding member of the European Cervical Cancer Association (2007, ECCA-Belgium), member of the Board of Directors of the Cyprus Anti-Cancer Society (2007-now), member (1998-2009 and 2016-now) and member of the Board of Directors (2009-2016) of the Cyprus Association of Clinical Laboratory Directors, Biomedical and Clinical Laboratory Scientists, member of the Cyprus Society of Human Genetics (2004-now), representative of Cyprus in the Management Committee of EU-funded COST Action B20 on "Mammary Gland Development, Function and Cancer" (2001-2005), biography listed in Who is Who in the World (2000-now).

Publications and Grants

1. As chairman of the Mendel Center for Biomedical Sciences obtained nine grants as principal investigator and also participated in two grant-funded projects obtained by other colleagues. The total income of the Mendel Center from competitive research grants since its foundation (years 1998-2020) was €460,000.
2. 13 peer-reviewed publications listed in PubMed (Medline) with abstracts:
 - 2(1) Kidd KK, Bulbul O, Gurkan C, Dogan M, Dogan S, **Neophytou PI**, Cherni L, Gurwitz D, Speed WC, Murtha M, Kidd JR, Pakstis AJ. Genetic relationships of Southwest Asian and Mediterranean populations. *Forensic Sci Int Genet.* 2021 Jul;53:102528. doi: 10.1016/j.fsigen.2021.102528. Epub 2021 May 14. PMID: 34020230
 - 2(2) Pakstis AJ, Gurkan C, Dogan M, Balkaya HE, Dogan S, **Neophytou PI**, Cherni L, Boussetta S, Khodjet-EI-Khil H, Ben Ammar EIGaaied A, Salvo NM, Janssen K, Olsen GH, Hadi S, Almohammed EK, Pereira V, Truelsen DM, Bulbul O, Soundararajan U, Rajeevan H, Kidd JR, Kidd KK. Genetic relationships of European, Mediterranean, and SW Asian populations using a panel of 55 AISNPs. *Eur J Hum Genet.* 2019 Dec;27(12):1885-1893. doi: 10.1038/s41431-019-0466-6. Epub 2019 Jul 8. PMID: 31285530
 - 2(3) Hansen S, Lo B, Evans K, **Neophytou P**, Holmskov U, Wright JR. Surfactant protein D augments bacterial association but attenuates major histocompatibility complex class II presentation of bacterial antigens. *Am J Respir Cell Mol Biol.* 2007 Jan;36(1):94-102. Epub 2006 Aug 10. PMID: 16902193
 - 2(4) Capelli C, Redhead N, Romano V, Cali F, Lefranc G, Delague V, Megarbane A, Felice AE, Pascali VL, **Neophytou PI**, Poulli Z, Novelletto A, Malaspina P, Terrenato L, Berebbi A, Fellous M, Thomas MG, Goldstein DB. Population structure in the Mediterranean basin: a Y chromosome perspective. *Ann Hum Genet.* 2006 Mar;70(Pt 2):207-25. PMID: 16626331
 - 2(5) Dovrat S, Figer A, Fidler HH, **Neophytou P**, Fireman Z, Geva R, Zidan J, Flex D, Meir SB, Friedman E. Mutational analysis of hMsh6 in Israeli HNPCC and HNPCC-like families. *Fam Cancer.* 2005;4(4):291-4. PMID: 16341805
 - 2(6) Wreschner DH, McGuckin MA, Williams SJ, Baruch A, Yoeli M, Ziv R, Okun L, Zaretsky J, Smorodinsky N, Keydar I, **Neophytou P**, Stacey M, Lin HH, Gordon S. Generation of ligand-receptor alliances by "SEA" module-mediated cleavage of

- membrane-associated mucin proteins. *Protein Sci.* 2002 Mar;11(3):698-706. PMID: 11847293
- 2(7) Stavrou C, Pierides A, Zouvani I, Kyriacou K, Antignac C, **Neophytou P**, Christodoulou K, Deltas CC. Medullary cystic kidney disease with hyperuricemia and gout in a large Cypriot family: no allelism with nephronophthisis type 1. *Am J Med Genet.* 1998 May 1;77(2):149-54. PMID: 9605289
 - 2(8) Constantinides R, Xenophontos S, **Neophytou P**, Nomura S, Pierides A, Deltas CC New amino acid polymorphism, Ala/Val4058, in exon 45 of the polycystic kidney disease 1 gene: evolution of alleles. *Hum Genet.* 1997 May;99(5):644-7. PMID: 9150733
 - 2(9) **Neophytou P**, Constantinides R, Lazarou A, Pierides A and Constantinou Deltas C (1996) Detection of a novel nonsense mutation and an intragenic polymorphism in the PKD1 gene of a Cypriot family with autosomal dominant polycystic kidney disease. *Hum Genet.* 1996 Oct;98(4):437-42. PMID: 8792818
 - 2(10) **Neophytou PI**, Ozegbe P, Healey D, Quartey-Papafio R, Cooke A, Hutton JC Development of a procedure for the direct cloning of T-cell epitopes using bacterial expression systems. *J Immunol Methods.* 1996 Sep 13;196(1):63-72. PMID: 8841444
 - 2(11) **Neophytou PI**, Roep BO, Arden SD, Muir EM, Duinkerken G, Kallan A, de Vries R.R.P. and Hutton J.C. T-cell epitope analysis using subtracted expression libraries (TEASEL): Application to a 38-kDa autoantigen recognized by T-cells from an insulin-dependent diabetic patient. *Proc Natl Acad Sci U S A.* 1996 Mar 5;93(5):2014-8. PMID: 8700877
 - 2(12) **Neophytou PI**, Muir EM, Hutton JC A subtractive cloning approach to the identification of mRNAs specifically expressed in pancreatic beta-cells. *Diabetes.* 1996 Feb;45(2):127-33. PMID: 8549854
 - 2(13) Arden SD, Roep BO, **Neophytou PI**, Usac EF, Duinkerken G, de Vries RR, Hutton JC. Imogen 38: a novel 38-kD islet mitochondrial autoantigen recognized by T cells from a newly diagnosed type 1 diabetic patient. *J Clin Invest.* 1996 Jan 15;97(2):551-61. PMID: 8567980
3. Contributed to 78 entries listed in international DNA and protein sequence databases (EMBL/GenBank/DDBJ):
- a. First author of 19 novel mouse pancreatic islet beta-cell partial cDNA sequences: accession numbers Z47768-Z47786.
 - b. First author of 16 Human Papilloma Virus (HPV) proviral partial L1 gene sequences from 1 novel HPV types, 4 novel HPV subtypes and 11 HPV type variants: accession numbers AJ831565-AJ831568, AJ812226, AJ617544-AJ617551, AJ621382-AJ621384.
 - c. First author of 16 Human Papilloma Virus (HPV) major capsid protein sequences from 1 novel HPV types, 4 novel HPV subtypes and 11 HPV type variants: accession numbers CAH41940-CAH41943, CAH23235, CAF18536-CAF18538, CAE84962-CAE84969.
 - d. First author of 8 human loci amplified by HPV MY09/11 primers: accession numbers AJ831669-AJ831576.
 - e. Co-author of 8 mouse full-length cDNA sequences: zinc finger-DHHC domain (NM_178395), CUG triplet repeat isoform 1 (NM_017368), CUG triplet repeat

isoform 2 (NM_198683), 28S ribosomal protein S31mt (NM_020560), G protein-coupled receptor 177 (NM_026582), odd Oz/ten-m homolog 3 (NM_011857, NM_001145937), Imogen 44 (Z46966).

- f. Co-author of 10 mouse protein sequences: zinc finger-DHHC domain (NP_848482), CUG triplet repeat isoform 1 (NP_059064), CUG triplet repeat isoform 2 (NP_941955), Imogen 38 or 28S ribosomal protein S31mt (Q92665, Q61733, NP_065585), G protein-coupled receptor 177 (NP_080858), odd Oz/ten-m homolog 3 (NP_035987, NP_001139409), Imogen 44 (CAA87087).
 - g. Co-author of 1 human protein sequence: polycystin 1 (P98161).
4. Contributed to 4 entries listed in Online Mendelian Inheritance in Man (OMIM): Polycystic Kidney Disease 1 (entry no. 601313), Mitochondrial Ribosomal Protein S31 (entry no. 611992), Glucose-6-Phosphatase, Catalytic, 2 (entry no. 608058), Medullary Cystic Kidney Disease 1 (entry no. 174000).
 5. Author of more than 50 abstracts presented in national and international conferences. The most recent (oral and poster) presentations at international conferences described the European HPV DNA test External Quality Assurance Scheme (EHEQAS):

Neophytou P, Konya J, Tachezy R and Kroupis C. “EHEQAS” (2019) Oral presentation (invited speaker) at the Congress of the Hellenic Society of Clinical Chemistry – Clinical Biochemistry.

Neophytou P, Konya J, Tachezy R and Kroupis C. “EHEQAS” (2018) FEBS OPEN BIO 8, S326. Poster presentation at the Congress of the Federation of European Biochemical Societies (FEBS).

Neophytou P, Konya J, Tachezy R and Kroupis C. “EHEQAS” (2017) Clin. Chem. Lab Med, 55, S519. Oral presentation at the Congress of the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM).

Neophytou P., Konya J., Tachezy R., Kroupis C. and De Koning M. “EHEQAS” (2016) Oral Presentation OC01-01 at the Congress of the European Research Organization of Genital Infection and Neoplasia (EuROGIN).
 6. Chairman and main organizer of a very successful Workshop on the Microbiome that took place in February 2019 at the University of Nicosia, Cyprus. The workshop was organized by the Cyprus Biological Society and the FEBS Science and Society Committee, was co-organised by the University of Nicosia Medical School and the Cyprus Gastroenterology Society, was held under the auspices of the Ministry of Education and Culture and the Ministry of Health and received Continuous Professional Development points from 6 medical and scientific societies.