

Academic Curriculum Vitae of: **GREGORY PAPAGREGORIOU**, PhD

## PERSONAL INFORMATION

Work Address: Molecular Medicine Research Center  
The Medical School - SEKKY  
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- <http://www.biobank.cy/>
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- <http://scholar.google.com/citations?user=JJ74YX4AAAAJ&hl=en>
- <https://orcid.org/0000-0002-2440-9789>

## EDUCATION

May 2012            PhD in Molecular Biology  
Dept of Biological Sciences, University of Cyprus, Nicosia, Cyprus  
PhD Thesis: “microRNAs as genetic modifiers in inherited glomerulopathies”  
Supervisor: Prof. Constantinos Deltas

Aug 2006            MRes in Molecular and Medical Biosciences (Distinction)  
The Medical School, University of Newcastle, Newcastle-upon-Tyne, UK  
Thesis: “Investigation of the genetic basis of L-Dopa-Responsive Dystonia”  
Supervisor: Prof. Patrick F. Chinnery

Apr 2005            BSc in Biology (GPA:7.34-HONS)  
Department of Biology, Aristoteles University of Thessaloniki, Thessaloniki, Greece  
Thesis: “Investigation of the neuroprotective or neurotoxic properties of glycose in the sensory neurons of the sciatic nerve in the frog *Rana ridibunda*, as a model for diabetic neuropathy.”  
Supervisor: Prof. George Theophilides

## **EMPLOYMENT/APPOINTMENTS**

- Oct 2023-Present Board Member, Cyprus Society of Human Genetics, Nicosia, Cyprus
- Oct 2019-Present Academic Board Member, biobank.cy Center of Excellence for Biobanking and Biomedical Research, University of Cyprus, Nicosia, Cyprus
- Oct 2020-Present Internal Ethics Advisory Board Member, biobank.cy Center of Excellence for Biobanking and Biomedical Research, University of Cyprus, Nicosia, Cyprus
- Oct 2019-Present Principal Investigator/Lead Scientist/Group Leader – biobank.cy Center of Excellence for Biobanking and Biomedical Research – Molecular Medicine Research Center, University of Cyprus, Nicosia, Cyprus  
“Autosomal Dominant Tubulointerstitial Kidney Disease (ADTKD) due to *MUC1* mutations in Cyprus – Natural history, clinical trials, biomarker discovery, and identification of new ADTKD mutations”
- Jun 2017- Sep 2019 PostDoctoral Fellow (Co-Principal Investigator) – Molecular Medicine Research Center, University of Cyprus, Nicosia, Cyprus  
“A Prospective Study of Patients with Mucin-1 Kidney Disease in Cyprus and Biomarker Discovery”  
PI: Prof. Constantinos Deltas
- Feb 2017-Nov 2017 Scientist – Center for the Development of Therapeutics, Broad Institute of MIT and Harvard, Cambridge, MA, USA, and Brigham and Womens Hospital, Harvard Medical School, Harvard University, Boston, MA, USA  
“Biomarker discovery for MUC1 Kidney Disease – MKD”  
PI: Dr Anna Greka, MD, PhD
- Feb-May 2014/16 Part-time lecturer – Department of Life and Health Sciences, University of Nicosia
- Jun 2012-May 2017 Postdoctoral Fellow – Molecular Medicine Research Center, University of Cyprus,  
“microRNAs as regulators of gene expression by their direct binding on DNA target sequences” and “Genetic basis of familial hematuria”  
In charge of the Genetic Analysis Unit - Molecular Medicine Research Center, University of Cyprus, Nicosia, Cyprus  
PI: Prof. Constantinos Deltas

## **GRANTS, SCHOLARSHIPS AND AWARDS**

### **Ongoing:**

- Mar 2020 – Oct 2026: PI: Deltas C. – MMRC, University of Cyprus, Nicosia, CY  
Role: WP Leader (The Cyprus Human Genome and Other Research Projects)  
Funding Body/Call: European Union/SPREADING EXCELLENCE AND WIDENING PARTICIPATION/H2020-WIDESPREAD-01-2018-2019-Teaming Phase 2  
Proposal: Biobanking and the Cyprus Human Genome Project (CY-Biobank), Amount: €30.000.000 (Year 1 – Year 7) + €8.000.000 (Year 8 – Year 15)
- Mar 2021 – Mar 2024: PI: Deltas C. – MMRC, University of Cyprus, Nicosia, CY  
Role: WP Leader – Biomarker discovery, miRNAs in urinary extracellular vesicles

Funding Body/Call: Research and Innovation Foundation, Cyprus/INTEGRATED/0918/0043

Proposal: Cyprus Genome Project and Nephrogenetics (CY-NEPHRON)

Amount: €1.000.000

**Past:**

Nov 2021 – Jun 2022: PI: Papageorgiou G & Deltas C., MMRC, University of Cyprus, Nicosia, CY

Role: Principal Investigator

Funding Body: Carlos Slim Center for Health Research at the Broad Institute of Harvard and MIT

Proposal: Clinical biomarkers for ADTKD-MUC1 as endpoints in prospective clinical trials (CY-BioMUC1) Amount: \$105.000

Oct 2019 – Sep 2021: PI: Papageorgiou G – MMRC, University of Cyprus, Nicosia, CY

Role: Principal Investigator

Funding Body/Call: Research and Innovation Foundation, Cyprus/DIDAKTOR - POST-DOC/0718/0195

Proposal: Autosomal Dominant Tubulointerstitial Kidney Disease due to MUC1 mutations in Cyprus – Preparation of a clinical trial cohort, biomarker discovery and identification of new MUC1 mutations, Amount: €159.999

Dec 2019 – Jun 2022: PI: Constantinou A. – Dept of Biological Sciences, University of Cyprus, Nicosia, CY

Role: Collaborator – ctcdNA NGS

Funding Body/Call: Research and Innovation Foundation, Cyprus/EXCELLENCE HUBS - EXCELLENCE/0918/0313

Proposal: Investigation of the predictive and prognostic role of liquid biopsies in NSCLC patients treated with the anti- PD-1 inhibitor Pembrolizumab (PRELIFE), Amount: €249.996

Oct 2019 – Oct 2021: PI: Deltas C., Co-PI: Papageorgiou G – MMRC, University of Cyprus, Nicosia, CY Co-PI: Stavrou C - Evangelismos Hospital, Pafos, CY.

Role: Co-Principal Investigator - Biobank Coordinator

Funding Body: Carlos Slim Center for Health Research at the Broad Institute of Harvard and MIT

Proposal: Open Label Study of the Effect of Cholecalciferol on Mucin-1 Levels in Individuals with Autosomal Dominant Tubulo-Interstitial Kidney Disease due to MUC1 Mutations (ADTKD-MUC1), Amount: \$100.000

Dec 2018-Sep 2019: PI: Deltas C., Co-PI: Papageorgiou G – MMRC, University of Cyprus, Nicosia, CY Co-PI: Stavrou C - Evangelismos Hospital, Pafos, CY.

Role: Co-Principal Investigator

Funding Body: Carlos Slim Center for Health Research at the Broad Institute of Harvard and MIT

Proposal: A Prospective Study of Patients with Mucin-1 Kidney Disease in Cyprus and Biomarker Discovery (CY-MUC1) (Project SIGMA III) Amount: \$148,401.96 University of Cyprus

Sep 2016-Aug 2019: PI: Prof. Loreto Gesualdo, University of Bari, Italy

Roles: Project Manager/Quality Controller for UCY/Lecturer.

Funding Body: European Commission Programme/Call: Erasmus+, KA2 - Cooperation for Innovation and the Exchange of Good Practices Strategic Partnerships for higher education

Proposal: Renal Molecular Pathologist network (ReMaP), Total budget: €390,632 Budget for UCY: €43,848

Jun 2017-Nov 2018: PI: Deltas C., Co-PI: Papagregoriou G – MMRC, University of Cyprus, Nicosia, CY Co-PI: Stavrou C - Evangelismos Hospital, Pafos, CY.

Role: Co-Principal Investigator

Funding Body: Carlos Slim Center for Health Research at the Broad Institute of Harvard and MIT

Proposal: A Prospective Study of Patients with Mucin-1 Kidney Disease in Cyprus and Biomarker Discovery (CY-MUC1) (Project SIGMA III) Amount: €198,990 University of Cyprus

June 2012: Faculty of Pure and Applied Sciences award for academic and research performance for the PhD in Molecular Biology program, University of Cyprus, Nicosia, Cyprus

Oct 2007-May 2012: PhD Student Full Scholarship - Maria and George Tyrimos Foundation via the Pancyprian Gymnasium, Nicosia, Cyprus. Amount: €136.000

### **PROFESSIONAL BODIES/SOCIETIES**

2007-Present: Cyprus Society of Human Genetics - CSHG

2020-Present: European Renal Association-European Dialysis and Transplant Association - ERA-EDTA

2016-Present: Cyprus Atherosclerosis Society - CAS (Founding Member)

2019-Present: European Atherosclerosis Society - EAS

2019-Present: βίος-Society of Biological Sciences Cyprus - SBS (Founding Member)

2022-Present: International Society of Extracellular Vesicles- ISEV

### **TEACHING EXPERIENCE**

Mar 2022/2023: Lecture to postgraduate students, MEDMS705-Molecular Diagnostics, MSc in Precision Medicine in Clinical Practice, Medical School, University of Cyprus, Nicosia, CY

Sep16-Aug19: Erasmus+/Renal Molecular Pathologist network (ReMaP) – Online recorded lectures on Autosomal Dominant Polycystic Kidney Disease, Autosomal Dominant Tubulointerstitial Kidney Diseases, Next-Generation Sequencing using gene panels. On-site teaching and training of participating Pathology interns on molecular techniques.

- Feb-May 2016: Lecturing for Molecular Biology Lab, Department of Life and Health Sciences, University of Nicosia
- Feb-May 2014: Lecturing for Introduction to Biology I (Labs) and II (Lectures and labs), Department of Life and Health Sciences, University of Nicosia
- Jan-May 2014: Teaching assistant in Human Genetics, at the University of Cyprus (Instr: Prof. C. Deltas)
- Jan-May 2013: Teaching assistant in Human Genetics, at the University of Cyprus (Instr: Prof. C. Deltas)
- Sep-Dec 2011: Teaching assistant in Genetics, at the University of Cyprus (Instr: Prof. C. Deltas)
- Sep-Dec 2010: Teaching assistant in Genetics, at the University of Cyprus (Instr: Prof. C. Deltas)
- Sep-Dec 2009: Teaching assistant in Genetics laboratory exercises, at the University of Cyprus (Instr: Prof. C. Deltas)
- Apr 2009: Teaching trainer at the Pedagogic Institute of Cyprus for biology laboratory exercises.
- Sep-Dec 2008: Teaching assistant in Genetics laboratory exercises, at the University of Cyprus (Instr: Prof. C. Deltas)

#### **WORKSHOPS/COURSES/PROFESSIONAL TRAINING**

- Feb 2023 Hamilton "Starlet" Training Course in operation of liquid handling platforms, biobank.cy CoE, Nicosia, CY
- Nov 2022 Zeiss LSM 900 Training Course in Confocal Imaging, MMRC, UCY, Nicosia, CY
- Jan 2020 GeneStudio S5 Plus and IonChef System Workflow Training Course for Next-Generation Sequencing in MMRC, UCY, Nicosia, CY
- Jun 2015 Quantstudio 3D digital PCR Workflow Training Course in ThermoFisher Scientific Customer Experience Center, Paisley, Glasgow, UK
- Nov 2013 Ion Torrent PGM System Workflow Training Course for Next-Generation Sequencing in Life Sciences Customer Experience Center, Paisley, Glasgow, UK
- Aug 2012 FEBS Workshop in Non-Coding RNA in transcription, chromatin and epigenetics, Aarhus University, Denmark (Awarded a grant from the FEBS Young Travel Fund)
- Sep 2010 COST Action: BM0702 Training School: "Matrix Assisted Laser Desorption Ionization Tissue Imaging (MALDI TI) of Kidney specimens on a high-resolution mass spectrometer with Q-TOF Ion Mobility and TOF/TOF Imager Reference", Biomedicum, University of Helsinki, Finland (Received a traveling grant award)
- Sep 2008 FEBS Advanced Practical Course in Gene Expression, Copy Number Variations in Genome, Single Cell Analysis: Arrays, Beads, Massive Parallel Sequencing, Prague, Czech Republic (Awarded a grant from the FEBS Young Travel Fund)
- Feb 2007 Sequencing Analysis training on ABI PRISM 3130 in Applied Biosystems Headquarters, Warrington, UK

## PUBLICATIONS IN PEER REVIEWED JOURNALS

1. Deltas C, **Papagregoriou G**, Louka SF, Malatras A, Flinter F, Gale DP, Gear S, Gross O, Hoefele J, Lennon R, Miner JH, Renieri A, Savige J, Turner AN. (2023) Genetic Modifiers of Mendelian Monogenic Collagen IV Nephropathies in Humans and Mice. *Genes (Basel)*;14(9):1686 (doi: 10.3390/genes14091686)
2. Hadjipanagi D, **Papagregoriou G**, Koutsofti C, Polydorou C, Alivanis P, Andrikos A, Christodoulidou S, Dardamanis M, Diamantopoulos AA, Fountoglou A, Frangou E, Georgaki E, Giannikouris I, Gkinis V, Goudas PC, Kalaitzidis RG, Kaperonis N, Koutroumpas G, Makrydimas G, Myserlis G, Mitsioni A, Paliouras C, Papachristou F, Papadopoulou D, Papagalanis N, Papagianni A, Perysinaki G, Siomou E, Sombolos K, Tzanakis I, Vergoulas GV, Printza N, Deltas C. (2023) Novel and Founder Pathogenic Variants in X-Linked Alport Syndrome Families in Greece. *Genes (Basel)*;13(12):2203 (doi: 10.3390/genes13122203)
3. Ioannou A, Ioannides M, Eftychiou C, Christophides T, Pitsis A, Koutsofti C, Polydorou C, **Papagregoriou G**, Deltas C, Avraamides P. (2022) Mitral Valve Prolapse and Out-of-Hospital Cardiac Arrest: A Case Report and Literature Review. *Ann Clin Case Rep*;7: 2130 (doi:10.25107/2474-1655.2130)
4. Pieri M, Theori E, Dweep H, Flourentzou M, Kalampalika F, Maniori MA, **Papagregoriou G**, Papaneophytou C, Felekkis K (2022) A bovine miRNA, bta-miR-154c, withstands in vitro human digestion but does not affect cell viability of colorectal human cell lines after transfection. *FEBS Open Bio*;12(5):925-936 (doi:10.1002/2211-5463.13402)
5. Mamais I, Malatras A, **Papagregoriou G**, Giallourou N, Kakouri AC, Karayiannis P, Koliou M, Christaki E, Nikolopoulos GK, Deltas C (2021) Circulating IgG Levels in SARS-CoV-2 Convalescent Individuals in Cyprus. *J Clin Med*;10(24):5882 (doi: 10.3390/jcm10245882)
6. Antoniadou A, Papaioannou MM, Malatras A, **Papagregoriou G**, Mueller H, Holub P, Deltas C, Schizas CN, (2021) Integration of Biobanks in National eHealth Ecosystems facilitating long term longitudinal clinical-omics studies, and citizen's engagement in research through eHealthBioR. *Frontiers in Digital Health*;3(57) (doi:10.3389/fdgth.2021.628646)
7. Odiatis C, Savva I, Pieri M, Ioannou P, Petrou P, **Papagregoriou G**, Antoniadou K, Makrides N, Stefanou H, Galešić Ljubanović D, Nikolaou G, Borza DB, Stylianou K, Gross O, Deltas C, (2021) A glycine substitution in the collagenous domain of Col4a3 in mice recapitulates late onset Alport syndrome. *Matrix Biology Plus*;9(10053) (doi: 10.1016/j.mbplus.2020.100053)
8. Živná M, Kidd K, Zaidan M, Vyleťal P, Barešová V, Hodaňová K, Sovová J, Hartmannová H, Votruba M, Trešlová H, Jedličková I, Sikora J, Hůlková H, Robins V, Hnízda A, Živný J, **Papagregoriou G**, Mesnard L, Beck BB, Wenzel A, Tory K, Häeffner K, Wolf MTF, Bleyer ME, Sayer JA, Ong ACM, Balogh L, Jakubowska A, Łaszkiwicz A, Clissold R, Shaw-Smith C, Munshi R, Haws RM, Izzi C, Capelli I, Santostefano M, Graziano C, Scolari F, Sussman A, Trachtman H, Decramer S, Matignon M, Grimbert P, Shoemaker LR, Stavrou C, Abdelwahed M, Belghith N, Sinclair M, Claes K, Kopel T, Moe S, Deltas C, Knebelmann B, Rampoldi L, Knoch S, Bleyer AJ, (2020) An International Cohort Study of Autosomal Dominant Tubulointerstitial Kidney Disease due to REN Mutations Identifies Distinct Clinical Subtypes. *Kidney Int*; 98(6):1589-1604 (doi:10.1016/j.kint.2020.06.041)
9. Olinger E, Hofmann P, Kidd K, Dufour I, Belge H, Schaeffer C, Kipp A, Bonny O, Deltas C, Demoulin N, Fehr T, Fuster D, Gale D, Goffin E, Hodanova K, Hyunh-Do U, Kistler A, Morelle J, **Papagregoriou**

- G, Pirson Y, Sandford R, Sayer J, Torra R, Venzin C, Venzin R, Vogt B, Živná M, Greka A, Dahan K, Rampoldi L, Kmoch S, Bleyer A Sr., Devuyst O. (2020) Clinical and Genetic Spectra of Autosomal Dominant Tubulointerstitial Kidney Disease due to Mutations in UMOD and MUC1. *Kidney Int*; 98(3):717-731 (doi:10.1016/j.kint.2020.04.038)
10. Christofides A\*, **Papagregoriou G**<sup>\*§</sup>, Dweep H, Makrides N, Gretz N, Felekis K, Deltas C<sup>§</sup>. (2020) Evidence for miR-548c-5p regulation of FOXC2 transcription through a distal genomic target site in human podocytes. *Cell Mol Life Sci*; 77, 2441–2459 (doi:10.1007/s00018-019-03294-z) \*Authors with equal contribution, §Corresponding authors.
  11. Dvela-Levitt M, Kost-Alimova M, Emani M, Kohnert E, Thompson R, Sidhom EH, Rivadeneira A, Sahakian N, Roinot J, **Papagregoriou G**, Montesinos MS, Clark AR, McKinney D, Gutierrez J, Roth M, Ronco L, Elonga E, Carter TA, Gnirke A, Melanson M, Hartland K, Wieder N, Hsu JC, Deltas C, Hughey R, Bleyer AJ, Kmoch S, Živná M, Barešova V, Kota S, Schlondorff J, Heiman M, Alper SL, Wagner F, Weins A, Golub TR, Lander ES, Greka A. (2019) Small Molecule Targets TMED9 and Promotes Lysosomal Degradation to Reverse Proteinopathy. *Cell*; Jul 25, 178(3):521-535.e23 (doi: 10.1016/j.cell.2019.07.002)
  12. Nwankwo EC, Mortega KG, Karageorgos A, Ogolowa BO, **Papagregoriou G**, Grether GF, Monadjem A, Kirschel ANG. (2019) Rampant introgressive hybridization in Pogonius tinkerbirds (Piciformes: Lybiidae) despite millions of years of divergence. *Biol J Linn Soc*;127(1)125-142 (doi.org/10.1093/biolinnean/blz018)
  13. Pitsios P, Iliopoulou A, Kontogianni M, **Papagregoriou G**. (2019) Detection of profiling in SPT extracts that are supposed to contain it. *Allergol Immunopathol (Madr)*;47(1)12-15 (doi: doi.org/10.1016/j.aller.2018.05.003)
  14. Živná M, Kidd K, Přistoupilová A, Barešová V, DeFelice M, Blumenstiel B, Harden M, Conlon P, Lavin P, Connaughton DM, Hartmannová H, Hodaňová K, Stránecký V, Vrbacká A, Vyleťal P, Živný J, Votruba M, Sovová J, Hůlková H, Robins V, Perry R, Wenzel A, Beck BB, Seeman T, Viklický O, Rajnochová-Bloudíčková S, **Papagregoriou G**, Deltas CC, Alper SL, Greka A, Bleyer AJ, Kmoch S. (2018) Noninvasive Immunohistochemical Diagnosis and Novel MUC1 Mutations Causing Autosomal Dominant Tubulointerstitial Kidney Disease. *JASN*; 29(9):2418-2431 (doi: 10.1681/ASN.2018020180)
  15. Voskarides K, **Papagregoriou G**, Hadjipanagi D, Petrou I, Savva I, Elia A, Athanasiou Y, Pastelli A, Kkolou M, Hadjigavriel M, Stavrou C, Pierides A, Deltas C. (2018) COL4A5 and LAMA5 variants co-inherited in familial hematuria: digenic inheritance or genetic modifier effect? *BMC Nephrol*; 19:114 (doi: 10.1186/s12882-018-0906-5)
  16. Kalogerou M, Kolovos P, Prokopiou E, **Papagregoriou G**, Deltas C, Malas S, Georgiou T. (2018) Omega-3 fatty acids protect retinal neurons in the DBA/2J hereditary glaucoma mouse model. *Exp Eye Res*;167:128-39 (doi: 10.1016/j.exer.2017.12.005)
  17. Nagara M, **Papagregoriou G**, Ben Abdallah R, Landoulsi Z, Bouyacoub Y, Elouej S, Kefi R, Pippucci T, Voskarides K, Bashamboo A, McElreavey K, Hachicha M, Romeo G, Seri M, Deltas C, Abdelhak S. (2017) Distal renal tubular acidosis in a Libyan patient: Evidence of digenic inheritance. *Eur J Med Genet*; pii: S1769-7212(16)30259-2. (doi: 10.1016/j.ejmg.2017.10.002.)
  18. Papazachariou L\*, **Papagregoriou G**\*, Hadjipanagi D, Demosthenous P, Voskarides K, Koutsofti C, Stylianiou K, Ioannou P, Xydakis D, Tzanakis I, Papadaki A, Kallivretakis N, Nikolakakis N, Perysinaki G, Gale DP, Diamantopoulos A, Goudas P, Goumenos D, Soloukides A, Boletis I, Melexopoulou C,

- Georgaki E, Frysira E, Komianou F, Grekas D, Paliouras C, Alivanis P, Vergoulas G, Pierides A, Daphnis E, Deltas C. (2017) Frequent COL4 mutations in familial microhematuria accompanied by later-onset Alport nephropathy due to focal segmental glomerulosclerosis. *Clin Genet; Nov;92(5):517-527 (doi: 10.1111/cge.13077)*. \*Authors with equal contribution
19. Prokopiou E, Kolovos P, Kalogerou M, Neokleous A, **Papagregoriou G**, Deltas C, Malas S, Georgiou T. (2017) Therapeutic potential of omega-3 fatty acids supplementation in a mouse model of dry macular degeneration. *BMJ Open Ophth;1:e000056. (doi:10.1136/bmjophth-2016-000056)*
  20. Koufaris C, **Papagregoriou G**, Kousoulidou L, Moutafi M, Tauber M, Jouret B, Kieffer I, Deltas C, Tanteles GA, Anastasiadou V, Patsalis PC, Sismani C. (2015) Haploinsufficiency of the miR-873/miR-876 microRNA cluster is associated with craniofacial abnormalities. *Gene Apr 25;561(1):95-100 (doi: 10.1016/j.gene.2015.02.018)*
  21. Nagara M, Voskarides K, Elouej S, Zaravinos A, Riahi Z, **Papagregoriou G**, Kefi R, Boussetta K, Deltas C, Abdelhak S, Tinsa F. (2014) A novel splice-site mutation in ATP6V0A4 gene in two brothers with distal renal tubular acidosis from a consanguineous Tunisian family. *J Genet Dec;93(3):859-6*
  22. Papazachariou L, Demosthenous P, Pieri M, **Papagregoriou G**, Savva I, Stavrou C, Zavros M, Athanasiou Y, Ioannou K, Patsias C, Panagides A, Potamitis C, Demetriou K, Prikis M, Hadjigavriel M, Kkolou M, Loukaidou P, Pastelli A, Michael A, Lazarou A, Arsali M, Damianou L, Goutziamani I, Soloukides A, Yioukas L, Elia A, Zouvani I, Polycarpou P, Pierides A, Voskarides K, Deltas C. (2014) Frequency of COL4A3/COL4A4 mutations amongst families segregating glomerular microscopic hematuria and evidence for activation of the unfolded protein response. Focal and segmental glomerulosclerosis is a frequent development during ageing. *PLoS One. Dec 16;9(12):e115015 (doi: 10.1371/journal.pone.0115015)*
  23. Zaravinos A, Lambrou GI, Mourmouras N, Katafygiotis P, **Papagregoriou G**, Giannikou K, Delakas D, Deltas C (2014) New miRNA Profiles Accurately Distinguish Renal Cell Carcinomas and Upper Tract Urothelial Carcinomas from the Normal Kidney. *PLoS One 9(3):e91646 (doi: 10.1371/journal.pone.0091646)*
  24. Soloukides AP, Moutzouris DA, **Papagregoriou GN**, Stavrou CV, Deltas CC, Tzanatos HA, (2013) Renal graft outcome in autosomal dominant medullary cystic kidney disease type 1. *J Nephrol Jul-Aug;26(4):793-8 (doi: 10.5301/jn.5000249)*
  25. **Papagregoriou G**, Dweep H, Voskarides K, Koupepidou P, Athanasiou Y, Pierides A, Gretz N, Felekkis KN, Deltas C, (2012) A miR-1207-5p Binding Site Polymorphism Abolishes Regulation of HBEGF and Is Associated with Disease Severity in CFHR5 Nephropathy. *PLoS One 7(2):e31021 (doi: 10.1371/journal.pone.0031021)*
  26. Deltas C, **Papagregoriou G** (2010) Cystic Diseases of the Kidney: Molecular Biology and Genetics. *Arch Pathol Lab Med 134(4):569-582. (doi: 10.1043/1543-2165-134.4.569)*
  27. Voskarides K, Makariou C, **Papagregoriou G**, Stergiou N, Printza N, Alexopoulos A, Elia A, Papachristou F, Pierides A, Georgaki E, Deltas C (2008) *NPHS2* screening with SURVEYOR in Hellenic children with steroid resistant nephrotic syndrome. *Pediatr Nephrol 23(8):1373-1375. (doi: 10.1007/s00467-008-0804-3)*



## CHAPTER CONTRIBUTIONS

1. **Papagregoriou G** (2015) MicroRNAs in disease, In Felekis KN & Voskarides K (Ed) *Genomic Elements in Health, Disease and Evolution: Junk DNA* (pp.17-46). DOI: 10.1007/978-1-4939-3070-8\_2, Springer Publishing Group, New York, USA

## INVITED REVIEWER

Biochemistry and Cell Biology, BMC Medical Genetics, Molecular Genetics & Genomic Medicine, Heliyon, Clinical Nephrology

## SELECTED POSTER PRESENTATIONS/ABSTRACTS IN INTERNATIONAL CONFERENCES

1. Louka S, Kakouri A, **Papagregoriou G**, Deltas C. (2023) miRNA profiling of urinary extracellular vesicles (EVs) in TBMN and CFHR5 Nephropathy for the identification of novel disease biomarkers, *60<sup>th</sup> ERA-EDTA Conference*, Abstract #6120, Milan, IT, Jun 15-18, 2023
2. Ioannou P, Odiatis C, Antoniadou K, Pieri M, **Papagregoriou G**, Malatras A, Samiotaki M, Horaček M, Galesic Ljubanovic D, Stylianos K, Deltas C. (2023) Evidence that chaperone 4-PBA treatment alleviates the renal phenotype in Alport Syndrome mouse models. *60<sup>th</sup> ERA-EDTA Conference*, Abstract #5441, Milan, IT, Jun 15-18, 2023
3. Kidd KO, Vylet'al P, Kim A, Taylor A, Zivna M, Stavrou C, Conlon PJ, **Papagregoriou G**, Kmoch S, Bleyer AJ. (2022) Increased Susceptibility and 9-Fold Increased Mortality From COVID-19 in Patients With ADTKD-MUC1, *American Society of Nephrology Kidney Week*, Washington, DC, USA, Nov 01-06, 2022
4. Ioannou P, Odiatis C, Malatras A, Antoniadou K, Pieri M, **Papagregoriou G**, Stylianos K, Deltas C. (2023) Preclinical studies on Alport Syndrome mice treated with chemical chaperons, *European Society of Human Genetics Conference*, Vienna, AT, Jun 11-14, 2022
5. **Papagregoriou G**, Stavrou C, Christofides A, Koutsofti C, Zivna M, Kuhn E, Roignot E, Kmoch S, Bleyer AJ, Greka A, Deltas C. (2019) ADTKD-MUC1 in the Cypriot population: Genotyping, deep-phenotyping, biomarker discovery and the search of a robust treatment. *56<sup>th</sup> ERA EDTA Conference*, Abstract #FO067, Budapest, HU, Jun 13-16, 2019
6. Odiatis C, Savva I, Pieri M, Ioannou P, **Papagregoriou G**, Makrides N, Nikolaou G, Petrou P, Borza DB, Deltas C. (2019) Phenotypic analysis of two Alport Syndrome model mice with a *Col4a3* G1332E mutation. *56<sup>th</sup> ERA EDTA Conference*, Abstract #FO067, Budapest, HU, Jun 13-16, 2019
7. **Papagregoriou G**, Christofides A, Dweep H, Gretz N, Felekis KN, Deltas C. (2012) MicroRNAs are potential regulators of gene transcription by their direct binding on intergenic DNA target sequences in human cells: the hsa-miR-548c-5p example, *FEBS Workshop on Non-Coding RNA in Transcription, Chromatin and Epigenetics*, Aarhus, Denmark, Aug 6-10, 2012
8. **Papagregoriou G**, Dweep H, Voskarides K, Koupepidou P, Athanasiou Y, Pierides A, Gretz N, Felekis KN, Deltas C. (2011) A DNA variant within the 3'-UTR of HBEGF alters the regulatory action of hsa-miR-1207-5p and is associated with progression of renal failure in CFHR5 nephropathy. *European Human Genetics Conference 2011*, Amsterdam, The Netherlands, May 28-31, 2011.
9. Tsiakkis D, Koupepidou P, Christodoulakis M, Pieri M, Felekis KN, **Papagregoriou G**, Demosthenous P, Deltas C. (2011) Genotype-phenotype correlation in X-Linked Alport syndrome patients carrying missense mutations in the collagenous domain of COL4A5. *European Human Genetics Conference 2011*, Amsterdam, The Netherlands, May 28-31, 2011.
10. Felekis KN, Sticht C, **Papagregoriou G**, Kranzlin B, Gretz N, Deltas C. (2010) The role of microRNAs (miRNA) in the development of Polycystic Kidney Disease. *5th International MicroRNAs Europe 2010 Meeting. MicroRNAs: Biology to Development and Disease*. University of Cambridge, Cambridge, UK. November 1-2, 2010.

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12. Felekis KN, Sticht C, **Papagregoriou G**, Kranzlin B, Gretz N, Deltas C. (2010) The role of microRNAs (miRNA) in the development of Polycystic Kidney Disease. *5th Combined Management Committee and Working Groups Meeting of the COST Action BM0702 EuroKUP, on Kidney and Urine Proteomics*. Pissouri, Cyprus, November 6-7, 2010.
13. Pieri M, Felekis KN, **Papagregoriou G**, Deltas C. (2010) Functional study of molecular pathomechanisms underlying glomerular basement membrane pathology *in vivo* and *in vitro*. *5th Combined Management Committee and Working Groups Meeting of the COST Action BM0702 EuroKUP, on Kidney and Urine Proteomics*. Pissouri, Cyprus, November 6-7, 2010.
14. **Papagregoriou G**, Felekis KN, Dweep H, Gretz N, Deltas C. (2009) MirSNPs as a contributing genetic factor to the variability of phenotypic severity recorded in congenital glomerulonephropathies. *MicroRNAs Europe 2009 Meeting. MicroRNAs: Biology to Development and Disease*. University of Cambridge, UK, November 2-3, 2009.
15. **Papagregoriou G**, Soloukides A, Voskarides K, Charalambous C, Pierides A, Hildebrandt F, Stavrou C, Deltas C. (2008) Medullary Cystic Kidney Disease 1 – The quest for finding the gene. *1st International Conference of Human Genetics*, organised by the Cyprus Society of Human Genetics. Nicosia, Cyprus, October 3-4, 2008.
16. Voskarides K, Makariou C, **Papagregoriou G**, Stergiou N, Printza N, Alexopoulos E, Elia A, Papachristou F, Pierides A, Georgaki E, Deltas C. (2008) SURVEYOR™ nuclease as a powerful mutation detection method: the example of *NPHS2* (podocin) screening in children from Greece and Cyprus with steroid-resistant nephrotic syndrome. *1st International Conference of Human Genetics*, organised by the Cyprus Society of Human Genetics. Nicosia, Cyprus, October 3-4, 2008.
17. Voskarides K, Makariou C, **Papagregoriou G**, Stergiou N, Printza N, Alexopoulos A, Elia A, Papachristou F, Pierides A, Georgaki E, Deltas C. (2008) *NPHS2* recurrent and novel mutations in children from Greece and Cyprus with steroid-resistant nephrotic syndrome. *European Human Genetics Conference 2008*. Barcelona, Spain, May 31-June 3, 2008.
18. **Papagregoriou G**, Soloukides A, Voskarides K, Charalambous C, Pierides A, Hildebrandt F, Stavrou C, Deltas C. (2008) Medullary Cystic Kidney Disease 1 – The quest for finding the gene. *European Human Genetics Conference 2008*. Barcelona, Spain, May 31-June 3, 2008

#### ORAL PRESENTATIONS/INVITED LECTURES/SEMINARS/TALKS

1. **Papagregoriou G**. The curious case of ADTKD-*MUC1*: Molecular, Genetic, Clinical, and Therapeutic aspects of a rare disease with high frequency in Cyprus, 03 Jul 2023, Invited talk, AI Lab, NCSR Democritos, Athens, Greece
2. **Papagregoriou G**. The curious case of ADTKD-*MUC1*, 02 Dec 2022, Invited talk, Medical School, University of Nicosia, Nicosia, Cyprus
3. **Papagregoriou G**. ADTKD-*MUC1*: Diagnostic, clinical, and therapeutic approaches. 18 Nov 2022, Invited talk, 98<sup>th</sup> Nephrology Scientific Meeting, Athens, Greece
4. **Papagregoriou G**. ADTKD in Cyprus, 07 Oct 2022, Invited talk, 3<sup>rd</sup> International ADTKD Summit, Virtual Meeting.
5. **Papagregoriou G**. Investment in biobanks as an equivocal contribution of citizens to the progress and prioritization of health, 06 Oct 2022, Invited talk, event on Biobank and Bioethical Matters. University of Cyprus, Nicosia, CY

6. **Papagregoriou G.** From registries to clinical trials: How biobanking of rare diseases can unlock drug development paths, 16 May 2022, Invited talk, MediEuro Network Workshop, biobank.cy, University of Cyprus, Nicosia, Cyprus
7. **Papagregoriou G.** “MUC1 Makes Me Miserable”, 17 Mar 2022, Invited plenary talk by the Cyprus Society of Human Genetics, Nicosia, Cyprus
8. **Papagregoriou G.** biobank.cy – Profile and Research Activities, 11<sup>th</sup> Mar 2022, Invited talk, Familial Hypercholesterolemia Meeting, Limassol General Hospital, Limassol, Cyprus.
9. **Papagregoriou G.** & Roignot J., Developing Biomarkers for ADTKD-*MUC1*, 19 Nov 2021, Plenary talk, 2<sup>nd</sup> International ADTKD Summit, Virtual Meeting
10. **Papagregoriou G.,** Stavrou C., Christofides A., Zivna M., Roignot J., Kidd K., Kmoch S., Bleyer AJ., Greka A., Deltas C. Following Autosomal Dominant Tubulointerstitial Kidney Disease due to *MUC1* mutations in Cyprus – Molecular analysis, deep phenotyping, and research to identify effective therapeutics, 13 May – 16 May 2021 (Virtual), Selected abstract for oral presentation, 22<sup>nd</sup> Conference of the Greek Society of Nephrology.
11. **Papagregoriou G.,** Stavrou C., Christofides A., Roignot J., Kuhn E., Zivna M., Kidd K., Kmoch S., Bleyer AJ., Greka A., Deltas C. Biobanking of rare kidney diseases and clinical trials: The example of ADTKD-*MUC1* in Cyprus, 12 Nov – 21 Nov 2020 (On-Demand Session), Selected abstract for oral presentation, Europe Biobank Week 2020, Virtual Conference.
12. **Papagregoriou G.** ADTKD in Cyprus, 24 Sep 2020, Invited talk, 1<sup>st</sup> Annual ADTKD Virtual International Summit.
13. **Papagregoriou G.** From Biobanking to a clinical trial – the case for *MUC1* kidney disease, 10 Dec 2019, Meeting of the Biobanking Research Infrastructures of Austria, Italy, Cyprus & Czech Republic, Graz, Austria
14. **Papagregoriou G.** ADTKD-*MUC1* in the Cypriot population: Genotyping, deep-phenotyping, biomarker discovery and the search for a robust treatment, 14 Jun 2019, Selected abstract for oral presentation (FO067), 56th European Renal Association – European Dialysis and Transplant Association (ERA-EDTA) Conference, Budapest, Hungary
15. **Papagregoriou G.** ADTKD-*MUC1* in the Cypriot population: Genotyping, deep-phenotyping, biomarker discovery and the search for a robust treatment, 8 Dec 2018, Oral Presentation, 7th International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus
16. **Papagregoriou G.** *MUC1* Kidney Disease in Cyprus – Genetics, diagnostics and therapeutics, 21 Nov 2018, Invited Lecture, Department of Biological Sciences, University of Cyprus, Nicosia, Cyprus
17. **Papagregoriou G.** Pharmacogenomics and the role of microRNAs, 04 Nov 2017, Invited Lecture, 20<sup>th</sup> Golden Helix Pharmacogenomics Day, Medical School, University of Cyprus, Nicosia, Cyprus
18. **Papagregoriou G.** The potential role of mir-548c-5p as a regulator of *FOXC2* transcription to control podocyte differentiation. 21-24 Apr 2016, Oral Presentation, 28<sup>th</sup> European Renal Cell Study Group meeting, Paris, France
19. **Papagregoriou G.** Deciphering the genetic basis of familial hematuria by next-generation sequencing, 25 Feb 2015, Invited Seminar, Department of Biological Sciences, University of Cyprus, Nicosia, Cyprus