



## Constantina Koutsofti

**Nationality:** Cypriot

**Phone:** (+357) 22892809

**Gender:** Female

**Email address:** [koutsofti.constantina@ucy.ac.cy](mailto:koutsofti.constantina@ucy.ac.cy)

**Address:** 215/6, Palaios Dromos Lefkosias-Lemesou, 2029 Nicosia (Cyprus)

### EDUCATION AND TRAINING

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#### PhD in Biomedical Sciences

*Department of Biological Sciences, University of Cyprus* [ 09/2019 – Current ]

- Research project on the genetic background of inherited cardiac conditions in Cyprus

#### MSc in Biomedical Sciences

*Department of Biological Sciences, University of Cyprus* [ 09/2013 – 06/2015 ]

- Research project on breast cancer resistance to drug Tamoxifen

#### BSc in Biological Sciences

*Department of Biological Sciences, University of Cyprus* [ 09/2009 – 06/2013 ]

- Research project on breast cancer resistance to drug Tamoxifen

#### Apolyterion

*Apostolos Marcos Lyceum, Nicosia, Cyprus* [ 09/2006 – 06/2009 ]

- Advanced modules included: Biology, Chemistry, Mathematics

### WORK EXPERIENCE

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#### Researcher for the PhD research thesis

*Center of Excellence in Biobanking and Biomedical Research* [ 09/2019 – Current ]

City: Nicosia

Country: Cyprus

- Research Project Title: "The study of inherited cardiac conditions in Cyprus"
- Techniques used: Next-Generation Sequencing (NGS), Sanger Sequencing

## Special Scientist

*Molecular Medicine Research Center (MMRC), University of Cyprus* [ 07/2015 – Current ]

City: Nicosia

Country: Cyprus

- Extracting DNA from blood or saliva samples of patients and healthy volunteers
- Carrying out genetic techniques used for the diagnosis of kidney diseases, such as PCR, sanger sequencing, digestion with restriction enzymes and linkage analysis
- Processing biological samples & responsible to store them in the Biobank of MMRC
- Involved in research projects focused on the genetic basis of nephropathies

## Placement at the Electron Microscopy and Molecular Pathology Department

*The Cyprus Institute of Neurology and Genetics* [ 06/2015 – 07/2015 ]

City: Nicosia

Country: Cyprus

- Involved in genetic techniques used for the diagnosis of familial breast and colorectal cancer (e.g. PCR method and DNA sequencing)
- Developed knowledge around the biopsy specimen's diagnosis in the electron microscope and applications of mass spectrometry

## Researcher for the undergraduate/postgraduate dissertation

*Cancer biology and Chemoprevention laboratory, University of Cyprus* [ 06/2012 – 06/2015 ]

City: Nicosia

Country: Cyprus

- Research Project Title: "The combination of 5-aza-2'-deoxycytidine and Genistein reverses Tamoxifen resistance in breast cancer cells"
- Molecular techniques used: Mammalian cell culture, real-time PCR, western blotting, immunofluorescence, MTT method, Annexin V/PI assay, FACS analysis, ChIP assay

## PUBLICATIONS

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### **Mild X-linked Alport syndrome due to the COL4A5 G624D variant originating in the Middle Ages is predominant in Central/East Europe and causes kidney failure in midlife**

[2020]

Kidney international

Żurowska A, Bielska O, Daca-Roszak P, Jankowski M, Szczepańska M, Roszkowska-Bjanid D, Kuźma-Mroczkowska E, Pańczyk-Tomaszewska M, Moczulska A, Drożdż D, Hadjipanagi D, Deltas C, Ostalska-Nowicka D, Rabięga A, Taraszkiewicz J, Taranta-Janusz K, Wieczorkiewicz-Plaza A, Jobs K, Mews J, Musiał K, Jakubowska A, Nosek H, Jander A, **Koutsofti C**, Stanisławska-Sachadyn A, Kuleszo D, Ziętkiewicz E, Lipska-Ziętkiewicz B.

## **FO067 ADTKD-MUC1 in the Cypriot population: Genotyping, deep-phenotyping, biomarker discovery and the search for a robust treatment**

[2019]

Nephrology Dialysis Transplantation

Papagregoriou G, Stavrou C, Christofides A, **Koutsofti C**, Zivna M, Kuhn E, Roignot J, Kmoch S, Bleyer A.J, Greka A, Deltas C.

## **Frequent COL4 mutations in familial microhematuria accompanied by later-onset Alport nephropathy due to focal segmental glomerulosclerosis**

[2017]

Clinical Genetics

Papazachariou L, Papagregoriou G, Hadjipanagi D, Demosthenous P, Voskarides K, **Koutsofti C**, Stylianos 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.

## **HONOURS AND AWARDS**

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### **Third national award for my postgraduate research at the competition "Master Students in Research 2014-2015"**

Cyprus Research Promotion Foundation [ 12/2015 ]

### **Award for my research and academic performance (highest overall mark) in the MSc programme**

Faculty of Pure and Applied Sciences of the University of Cyprus [ 06/2015 ]

### **Award for my highest-grade point average in high school**

Apostolos Marcos Lyceum, Nicosia, Cyprus [ 2007 ]

## **CONFERENCES AND SEMINARS**

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### **2019 International Workshop for Alport Syndrome**

[ Siena, Italy, 22/10/2019 – 24/10/2019 ]

### **6th International Conference - Cyprus Society of Human Genetics**

[ Nicosia, Cyprus, 11/2017 ]

### **Scientific Retreat - Department of Biological Sciences, University of Cyprus**

[ Nicosia, Cyprus, 05/2015 ]

**Koutsofti C**, Pitta CA, Constantinou AI. "The combination of 5-aza-2'-deoxycytidine and Genistein reverses Tamoxifen resistance in breast cancer cells"

## **ADDITIONAL ONLINE COURSES**

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### **"Stem cells and Regenerative Medicine" - National and Kapodistrian University of Athens**

[ 12/2018 – 02/2019 ]