

# **CURRICULUM VITAE**

**Kleoniki Lamnissou**

**2010**

## **I. Biographical outline**

Date/place of Birth: June 5th, 1953, Cyprus

Citizenship: Greek Cypriot

Family Status: Married

Work details: Dept of Genetics & Biotechnology, Faculty of Biology, National & Kapodistrian University of Athens

## **II. Education-Career**

1971 - 1975: BSc Degree, Faculty of Biology, School of Science, National & Kapodistrian University of Athens, Greece.

1976 - 1982: PhD thesis, Faculty of Biology, School of Science, National and Kapodistrian University of Athens, Greece.

1983 - 2000: Lecturer in the Dept of Biochemistry, Molecular and Cell Biology & Genetics, Faculty of Biology, University of Athens.

2000-2010: Assistant professor in the Dept of Genetics & Biotechnology, Faculty of Biology, National and Kapodisrian University of Athens.

2010 - : Associate Professor in the Dept of Genetics & Biotechnology, Faculty of Biology, National and Kapodisrian University of Athens.

### **III. Fellowships**

1977-1979: National Institute of Research (two years)

1980: European Molecular Organization (EMBO) (three months)

### **IV. Research experience -Training**

1978: University of Essex, England (one month)

1980: Biozentrum Universitat, Basel, Switzerland (five months)

1984: Institute of Genetics, Hungarian Academy of Science, Hungary (one month)

1990: Newham General Hospital, London, England (six months)

1991: Dept of Biology, University of Crete (two weeks)

1994: Dept of Biology, University of Crete (one week)

2000: Dept of Molecular Genetics,

Institute of Neurology & Genetics, Nicosia, Cyprus (two months)

### **V. Academic Responsibilities**

#### **1. Teaching**

a) Part of the course of Basic Genetics in undergraduate students of the Faculty of Biology.

b) Medical Genetics in undergraduate students of the School of Dentistry.

c) Part of the course of Basic Genetics and Human Genetics in graduate students of the Faculty of Biology.

#### **2. Supervision of BSc final year Dissertations**

#### **3. Supervision of MSc Research**

#### **4. Supervision of PhD Theses**

#### **5. External examiner in PhD Theses**

## VI. Research interests

### Human Molecular Genetics

The main research goal is the identification of genes, gene polymorphisms or mutations that are implicated in various human diseases and their development into useful prognostic and diagnostic markers of earlier diagnosis and better clinical management of the disease.

Research in the laboratory is mainly focusing on association studies in polygenic and monogenic human diseases. More particularly, detection of gene mutations and studies of different single nucleotide gene polymorphism (SNPs) are being carried out using PCR, PCR-RFLP, and RT-PCR in blood samples from Greek patients suffering from cardiovascular diseases, renal diseases, and in women with a history of recurrent spontaneous abortions.

## VII. Funded Research projects

- Evolutionary Genetics in *Drosophila* (1984, 1985). Principal investigator: E. Zouros [University of Crete and Dalchousie University, Halifax, Canada]. Natural Sciences and Engineering Research Council και Greek Ministry of Research and Technology.
- Study of MSSP male specific serum proteins and their genes in the insect *Ceratitis capitata* (1989). Principal investigator: A. Mintzas (University of Patras). Ministry of Industry, Energy and Technology, General Secretariat of Research and Technology.
- Familial Mediteranean Fever (FMF). Screening for FMF mutants in the Greek population (2001). Principal investigator: K. Lamnissou (Funding: National & Kapodisrian University of Athens).
- Study for association of gene polymorphisms and end stage renal disease (2002). Principal investigator: K. Lamnissou (Funding: National & Kapodisrian University of Athens).
- Study for association of gene polymorphisms in cardiovascular and nephrological diseases (2005). Principal investigator: K. Lamnissou (Funding: National & Kapodisrian University of Athens).
- Study for association of gene polymorphisms in cardiovascular diseases (2006). Principal investigator: K. Lamnissou (Funding: National & Kapodisrian University of Athens).
- Study for association of gene polymorphisms in Autosomal Dominant Polycystic Kidney Disease (2009). Principal investigator: K. Lamnissou (Funding: National & Kapodisrian University of Athens).

## VIII. Publications

### 1. Dissertations

K. Lamnissou (1983). Study of the female sterile mutation fs(1)1304 in the insect *Drosophila melanogaster*. PhD, Dept of Biology, National & Kapodistrian University of Athens.

### 2. Books

- a) K. Lamnissou (2005). Medical Genetics (in Greek). Editor: A. Stamoulis, Athens, Greece.
- b) Medical Genetics at a glance. Authors: Dorian Pritchard & Bruce Korf. Preparation of the Greek edition: D. Stravopodis, K. Lamnissou.
- c) Genetic diagnosis (2009) Author: G. Patrinos, Participation in the preparation of the Greek edition.

### 3. Publications in Peer-reviewed Journals

1. **Lamnissou K** and Gelti-Douka H. Analysis of the *Drosophila melanogaster* female sterile mutation fs(1)1304 by pole cell transplantation experiments. *Developmental Genetics*, 6:239-246 (1986).
2. Tsakas S, **Lamnissou K**, Tsakas L, David R. Sex ratio distortion in *D. simulans* after treatment with quinacrine. *Genet Res. Camb*, 49:19-23 (1987).
3. **Lamnissou K** and Zouros E. Interspecific ovarian transplantation in *Drosophila*: Vitellogenin uptake as an index of evolutionary relatedness. *Heredity*, 63:29-35 (1989).
4. **Lamnissou K**, Loukas M, Zouros E. Incompatibilities between Y chromosome and autosomes are responsible for male hybrid sterility in crosses between *Drosophila virilis* and *Drosophila texana*. *Heredity*, 76:603-609 (1996).
5. **Lamnissou K**. Vitellogenetic defects in hybrids of the species pairs *Drosophila virilis* and *Drosophila texana*. *Developmental Genetics*, 18:289-295 (1996).
6. **Lamnissou K**. Ovarian defects in hybrids of the species pairs *Drosophila virilis* and *Drosophila texana*. *Developmental Genetics*, 20: 47-52 (1997).
7. Trougakos I, **Lamnissou K**, Margaritis L. Biochemical and immunochemical analysis of vitellogenesis in the olive fly *Dacus (Bacrocera) oleae* (Diptera: Tephritidae). *Cell Biology International*, 23:417-429 (1999).
8. **Lamnissou K**. Nutritional effects on vitellogenesis in *Drosophila* species. *The Journal of Entomological Science*, 35:452-464 (2000).
9. **Lamnissou K**, Galanopoulos B. The somatic line dominant female sterile mutant Fs(2)Ugra affects egg maturation in *Drosophila*. *Hereditas*, 132:161-164 (2000).

10. Constantinou Deltas C, Mean R, Rossou E, Costi C, Koupepidou P, Hadjiyanni I, Hadjirooussos V, Petrou P, Pieridis A, **Lamnissou K**, Koptides M. Familial Mediterranean fever (FMF) mutations occur frequently in the Greek–Cypriot population of Cyprus. *Genetic Testing*, 1:15-21 (2002).
11. **Lamnissou K**, Ziropiannis P, Trygonis S, Demetriou K, Pierides A, Koptides M, Constantinou Deltas C. Evidence for association of endothelial nitric oxide synthase gene polymorphism with earlier progression to end stage renal disease in a cohort of Hellens from Greece and Cyprus. *Genetic Testing*, 3:319-24 (2004).
12. Christodoulou C, Schally AV, Chatzistamou I, Kondi-Pafiti A, **Lamnissou K**, Kouloheri S, Kalofoutis A, Kiaris H. Expression of growth hormone– releasing hormone (GHRH) and splice variant of GHRH receptors in normal mouse tissues. *Regulatory Peptides*, 136:105-8 (2006).
13. Dedoussis G, Panagiotakos D, Louizou E, Mantoglou J, Chrysohoou C, **Lamnissou K**, Pitsavos C, Stefanadis C. Cholesteryl ester-transfer protein (CETP) polymorphism and the development of acute coronary syndromes, by obesity status in Greek subjects: the CARDIO2000-GENE study. *Human Heredity*, 63:155-61 (2007).
14. Chalevakis G, Apostolakis I, Koliou X, Pessos A, Kyriakopoulou V, Vrakidou E, Vasilopoulou A, **Lamnissou K**, Nasioulas G. Different intra-familial clinical presentation of FMF mutations carriers. *Genetic Testing*, 12:125-127 (2008).
15. Dedoussis, Luo Y, Starremans P, Rossetti S, Ramos AJ, Cantiello HF, Katsarelli E, Ziroyannis P, **Lamnissou K**, Harris PC, Zhou J. Co-inheritance of a PKD1 mutation and homozygous PKD2 variant: a potential modifier in autosomal dominant polycystic kidney disease. *European Journal of Clinical Investigation*, 38:180-90 (2008).
16. Karvela M, Papadopoulou S, Tsaliki E, Konstantakou E, Hatzaki A, Florentin-Arar L, **Lamnissou K**. Endothelial nitric oxide synthase gene polymorphisms in recurrent spontaneous abortions. *Archives of Gynecology and Obstetric*, 278:349-52 (2008).
17. Karvela M, Stefanakis N, Papadopoulou S, Tsitilou S, Tsilivakos V, **Lamnissou K**. Evidence for association of the G1733A polymorphism of the androgen receptor gene with recurrent spontaneous abortions. *Fertility and Sterility*, 90: 9-12 (2008).
18. Stefanakis N, Zyroyannis P, Trygonis S, **Lamnissou K**. Modifier effect of the Glu298Asp polymorphism of endothelial nitric oxide synthase gene in Autosomal Dominant Polycystic Kidney Disease. *Nephron Clinical Practice*, 25:101-106 (2008).
19. Vasilakou M, Votteas V, Kasparian C, Pantazopoulos N, Dedoussis G, Constantinou Deltas C, Nastos P, Nikolakis D, **Lamnissou K**. Lack of association between endothelial nitric oxide synthase gene polymorphisms and risk of

- premature coronary artery disease in the Greek population. *Acta Cardiologica*, 63:609-614 (2008).
20. Papageorgiou E, Fiegler H, Rakyan V, Beck S, Hulten M, **Lamnissou K**, Carter NP, Patsalis P. Sites of differential DNA methylation between placenta and peripheral blood: targets for non-invasive prenatal diagnosis of aneuploidies. *American Journal of Pathology*, 174:1609-1618 (2009).
  21. Gkretsi V, Deltas C, Yapijakis C, **Lamnissou K**. Screening for Familial Mediterranean Fever M694V and V726A mutations in the Greek population. *Genetic Testing & Molecular Biomarkers*, 13:291-293 (2009).
  22. Liu Q-X, Shi S, Senthilnathan S, Yu J, Wu E, Bergmann C, Bogdanova N, Coto E, Deltas C, Devuyst O, Gitomer B, Laakso M, **Lamnissou K**, Magistroni R, Parfrey P, Breuning M, Peters D, Torra R, Winearls C, Torres V, Harris P, Paterson AD, Pei Y. Genetic modifiers of renal disease severity in PKD1 (2010). *Journal of American Society of Nephrology*, 21(9):1510-20.
  23. Litridis I, Kapnoulas N, Natisvili T, Agiannitopoulos K, Peraki O, Ntostis P, **Lamnissou K**. A polymorphism in the CYP17 gene and recurrent spontaneous abortions (2010). *Archives of Gynaecology and Obstetric*, Jan 13 [Epub ahead of print].
  24. Ntostis P, Peraki O, Boulgari A, Pantos K, Lamnissou K (2010). Genetic variation in the HSD3B1 gene and recurrent spontaneous abortions. Submitted.
  25. Agiannitopoulos K, Kyparissi A, Magginas A, Papamenzelopoulos S, **Lamnissou K**. Association study for a single nucleotide polymorphism in the CYP17 gene and coronary artery disease. In submission.

### VIII. Scientific Conferences / Meetings

1. **Lamnissou K** and Gelti-Douka H. Genetic control and physiology of the female sterile mutant Fs(1)1304 of *D. melanogaster*. International Conference on Molecular and Developmental Biology of Insects. Heraklion, Crete, Greece, 1978.
2. Hamodrakas S, Margaritis L, Papisideri I, **Lamnissou K**, Kafatos F. Fine structure of the chorion of *Bombyx mori*. Special Febs Meetings on Cell function and Differentiation, Athens, Greece, 1982.
3. Tsakas S, **Lamnissou K**. Sex ratio distortion observed in *D. simulans* after treatment with quinacrine. Annual Meeting Genetics Society of America, 1985.
4. **Lamnissou K**, Zouros E. A chromosomal analysis of male fertility breakdown in interspecific crosses between *Drosophila virilis* and *Drosophila texana*. Gordon Research Conference on Molecular Genetics Colpy-Sawer College, New London, New Hampshire, USA, 1995.

5. **Lamnisou K.** Ovarian defects in hybrids of the species pair *Drosophila virilis* and *Drosophila texana*. XX International Congress of Entomology, Firenze, Italy, 1996.
6. **Lamnisou K,** Koptides M, Demetriou K, Pierides A, Deltas C. Evidence for an association of the endothelial nitric oxide synthase gene polymorphism in intron 4 and progression to end stage renal failure in a Cypriot population. European Human Genetics Conference, 2001
7. Gretsia B, Maratheftis C, Vasilakou M, Arlapanos G, Groutidis K, Deltas C, Yapijakis C, **Lamnisou K.** Genetic screening for Familial Mediterranean Fever mutations in the Greek population. European Human Genetics Conference, Strasbourg, 2002.
8. **Lamnisou K,** Vasilakou M, Maratheftis C, Kasparian H, Deltas C. Lack of association between endothelial nitric oxide synthase gene polymorphism and coronary artery disease in the Greek population. European Human Genetics Conference, 2002.
9. Ziroyannis P, Staikos G, Psara H, **Lamnisou K.** Lack of evidence for association of the endothelial nitric oxide synthase gene polymorphism in intron 4 and progression to end stage renal disease in the Greek population. Journal of the American Society of Nephrology 13:516A, 2002
10. **Lamnisou K,** Trygonis S, Ziroyannis P. Lack of evidence of for association of the endothelial nitric oxide synthase gene polymorphism in intron 4 and progression to end stage renal disease in the Greek population. XXXIX ERA-EDTA Congress, Copenhagen, Denmark, 2002.
11. Vasilakou M, Odiatis C, Dedousis G, Votteas V, Kasparian H, Pantazopoulos N, Sarellou N, Deltas C, **Lamnisou K.** Lack of association between the polymorphisms Glu298Asp and 4VNTR of ENOS gene and premature coronary artery disease in the Greek population. European Human Genetics Conference, Prague, Czech Republic, 2005.
12. Arvaniti H, Vasilakou M, Hatzipanagi D, Votteas V, Kasparian H, Pantazopoulos N, Peste K, Stavropoulou-Gkioka A, **Lamnisou K.** Study for possible association of a polymorphism of the interleukin-6 gene promoter and coronary artery disease in the Greek population. European Human Genetics Conference, Prague, Czech Republic, 2005.
13. **Lamnisou K,** Vasilakou M, Tsaliki E, Stefanakis N, Kasparian H, Deltas C. Lack of association between ENOS gene polymorphisms and coronary artery disease. World Congress of Cardiology, Rhodes, Greece, 2006.
14. Stefanakis N, Tsaliki E, Vasilakou M, Ziroyannis P, Trigonis, **Lamnisou K.** No modifier effect of the Glu298Asp polymorphism of the ENOS gene in autosomal dominant polycystic kidney disease. European Human Genetics Conference, Nice, France, 2007.
15. Agiannitopoulos C, Kasparian H, Votteas V, **Lamnisou K.** Study for association between the polymorphism T/C of the promoter of the gene CYP17 and the risk of premature coronary artery disease. European Human Genetics Conference, Vienna, Austria, 2009.

16. Arvaniti E, Ntoufa S, Papaconstantinou N, Touloumenidou T, Laoutaris N, Anagnostopoulos A, **Lamnissou K**, Caligaris-Cappio F, Stamatopoulos K, Chia P, Muzio M, Belessi C. Toll-like receptor signalling pathway in chronic lymphocytic leukaemia: Distinct gene expression profiles of potential pathogenetic significance in specific subsets of patients. Annual Meeting of the American Society of Haematology, Orlando, Florida, 2010.