

COSTAS STAMATIS

Curriculum Vitae

PERSONAL DATA

Name: Constantinos Stamatis
Date of Birth: 25 October 1974
Nationality: Greek
Current Position: Research assistant and PhD student
Work Address: Department of Biochemistry and Biotechnology
University of Thessaly
26 Ploutonos Street
41221 Larissa, Greece
Tel: +30 2410 565287
Email: kstamatis@med.uth.gr

EDUCATION AND RESEARCH EXPERIENCE

1998 B.Sc from the School of Agriculture, Department of Animal and Plant Production, University of Thessaly, Greece.
Final Mark: 7.29 (max 10.0)
Thesis title: “Genetic analysis of *Mullus barbatus* populations applying the RAPD method”, Laboratory of Biology and Chemistry, Advisor: Prof. Z. Mamuris

2001-today PhD student in the Biochemistry and Biotechnology Department, University of Thessaly, Greece
Thesis title: “Study of the population genetic structure and phylogenesi s of brown hare (*Lepus europaeus*) with the application of molecular methods”, Laboratory of Genetics, Evolutionary and Comparative Biology, Advisor: Prof. Z. Mamuris

2006-today Permanent Research Assistant in the Biochemistry and Biotechnology Department, University of Thessaly, Greece.

Languages: Greek (native), English (fluently)

TECHNICAL EXPERIENCE

- Genomic and mitochondrial DNA extraction from different animal tissues, blood, hair, fish fins e.t.c
- PCR
- RFLP analysis
- Agarose and acrylamide electrophoresis
- Genotyping

- Population genetics statistical tools, *in silico* DNA analysis, data mining and evaluation using genomic databases

PEER-REVIEWED PUBLICATIONS

1. MAMURIS Z., STAMATIS C., TRIANTAPHYLLIDIS C. (1999). «Intraspecific genetic variation of striped red mullet (*Mullus surmuletus*, L.) in the Mediterranean Sea assessed by allozyme and Random Amplified Polymorphic DNA (RAPD) analysis». *Heredity* 83: 30-38.

2. MAMURIS Z., STAMATIS C., BANI M., TRIANTAPHYLLIDIS C. (1999). «Taxonomic relationships between four species of the Mullidae family revealed by three genetic methods: allozymes, random amplified polymorphic DNA, and mitochondrial DNA» *Journal of Fish Biology* 55: 572-587.

3. KOURETAS D., MAMURIS Z., STAMATIS C., RONDRIGUEZ-BURGOS A., NEOFITOU C. (2001). “Isolation and characterization of protein from Mendole (*Spicara maena*) eggs that binds to DNA and inhibits its replication as well as its acid precipitation”. *In vivo* 15: 49-52.

4. MAMURIS Z., SFOUGARIS A. I., STAMATIS C. (2001). “Genetic structure of Greek brown hare (*Lepus europaeus*) populations as revealed by mtDNA RFLP-PCR analysis: implications for conserving genetic diversity”. *Biological Conservation* 101: 187-196.

5. MAMURIS Z., STAMATIS C., MOUTOU K., APOSTOLIDIS A. P., TRIANTAPHYLLIDIS C. (2001). “RFLP analysis of mitochondrial DNA to evaluate genetic variation in striped red mullet (*Mullus surmuletus*, L.), and red mullet (*Mullus barbatus*, L) populations”. *Marine Biotechnology* 3: 264-274.

6. MAMURIS Z., SFOUGARIS A. I., STAMATIS C., SHUCHENTRUNK F. (2002). “Assessment of genetic structure of Greek brown hare (*Lepus europaeus*) populations based on variation in Random Amplified Polymorphic DNA (RAPD)” *Biochemical Genetics* 40: 323-338.

7. SHUCHENTRUNK F., MAMURIS Z., SFOUGARIS A. I., STAMATIS C. (2002). “Biochemical genetic variability in brown hares (*Lepus europaeus*) from Greece” *Biochemical Genetics* 41: 127-140.

8. MARGARITOPOULOS J.T., BACANDRITSOS N., PEKAS A.N., STAMATIS C., MAMURIS Z., TSITSIPIS J.A. (2003) “Genetic variation of *Marchalina hellenica* (Hemiptera: Margarodidae) sampled from different hosts and localities in Greece” *Bulletin of Entomological Research* 93: 447-453.

9. PERDIKIS D.C., MARGARITOPOULOS J.T., STAMATIS C., MAMURIS Z., LYKOURESSIS J.A., TSITSIPIS J.A. PEKAS A. “Discrimination of the closely related biocontrol agents *Macrolophus melanotoma* (Hemiptera: Miridae) and *M. pygmaeus* using mitochondrial DNA analysis” *Bulletin of Entomological Research* 93: 507-514.

10. STAMATIS C., TRIANTAFYLLIDIS A., MOUTOU K. A., MAMURIS Z. (2004) “Mitochondrial DNA variation in North East Atlantic and Mediterranean populations of Norway lobster, *Nephrops norvegicus*” *Molecular Ecology* 13: 1377-1390.

11. MAMURIS Z., STOUMBOUDI M. Th., STAMATIS, C., BARBIERI R., MOUTOU K. A. (2005) “Genetic variation of the endangered *Ladigesocypris ghigii* populations and its implications for conservation” *Freshwater Biology* 50: 1441-1453.

12. STAMATIS C., TRIANTAFYLLIDIS A., MOUTOU K. A., MAMURIS Z. (2006) “Allozymic variation in Northeast Atlantic and Mediterranean populations of

Norway lobster, *Nephrops norvegicus*” *ICES Journal of Marine Sciences* 63: 875-882.

13. **STAMATIS C.**, SUCHENTRUNK F., SERT H., TRIANTAPHYLLIDIS C., MAMURIS Z. (2006) “Genetic evidence for survival of released captive-bred brown hares (*Lepus europaeus*) during restocking operations in Greece” *Oryx* (in press).

14. SUCHENTRUNK F., BEN SLIMEN H., **STAMATIS C.**, SERT H., SCANDURA M., APOLLONIO M., MAMURIS Z. (2006) “Molecular approaches revealing prehistoric, historic, or recent translocations and introductions of hares (genus *Lepus*) by humans” *Human Evolution* 21: 151-165.

15. ZIFA E., GIANNOULI S., **STAMATIS K.**, STATHOPOULOS C., MAMURIS Z. Human mitochondrial tRNAs: pathological syndromes and perturbations in human. *RNA Biology* 4: 38-66.

16. BEN SLIMEN H., SUCHENTRUNK F., **STAMATIS C.**, MAMURIS Z., SERT H., ALVES P. C., KRYGER U., SHAHIN A. B., BEN AMMAR ELGAAIED A. Population genetics of cape and brown hares (*Lepus capensis* and *L. europaeus*): a test of Petter’s hypothesis of conspecificity *Biochemical Systematics and Ecology* 36: 22-39.

17. **STAMATIS C.**, GIANNOULI S., SUCHENTRUNK F., SERT H., STATHOPOULOS C., MAMURIS Z. (2008) Recruitment of mitochondrial tRNA genes as auxiliary molecular markers for linked functional genomic and genetic analyses: The paradigm of brown hare (*Lepus europaeus*). *Gene* 410: 154-164.

18. STRZAŁA T., **STAMATIS C.**, KOSOWSKA B., MOSKA M., MARSZAŁEK-KRUK B., MAMURIS Z. (2008). Genetic variability of the polish brown hare (*Lepus europaeus*) based on PCR-RFLP mtDNA analysis (preliminary results). *Electronic Journal of Polish Agricultural Universities (EJPAU)* 11(1), #13. Available Online: <http://www.ejpau.media.pl/volume11/issue1/abs-13.html>

19. KOUTSOGIANNOULI, E. A., MOUTOU, K. A., SARAFIDOU T., **STAMATIS, C.**, MAMURIS, Z. (2008) Detection of hybrids between Wild Boars (*Sus scrofa scrofa*) and Domestic Pigs (*Sus scrofa f. domestica*) in Greece, using the PCR-RFLP method on Melanocortin-1 Receptor (*MC1R*) Mutations. *Mammalian Biology* (in press).

20. **STAMATIS C.**, SUCHENTRUNK F, MAMURIS.Z. (2009) Phylogeography of the Brown hare, *Lepus europaeus*, in Europe: a legacy of southeastern Mediterranean refugia? *Journal of Biogeography* 36: 515-528.

21. MAMURIS Z., MOUTOU K.A., **STAMATIS C.**, SARAFIDOU T., SUCHENTRUNK F. (2009) Y DNA and Mitochondrial lineages in European and Asian populations of the brown hare (*Lepus europaeus*). *Mammalian Biology* (in press)

22. APOSTOLIDIS A. P., MOUTOU K. A., **STAMATIS C.**, MAMURIS Z. (2009) Genetic structure of three marine fishes from the Gulf of Pagasitikos (Greece) based on Allozymes, RAPD, and mtDNA methods. *Biologia* (in press)

23. KOUTSOGIANNOULI, E.A., MOUTOU, K.A., SARAFIDOU, T., **STAMATIS, C.**, MAMURIS, Z. (2009). Detection of hybrids between wild boars (*Sus scrofa scrofa*) and domestic pigs (*Sus scrofa f. domestica*) in Greece, using the PCR-RFLP method on melanocortin-1 receptor (*MC1R*) mutations. *Mammalian Biology* (in press).

24. E.A. KOUTSOGIANNOULI, K.A. MOUTOU, TH. SARAFIDOU, **C. STAMATIS**, V. SPYROU, Z. MAMURIS. Variation at the class II DQA locus of the major histocompatibility complex in the brown hare (*Lepus europaeus*). *Molecular Ecology* (accepted).

ABSTRACTS AND CONFERENCE ATTENDANCE

1. KOURETAS D., MAMURIS Z., **STAMATIS K.**, RONDRIGUEZ-BURGOS A., TSAMIS V., NEOFITOU C. “Characterization of a DNA binding protein from mendole (*Spicara maena*) eggs that inhibits DNA replication and DNA acid precipitation”. 6th Panhellenic Conference of Fishery and Oceanography, Chios, Greece 2000.

2. MAMURIS Z., **STAMATIS K.**, SFOUGARIS A. I., SUCHENTRUNK F. “Comparison of the genetic diversity of brown hares from Greece, Bulgaria and Central Europe as assessed by mtDNA-RFLP analysis”. European symposium on “The decline of the European hares: an interdisciplinary European research task” Berlin 18-22 April 2001.

3. **STAMATIS C.**, MOUTOU K. A., TRIANTAFYLLIDIS A., MAMURIS Z. “Genetic differentiation of Norway lobster (*Nephrops norvegicus*) populations as revealed by mitochondrial DNA analysis”. European conference on “Life Histories and Management of Crustacean Fisheries” Coruna, Galicia, Spain, 8-12 October 2001.

4. MAMURIS, Z., SFOUGARIS, A.I., **STAMATIS, C.** SUCHENTRUNK, F. (2001): Genetic diversity of Brown hares from Greece, Bulgaria and Central Europe as assessed by mtDNA-RFLP analysis. XXVth IUGB Congress, Lemesos, Cyprus, Sept. 3-7, 2001. Abstracts volume, p.113.

5. MAMURIS Z., **STAMATIS C.**, SFOUGARIS A.I., GIACOMETTI M., HAERER G., VUKOVIC M., SERT H., TVRTKOVIC N., SUCHENTRUNK F. “Mitochondrial DNA diversity of central European Brown hares (*Lepus europaeus*): A legacy of Late Glacial Mediterranean refugia?” INTERNATIONAL SYMPOSIUM Phylogeography in Southern European Refugia: Evolutionary Perspectives on the Origins and Conservation of European Biodiversity 11-15 March 2002 Vairão, Portugal.

6. SUCHENTRUNK, F., MAMURIS, Z., **STAMATIS C.**, SFOUGARIS, A.I., GIACOMETTI, M., HAERER, G., MARKOV, G., KASAPIDIS, P., MAGOULAS, A., KOTOULAS, G., SERT, H., DAVIDOVIC, M., VUKOVIC, M., VAPA, L., TVRTKOVIC, N., ERDOGAN, A., ALVES, P.C. «Postglacial colonization of central Europe by brown hares, *Lepus europaeus* – a phylogeographic approach. Invited oral presentation. Symposium: Phylogeography of European mammals». 2003, Brno.

7. SUCHENTRUNK, F., MAMURIS, Z., **STAMATIS, C.**, GIACOMETTI, M., HAEHRER, G., «Bidirectional introgressive hybridization between Alpine mountain hares, *Lepus timidus varronis*, and brown hares, *L. europaeus*». (Invited oral presentation) Irish Hare Workshop, 5th November 2003.

8. MAMURIS, Z., SUCHENTRUNK, F., **STAMATIS, C.** “Phylogeography of European brown hares, *Lepus europaeus*”. (Invited oral presentation) Irish Hare Workshop, 5th November 2003.

9. MAMURIS, Z., SUCHENTRUNK, F., **STAMATIS, C.**, SFOUGARIS, A.I., GIACOMETTI, M., HAERER, G., SERT, H., DAVIDOVIC, M., VUKOVIC, M., VAPA, L., TVRTKOVIC, N., ERDOGAN A., ALVES, P.C. (2004): Phylogeography of European brown hares (*Lepus europaeus*). 2nd World Lagomorph Conference, Vairão, Portugal, 26.-31.7.2004, abstract book p. 111.

10. SUCHENTRUNK, F., MAMURIS, Z., **STAMATIS, C.**, BEN SLIMEN, H., HACKLÄNDER, K., HAERER, G., GIACOMETTI, M. (2004): Bilateral introgressive hybridization in wild living mountain hares (*Lepus timidus varronis*) and

brown hares (*L. europaeus*) from Switzerland. 2nd World Lagomorph Conference, 26-31 July 2004, Vairão, Portugal, abstract book p.26.

11. MAMURIS, Z., STOUMBOUDI M. TH., **STAMATIS C.**, BARBIERI R., MOUTOU K. A. (2004): Genetic Variation of the Endangered *Ladigesocypris ghigii* Populations revealed by the RAPD-PCR Technique and the RFLP Analysis of PCR Amplified mtDNA Segments: Implementation to Species Conservation. XI EUROPEAN CONGRESS OF ICHTHYOLOGY. September 6-10, 2004 Tallin, Estonia.

12. MAMURIS Z., **STAMATIS C.**, SUCHENTRUNK F. (2005). Polymorphism of the MHC Class II DQA gene in Greek brown hare (*Lepus europaeus*). IUGB 2005 - XXVIIth Congress of the International Union of Game Biologists Hannover, Germany

13. **STAMATIS, C.**, SUCHENTRUNK, F., MAMURIS, Z. (2005). Genetic evidence for survival of released captive-bred brown hares (*Lepus europaeus*) during restocking operations in Greece. IV International Symposium on Wild Fauna, Vysoke Tatry National Park, Tatranska Lomnica, Slovakia, September 4-9, 2005.

14. MAMURIS Z., **STAMATIS C.**, BILLINIS C., SUCHENTRUNK F. (2005). Polymorphism of the MHC Class II DRB gene in Greek brown hare (*Lepus europaeus*). IV International Symposium on Wild Fauna, Vysoke Tatry National Park, Tatranska Lomnica, Slovakia, September 4-9, 2005.

15. MAMURIS Z., **STAMATIS C.**, SUCHENTRUNK F., MOUTOU K. A. (2006). Polymorphism of the MHC class II DQA gene in brown hares (*Lepus europaeus*) from Europe, Turkey and Israel. 1st European Congress of Conservation Biology, Eger, Hungary, August 22-26.

16. **STAMATIS C.**, SUCHENTRUNK F., MAMURIS Z. (2006). Genetic evidence for survival of released captive-bred brown hares (*Lepus europaeus*) during restocking operations in Greece. 1st European Congress of Conservation Biology, Eger, Hungary, August 22-26.

17. KOUTSOGIANNOULI E., **STAMATIS C.**, MOUTOU K. A., SARAFIDOU T., MAMURIS Z. (2007) Major Histocompatibility Complex variation in European populations of brown hares (*Lepus europaeus*). 5th International Congress on the Wild Fauna, 22-27 September, Chalkidiki, Greece.

18. SPYROU V., **STAMATIS C.**, GOULAS P., BIRTSAS P., MAMURIS Z., BILLINIS C. (2007). Phylogenetic analysis of European Brown Hare Syndrome isolates correlated with genetic variation in European populations of brown hare (*Lepus europaeus*). 5th International Congress on the Wild Fauna, 22-27 September, Chalkidiki, Greece.

19. KOUTSOGIANNOULI E. A., K. A. MOUTOU, T. SARAFIDOU, **C. STAMATIS**, V. SPYROU, MAMURIS Z. (2009) Major histocompatibility complex variation at class II DQA locus in the brown hare (*Lepus europaeus*). European Science Foundation (ESF) ConGen conference in Trondheim, 23-26 May.

20. MOUTOU K. A., FIRME T., **STAMATIS C.**, STOUMBOUDI M. TH., MAMURIS Z. (2009) Genetic variation of the MHC in endangered *Ladigesocypris ghigii* populations and its implications for conservation. European Science Foundation (ESF) ConGen conference in Trondheim, 23-26 May.

21. SUCHENTRUNK, F., MAMURIS, Z., **STAMATIS, C.**, BEN SLIMEN H., HACKLÄNDER, K., HAERER, G., AND GIACOMETTI, M. (2005): Introgressive hybridization in wild living mountain hares (*L. timidus varronis*) and brown hares (*L. europaeus*) and morphological consequences. *Mammalian Biology* 70, suppl. 1, 39-40.

22. BEN SLIMEN, H., SCHAPPELWEIN, S., SERT, H., **STAMATIS, C.**, MAMURIS, Z., SUCHENTRUNK, F. (2006). Microsatellite diversity in brown hares (*Lepus europaeus*) from a mitochondrial introgression zone. Congress of the German Mammal Society, Kiel, Germany, September 2006, *Mammalian Biology* 71 (suppl.), 8.

23. SUCHENTRUNK, F., BEN SLIMEN, H., **STAMATIS, C.**, MAMURIS, Z. (2007): Bayesian analysis of microsatellite variation in brown hares (*Lepus europaeus*) from Greece. German Society of Mammalogy, 81st Annual Meeting, Lodz, Polen, 23.-26.09.2007, p. 12-13.