

KATERINA MANOLAKOU

Assistant Professor
“Animal Genetics and Molecular Biology”



Surname	MANOLAKOU
Name	Katerina
Father's name	Aristedis
Date of birth	1966
Place of birth	Athens, Greece
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EDUCATION

PhD, Laboratoire Génome et Populations CNRS- UMR 5171, Université de Montpellier II, France (1996)

Ptychio, Agricultural University of Athens, Greece (1991)

PROFESSIONAL ACTIVITIES

2006 – Present	Faculty of Veterinary Medicine, UTH, Greece
2001 – 2006	Scientific Officer, National Bioethics Commission, Greece
1997 – 2001	Postdoctoral Researcher, MRC Human Genetics Unit, UK

Undergraduate teaching

Lectures and Practicals (2006 – present) in Transmission and Populations Genetics (2nd semester students)

Lectures and Practicals (2011- present) in Animal Breeding (3rd semester students)

Lectures (2009-2011) in Animal Breeding and Welfare (4th and 5th semester students)

ADMINISTRATIVE ACTIVITIES

Member of the General Assembly of the Faculty

Elected representative of the lecturers at the Senate (2009-2010)

Member of the local ethics committee (2006 – 2009) and (2015 -)

Member of the working group that prepared the Ethics Code of the University (2008-2009)

RESEARCH

Research interests

Animal genetics, QTL mapping

Research grants

CSN1S2 (as2 casein) genetic polymorphism characterisation in two indigenous goat breeds, Skopelos and Karystos breeds. (2007) UTH Research Committee

Participation to 3SR - *Sustainable Solutions for small ruminants*. (2009-2011). EU FP7

PUBLICATIONS

Monograph - PhD thesis

Manolakou K.: Genetic interactions between the European subspecies of house mouse *Mus musculus musculus* and *Mus musculus domesticus* based on experimental crosses. Laboratoire Génome et Populations CNRS- UMR 5171, Université de Montpellier II, France (1996)

Book Chapters

Tsokana C, Athanasiou L, Valiakos G, Spyrou V, **Manolakou K**, Billinis C (2014): Molecular diagnosis of Leishmaniasis, species identification and phylogenetic analysis. In *Leishmaniasis - Trends in Epidemiology, Diagnosis and Treatment*, Dr. Clarbon D (Ed), ISBN 978-953-51-1232-7 InTech, DOI: 10.5772/57448

Research Articles

Sokos C, Birtsas P, Papaspyropoulos K, Giannakopoulos A, Athanasiou L.A, **Manolakou K**, Spyrou V, Billinis C (2015): Conservation Considerations for a Management Measure: An Integrated Approach to Hare Rearing and Release. *Environmental Management* 55(1): 19-30

Valiakos G, Papaspyropoulos K, Giannakopoulos A, Birtsas P, Tsiodras S, Hutchings M.R, Spyrou V, Pervanidou D, Athanasiou L.V, Papadopoulos N, Tsokana C, Baka A, **Manolakou K**, Chatzopoulos D, Artois M, Yon L, Hannant D, Petrovska L, Hadjichristodoulou C, Billinis C (2014): Use of Wild Bird Surveillance, Human Case Data and GIS Spatial Analysis for Predicting Spatial Distributions of West Nile Virus in Greece. *PLoS One* 9(5): e96935

Spyrou V, Stamatis C, Birtsas P, Psychas V, **Manolakou K**, Billinis C, Mamuris Z (2013): Evidence for European brown hare syndrome virus introduction with translocated brown hares (*Lepus europaeus*): implications for management of restocking operations. *Wildlife Research* 40(7): 545-551

Manolakou K, Beaton J, McConnell I, Farquar C, Manson J, Hastie N, Bruce M and Jackson I.J (2001): Genetic and environmental factors modify bovine spongiform encephalopathy incubation period in mice. *PNAS* 98 (13): 7402-7407

Manolakou K, Cross S.H, Simpson E.H, Jackson I.J (1999): Meeting report of the 12th International Mouse Genome Conference. *Genomics* 57 (1): 184-188

Lenorman T, Fel-Clair F, **Manolakou K**, Alibert P, Britton-Davidian J (1997): Chromosomal transmission bias in laboratory hybrids between wild strains of the two European subspecies of house mice. *Genetics* 147 (3): 1279-1287

Aliber P, Fel-Clair F, **Manolakou K**, Britton-Davidian J, Auffray J-C (1997): Developmental stability, fitness and trait size in laboratory hybrids between European subspecies of the house mouse. *Evolution* 51 (4): 1284-1295

Manolakou K, Krimbas CB (1992): Changes to recombination values in *D.subobsura* due to the presence of inversions. *D.I.S.* 71: 197-198

International scientific conferences ad meetings

Van Agtmael T, **Manolakou K**, Beaton J, McConnell I, Farquar C, Manson J, Hastie ND, Bruce M, Jackson IJ (2002): Genetic factors that modify BSE incubation period in mice. The 16th International Mouse Genome Conference, San Antonio, TX USA. (poster)
<http://imgs.org/abstracts/2002abstracts/file162.shtml>

Manolakou K, Bruce M., Jackson I.J. (1999): Localising modifiers of BSE susceptibility. 13th International Mouse Genome Conference, Philadelphia USA. (poster)
<http://www.imgs.org/abstracts/99abstracts/manolakou.shtml>

Manolakou K, Bruce M., Jackson I.J. (1998): Genome wide scan for modifiers of BSE susceptibility. 12th International Mouse Genome Conference, Garmisch Germany. (poster)

Fel-Clair F., Rocci C., Alibert P., **Manolakou K**, Britton Davidian J. (1996): Post-zygotic isolation in wild and laboratory-bred hybrids between two European subspecies of house mouse. *Species and Speciation: A symposium in honor of Guy L. Bush*, Asilomar California USA. (poster)

Boursot P., **Manolakou K**, Dod B., Bonhomme F. (1996): Genomic incompatibilities between subspecies of the house mouse: lessons from hybrid zones, molecular phylogeny and artificial crosses. 10th International Workshop in Molecular Genetics of the Mouse, Spa Belgium (oral presentation by B.P)

Manolakou K, Dod B., Orth A., Bonhomme F., Boursot P. (1995): Genomic interactions and segregation distortion in artificial hybrids of mouse. 5th Congress of the European Society for Evolutionary Biology, Edinburgh UK (oral presentation by M.K.)
<http://www.eseb.org/index.html?http://www.eseb.org/jmsprize.htm>

Manolakou K, Dod B., Bonhomme F., Boursot P. (1994): The study of genomic interaction in mouse using natural and artificial hybrids. 9th International Workshop in Molecular Genetics of the Mouse, Edinburgh UK. (oral presentation by M.K.)

National scientific conferences ad meetings

Manolakou K., Fthenakis G.C., Giannenas E., Banos G., Kyriazakis I. (2012): Characteristics of milk production of pure-bred Skopelos goats in Thessaly, Greece. 12th Panhellenic Veterinary Conference , Athens, Greece

Manolakou K., Bruce M., Jackson I.J. (2000): Modifiers for BSE incubation period. Transmissible Spongiform Encephalopathies Workshop, Keele University UK (poster)

Manolakou K., Bruce M., Jackson I.J. (1998): Genetic design for detecting modifiers of prion susceptibility. Transmissible Spongiform Encephalopathies Workshop, Warwick UK (oral presentation by M.K.)

Mathieu E., **Manolakou K.**, Bonhomme F., Boursot P., Dod B. (1994): Mise en évidence indirecte des régions chromosomiques soumises á la sélection dans une zone d'hybridation. Petit Poids Dérivé, Poitiers France (oral presentation by M.K.)

Bioethics Publications

Manolakou, K. (2005): Ethics codes in research involving animals. In *Selfregulation* (in Greek). Sakkoulas Editions, Athens, Greece (ISBN: 9603019364)

Manolakou, K. (2004): Different scientific opinions regarding the impact of genetically modified organisms on environment and consumer health. In *Genetically modified organisms and sustainable development* (in Greek). Ant. Sakkoulas Editions, Athens, Greece (ISBN: 9601512764)

Vidalis, T.K. and **Manolakou, K.** (2002): Selected documents in Bioethics (in Greek). Ant. Sakkoulas Editions, Athens-Komotini, Greece (ISBN: 9601507167)