

CURRICULUM VITAE

George P. Laliotis

Personal Information

Date of birth: 23 of April 1979 Athens, Greece
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Education:

- 1997-2002: Bachelor of Agricultural Engineering with specialization on Animal Production (*Ptychio*, 5 yrs). Department of Animal Husbandry Faculty of Animal Science. Agricultural University of Athens. *Thesis: "Effects of three different floor types on the behaviour and welfare of semi-intensively reared dairy ewes"*
- 2003-2004: Post-graduated student (M.Sc) at the Department of Animal Husbandry, Faculty of Animal Science, Agricultural University of Athens. *Thesis: "Construction of an ovine small insert DNA library"*. Supervisor: Prof. Dr. Emmanuel Rogdakis.
- 2004-2007 Ph.D student at the Department of Animal Husbandry, Faculty of Animal Science, Agricultural University of Athens. *Thesis: "Cloning and molecular characterization of ovine glucose 6-phosphate dehydrogenase gene"*. Supervisor: Prof. Dr. Emmanuel Rogdakis.

Several seminars attended on Animal science topics and biotechnology/gene technology

Work Experience

- 2019-Present: Assistant Professor on Animal Husbandry. Department of Animal Science, Faculty of Animal Biosciences, Agricultural University of Athens.
- 2017- 2019: Researcher (on Population and molecular genetics of productive animals) at the Institute of Animal Science, "Hellenic Agricultural Organization-DIMITRA".
- 2016-2018: Scientific Advisor to the Minister of Rural Development and Food on Animal Science topics.
- 2009-2017: Credential Evaluator in the field of Geosciences. National Academic Recognition Information Center (Greek NARIC). Ministry of Education, Research and Religious Affairs. Responsible for foreign degrees' recognition and foreign Universities evaluation.
- 2015 (Spring Semester): Assistant Professor (with contract) at Aristotle University of Thessaloniki (Division of Animal Science). Spring Semester. Module teaching: "Physiology of Reproduction in Farmed animals".
- 2009-2010: Post Doc Researcher at the Department of Animal Science, Agricultural University of Athens.
- 2008-2009: Application Specialist. Molecular Biology Department, *Biosolutions Ltd.* Responsible of customers' training, experimental procedures, troubleshooting and customers' methods set up, experiments services, ISO implementation.
- 2007-2008: Military Service. Supply and Transportation Battalion.
- 1/2007- 3/2007: Employment contract as auditor of a single program support units of plant and livestock in Samos Island. Agency of Payments and Inspections Community Aid Guidance and Guarantee Fund (OPEKEPE).

2006-2008: External collaborator of *Lacon Hellas Ltd* concerning organic farming certifications.

Research programs / collaborations

2019-Present: Climate Change in Agriculture (CLICHA). Erasmus+ KA2 action. Principal Investigator: Prof. Iosif Bizelis

1/4/2018-present: Different forces behind the development of genomic diversity in indigenous cattle strains and breeds in Greece. Joint research program between German and Greece funded by DAAD. Principal Investigator: Prof. Iosif Bizelis.

1/02/2009– 31/01/2010: Investigating the physiological role of ovine glucose 6-phosphate dehydrogenase transcript B in Chios sheep breed. Greek State Foundation of Scholarships. Postdoctoral research.

21/05/2007-20/06/2007: Genetic mapping of melanocortin receptor (MC1R) in pig population attempting the differential discrimination of the subspecies *Sus scrofa domestica* and *Sus scrofa fera*. Research Project: "Comparative study of behavioral characteristics and productivity of farmed pig breeds. General Secretariat for Research and Technology. P.I: Prof. Stelios Deligeorgis

1/10/2006-30/11/2006: Project "Reforming the Undergraduate Program of the Division of Animal Production and Aquaculture, EPEAEK II. Project Title: Production of audio-vision material for the course: 'Physiology of Productive Traits'.

1/2/2006-31/3/2006: Project "Reform of the Undergraduate Program of the Division of Animal Production and Aquaculture, EPEAEK II. Project Title: Production of audio-vision material for the course: 'Introduction to Animal Husbandry'.

(Co-)Teaching Modules

2019- present: Principles of Animal Production (Laboratory), Animal Husbandry (Laboratory), Ruminant Production (Theory and Laboratory), Milk Production Management (Post graduate level MSc: "Modern Food Technology I) Dairy II) Oenology). Agricultural University of Athens.

2015 (spring semester): "Physiology of Reproduction in Farmed animals". Department of Agriculture-School of Agriculture, Forestry and Natural Environment of the Aristotle University

Publications

25 publications in international journals / 15 publications in conference book abstracts/ 2 book chapters.

Foreign Languages:

- English (fluently, Certificate of Proficiency in English, Michigan University)
- Italian (Very Good, Certificato Superiore di conoscenza della Lingua Italiana)
- German (Basic user, KPG level B1)

Informatics:

- FORTRAN 77, Basic
- Software: Mathematica, Statgraphics, SPSS
- Windows: ECDL (Word, Excel, PowerPoint, Outlook Express, Internet, Windows)

Scholarships and Awards:

1997-1998: Academic year award from the Greek State Scholarship Foundation.

2003: PhD. Scholarship. Greek State Scholarships Foundation on "Gene Technology of productive animals"

2008: Post Doc grant from the Greek State Scholarships Foundation on "Animal Science"

Member

- Geotechnical chamber of Greece (GEOTEE)

Publications:

D. Papachristou, P. Koutsouli, **G.P. Laliotis**, E.Kunz, M. Upadhyay, D.Seichter, I. Russ, B. Gjoko, N.Kostaras, I.Bizelis, I.Medugorac (2020). Genomic diversity and population structure of the indigenous Greek and Cypriot cattle. GSE (accepted).

G.P Laliotis, P. Koutsouli, K.Sotirakoglou, G. Savoini, I. Politis (2020). Short communication: Association of oxidative stress biomarkers and clinical mastitis incidence in dairy cows during the periparturient period. Journal of Veterinary Research (accepted).

Doulgerakis V., Kalyvas D., Bocaz E., Giannousis C., Feidakis M., **Laliotis G.P.**, Patrikakis B., Bizelis I. (2019). An Animal Welfare Platform for Extensive Livestock Production Systems. Proceedings of the Poster and Workshop Sessions of Aml-2019-European Conference on Ambient Intelligence, Rome, Italy, 13-Nov-2019.

G.P. Laliotis and I.Bizelis (2019). Current Knowledge on Ovine Glucose 6-Phosphate Dehydrogenase (G6pd): from Enzymatic Activity to -Omics Approaches and Future Perspectives', International Journal of Current Advanced Research, 8(12): 20785-20789.

G.P. Laliotis, P. Koutsouli, I. Bizelis (2018). Implementation of DNA based techniques on traceability process of small ruminant species and products. Journal of Applied Veterinary and Animal Research, 5 (3): 255-264.

G.P. Laliotis and M. Avdi (2018). Evidence of Genetic Hybridization of the wild boar and the indigenous black pig in northern Greece. Biotechnology in Animal Husbandry 34 (2):149-158

G.P. Laliotis and M. Avdi (2017). Genetic diversity assessment of an indigenous horse population of Greece. Biotechnology in Animal Husbandry 33(1): 81-90

Laliotis, G.P., Marantidis, A., and Avdi M (2017). "Association of BF, RBP4, and ESR2 Genotypes with Litter Size in an Autochthonous Pig Population. Animal Biotechnology 28(2): 138-143

Giantsis IA, **Laliotis GP**, Stoupa O, Avdi M. (2016). Polymorphism of the melatonin receptor 1A (MNTR1A) gene and association with seasonality of reproductive activity in a local Greek sheep breed. J Biol Res 23:9.

A. Marantidis, **G.P. Laliotis**, M. Avdi (2016). Association of RBP4 genotype with reproductive phenotypic traits of sows. Genetic Research International journal 2(6):67-70.

G.P. Laliotis, A. Marantidis, M. Avdi (2015). Relation Between ESR 2 Genotypes and Reproductive Performance of a Large White x Landrace Sow Population. International Journal of Biological Sciences and Applications. Vol. 2, No. 5,: 67-70.

A. Marantidis, **G.P. Laliotis**, G.Michailidis, M. Avdi (2015). Study of Toll-like Receptor and B-defensins genes expression pattern in porcine reproductive organs. Animal Biotechnology 26: 188-193.

Stoupa O., Giantsis I.A., **Laliotis G.P.**, Avdi M. (2015). Genotype Association of the MNTR1A gene with fertility in a Greek indigenous sheep breed (poster). The 66th Annual Meeting of the European Federation of Animal Science (EAAP). Warsaw-Poland (31/8/2015-4/9/2015).

K.A. Triantaphyllopoulos, **G. P. Laliotis**, I.A. Bizelis (2014). Energy balance-dependent regulation of ovine glucose 6-phosphate dehydrogenase protein isoform expression. Adipocyte 3:30-38.

G. P. Laliotis, I. Bizelis, A. Vitsa, E. Rogdakis (2012). Increase of energy balance significantly alters major lipogenic gene expression in lactation ewes. Animal Biotechnology 23(1):64-69.

G. Theodorou, A. D. Lampidonis, **G. P. Laliotis**, I. Bizelis, I. Politis (2012). Expression of plasminogen activator-related genes in the adipose tissue of lactating dairy sheep in the early post-weaning period. Journal of Animal Physiology and Animal Nutrition, 96 (3): 403-407.

Symeon G., Bizelis I., Mantis F., Sinanoglou V., **Laliotis, G.**, Charismiadou M., Rogdakis E. (2010). Effects of caponization on meat quality, lipid composition and selected physiological characteristics of broilers and male layers (poster). Book of Abstracts of the 61st Annual Meeting of the European Association for Animal Production. Heraklion, 2010, p. 32

G. P. Laliotis, A. Vitsa, I. Bizelis, M.A. Charismiadou, E. Rogdakis (2010): Molecular study of ovine glucose 6-phosphate dehydrogenase gene expression in respect to different energy intake. *Comparative Biochemistry and Physiology Part D*, 5(2):124-129

G. P. Laliotis, S. Trivizaki, I. Bizelis, M. A. Charismiadou, E. Rogdakis (2010): Enzymatic and mRNA transcript response of ovine 6-phosphogluconate dehydrogenase (6PGD) in respect to different weights from weaning to four months of age. *Animal Biotechnology* 21(3):149-155

G. P. Laliotis, I. Bizelis, E. Rogdakis (2010): Comparative approach of the de novo fatty acid synthesis (lipogenesis) between ruminant and non ruminant mammalian species: From biochemical level to the main regulatory lipogenic genes. *Current Genomics* 11(3): 168–183.

S. Trivizaki, **G. P. Laliotis**, I. Bizelis, M. A. Charismiadou, E. Rogdakis (2009): Enzymatic and mRNA transcript response of ovine 6-phosphogluconate dehydrogenase (6PGD) in respect to different milk yield. *Biochemistry Research International*, 2010: 1-5

G. P. Laliotis, I. Bizelis, A. Argirokastritis, E. Rogdakis (2008): Cloning and characterization of a novel ovine (*Ovis aries*) cDNA sequence encoding glucose 6-phosphate dehydrogenase, an enzyme involved in lipogenesis. *Animal Science Review*, 38:75-86.

G. P. Laliotis, I. Bizelis, A. Argirokastritis, E. Rogdakis (2007): Isolation, cloning and computational analysis of the 5' regulatory region of ovine G6PD gene. *Comparative Biochemistry and Physiology Part B* 147: 627-634.

G. P. Laliotis, A. Argirokastritis, I. Bizelis, E. Rogdakis (2007): Cloning and characterization of an alternative transcript of ovine glucose 6-phosphate dehydrogenase gene: comparative approach between ruminant and non-ruminant species. *Gene* 388: 93-101.

G. P. Laliotis, I. Bizelis, A. Argirokastritis, E. Rogdakis (2007): Isolation, cloning and computational analysis of a novel ovine cDNA encoding ATP synthase subunit D. *Animal Science Review*, 37: 49-57.

G. Laliotis, **A. Lampidonis**, **A. Argirokastritis**, **E. Rogdakis** (2005): Isolation and characterization of novel microsatellite ovine sequences. *Animal Science Review* 34:37-50 (in Greek).

P. Panagakis, S. Deligeorgis, G. Zervas, **G. Laliotis**. (2004): Effects of three different floor types on the posture behaviour of semi-intensively reared Boutsiko breed dairy ewes. *Small Ruminant Research* 53: 111–115.

Book chapters

G. P. Laliotis, I. Bizelis (2011). Sheep and Starvation: From Physiology Aspects to Main Gene Control. In: *Biology of Starvation in Humans and Other Organisms*. Nova Science Publishers pp. 357-368.

Laliotis, G., Bizelis, I., Rogdakis, E (2007). Main regulatory genes involved in the de novo fatty acids synthesis (lipogenesis) in small ruminants. In: *Genomics and Proteomics*. Bioscience Publications, India.