

Emmanouil Liandris

e-mail: emmanouil_l@hotmail.com

PERSONAL INFORMATION

Date of birth: 07 June 1978

Nationality: Greek

Military service: completed

EDUCATION

- **Doctorate Diploma in Veterinary Hygiene and Animal Pathology** 2007
Faculty of Veterinary Medicine University of Milan, Italy
Thesis: "Development and application of an innovative control program against paratuberculosis in dairy cows"
- **Degree in Veterinary Medicine** 110/110 cum laude 2003
Direction Veterinary Public Health and Infectious Diseases
Faculty of Veterinary Medicine, University of Bologna, Italy
Dissertation: "Paratuberculosis in small ruminants"

STUDENTSHIPS - AWARDS

- PhD studentship, Italian Republic 2003-2006
- Graduation award, University of Bologna, (ARSTUD) 2003

RESEARCH AND TEACHING EXPERIENCE

- Veterinary Surgeon** 2007-today
- Research Associate**
In the European co-funded program: "Evaluation of the biosafety of child food of animal origin in Greece".
Dep. of Animal Science and Aquaculture, Agricultural University of Athens
 - Responsible for the development of methods for the improvement of nucleic acid extraction from food Aug 2010 – April 2011
 - Responsible for the development and application of molecular protocols for the detection of food born pathogens in child food
 - Participation in the laboratory training of under and post -graduate students of the department
- Research Associate - Lecturer**
Dep. of Medical Laboratories, Faculty of Health and Caring professions, Technological Educational Institute of Athens Oct 2010 – Jul 2011
Teaching General Microbiology (2h/week)
- Lecturer (P.D. 407/80)**
Agricultural University of Athens, Dep. of Animal Science and Aquaculture Dec 2009 – Feb 2010
 - Teaching Anatomy of Animals (2h/week)
- Research Associate** 2007-2009
in the European funded program: "Multiparametric detection of biomolecule

conjugated nanoparticles for the diagnostic investigation of mycobacterial infections of humans and animals”

Dep. of Animal Science and Aquaculture, Agricultural University of Athens

- Responsible for the design and the conjugation of oligonucleotide probes on the surface of gold nanoparticles and CdSe quantum dots
- Responsible for the assessment of the physico-chemical and biological properties of conjugated nanoparticles and their performance in the detection of biological material in clinical samples
- Participation in the laboratory training of under and post -graduate students of the department

TECHNICAL SKILLS

Technical skills

Microbiological techniques for culture and identification of bacteria with specialty in mycobacteriology

Serological based diagnosis of diseases

Molecular biology techniques for the extraction and amplification of nucleic acids from various matrices including food.

Extensive experience in Real Time PCR absolute and relative quantification.

Experience in cloning techniques and gene expression studies

Experience in functionalization of gold nanoparticles and CdSe quantum dots

Computer skills

Windows environment, MS Office, Internet

Licenses

License to practice Veterinary Medicine in Greece

License to practice Veterinary Medicine in Italy

FOREIGN LANGUAGES

Greek Mother tongue

Italian Fluent

English Fluent

French Basic

PATENTS

09008732.1-1223 Mycobacterial Detection 03-07-2009

09003292.1-1222 Paratuberculosis susceptibility test 29-04-2009

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Luzzago, C., Frigerio, M., **Liandris**, E., Cesaris, L., Cabrini, L., Piccinini, R. and Zecconi, A. (2006). Voluntary control program against BVD infection in Lecco and Como provinces: results of a three years experience. *L'osservatorio*, 1: 4-8. (In Italian).
- Liandris**, E., Piccinini, R., Daprà, V., Cesaris, L. and Zecconi, A. (2006). Application of a voluntary control program against paratuberculosis in Lombardia region. *Obiettivi e Documenti Veterinari* 27(4): 27-31 (In Italian).
- Piccinini, R., **Liandris**, E., Frigerio, M., Daprà, V. and Zecconi, A. (2006). Comparison of blood non-specific immune parameters in BVDV persistently infected and immune heifers. *Journal of Veterinary Medicine B*, 53: 62-67.
- Zecconi, A., Cesaris, L., **Liandris**, E., Daprà, V. and Piccinini, R. (2006). Role of several *Staphylococcus aureus* virulence factors on the inflammatory response in bovine mammary gland. *Microbial Pathogenesis*, 40: 177-183
- Piccinini, R., Binda, E., Daprà, V., Liandris, E. and Zecconi, A. (2006). Evaluation of immunity of dairy cows in the periparturient period. *Obiettivi e Documenti Veterinari* 26(11): 5-12. (In Italian).
- Manarolla, G., **Liandris**, E., Pisoni, G., Moroni, P., Piccinini, R., Rampin, T. (2007). Mycobacterium genavense and avian polyomavirus co-infection in a European goldfinch (*Carduelis carduelis*). *Avian Pathology*, 6(5):423-6.
- Ikonomopoulos J., Liandris E., Gazouli M (2008). Design and evaluation of gold nanoparticle oligonucleotide conjugate probes for the detection of mycobacteria. *Acta Hellenica Microbiologica*, 53: 352-359
- Liandris** E., Gazouli, M., Ikonomopoulos, J. (2009). Characterization of the caprine (*Capra hircus*) slc11a1 gene: Innate resistance to paratuberculosis. *Online Journal of Veterinary Research*, 13: 41-52.
- Liandris**, E., Gazouli, M., Andreadou, M., Comor, M., Abazovic, N., Sechi L.A., Ikonomopoulos J. (2009). Direct detection of unamplified DNA from pathogenic mycobacteria using DNA-derivatized gold nanoparticles. *Journal of Microbiological Methods*, 78: 260-264
- Manarolla, G., **Liandris**, E., Pisoni, G., Sasserà, D., Grilli, G., Gallazzi, D., Sironi, G., Moroni, P., Piccinini, R., Rampin, T. (2009). Avian mycobacteriosis in companion birds: 20-year survey. *Veterinary Microbiology*, 133: 323-327
- Ikonomopoulos, J., **Liandris**, E., Andreadou, M., Gazouli, M. (2009). Association between abortion records in goats and test-positivity to *Mycobacterium avium* subsp. *paratuberculosis*. *The open Veterinary Science Journal*, 3: 1-5
- Ikonomopoulos, J., Fragkiadaki, E., **Liandris**, E., Sotirakoglou, K., Xylouri, E., Gazouli, M. (2009). Estimation of the spread of pathogenic mycobacteria in organic broiler farms by the polymerase chain reaction. *Veterinary Microbiology*, 133: 278-282
- Korou, M.I., **Liandris**, E., Gazouli, M., Ikonomopoulos, J. (2010). Investigation of the association of the SLC11A1 gene with resistance/sensitivity of goats (*Capra hircus*) to paratuberculosis. *Veterinary Microbiology*, 144: 353-358.
- ourelatou, E., Spyratou, E., Georgopoulos, A., Makropoulou, M., **Liandris** E., Gazouli, M., Ikonomopoulos, J., Demetzos, C. (2010). Development and characterization of oligonucleotide-tagged dye-encapsulated EPC/DPPG liposomes. *Journal of Nanoscience and Nanotechnology* 10: 5548- 5556.
- Liandris E., Gazouli M., Andreadou M., Sechi L., Rosu V., Ikonomopoulos J. (2011). Detection of Pathogenic Mycobacteria Based on Functionalized Quantum Dots Coupled with Immunomagnetic Separation. *Plos One* 6(5): e20026. doi:10.1371/journal.pone.0020026