



## Europass Curriculum Vitae

### Personal information

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Nationality	Italian		
Date of birth	4 <sup>th</sup> April 1969		
Gender	M		

### Current qualifications

- **Senior veterinarian at IZSPLVA**
- **Head of Genetics and Immunobiochemistry Laboratory**
- **Responsible of the Regional Reference Center for Exotic Animals**

### Work experience

#### Main activities/responsibilities

*January 2010 to present date*

Responsible of the Regional Reference Centre for Exotic Animals - IZSPLVA

Responsible for DNA analysis for species identification and population genetics, welfare of exotic animals assessment, diagnostics for exotic animals

*November 2008 to present date*

Head of Laboratory of Genetics and Immunobiochemistry - Reference Center for Animal Encephalopathy and Neuropathology – IZSPLVA

Responsible for Western blot analysis, rapid test diagnosis, genotyping, proficiency test organization for rapid test on national basis, evaluation of new rapid tests, based on the Regulation (EC) 999/2001 laying down rules for the prevention, control and eradication of transmissible spongiform encephalopathies.

Represents the National Reference Center in national and international meetings on TSE surveillance and diagnostics.

Participation, as trainer, in training courses held between 2000 and 2004 applied to TSE, BSE, Scrapie, on:

- laboratory tests,
- diagnosis and genotyping

*February 2001- October 2008*

Senior Veterinarian Reference Center for Animal Encephalopathy and Neuropathology – IZSPLVA

Responsible for Western blot analysis, rapid test diagnosis, genotyping, proficiency test organization for rapid test on national basis, evaluation of new rapid tests, based on the Regulation (EC) 999/2001.

*May 1999 – January 2001*

Researcher - IZSPLVA

*European project FAIR Joint PL98-7021: "TSE diagnostic method standardization", focused on standardisation of Western blot techniques at European level, evaluation of extraction and revelation protocols, evaluation of different antibodies.*

*May 1998- May 1999*

Researcher - IZSPLVA

*Research activity in wild ungulates serology, by a grant focused on serological analyses for Herpes virus, Classical Swine Fever, Bovine Viral diarrhea virus.*

## Education and training

July 2003  
Specialization in Animal Health, University of Pisa

July 2000  
Specialisation in Inspection of food of animal origin, University of Pisa

July 1995  
Degree in Veterinary Medicine (110/110 cum laude) University of Turin – Faculty of veterinary medicine

## Personal skills and competences

Since 2003 he is been working on genetic resistance to scrapie in sheep and goats. In particular, in 2006 he discovered a mutation responsible for scrapie resistance in goats and since then he coordinated several projects on this topic, publishing scientific articles and acting as expert in working groups at the Ministry of Health and at EFSA. For the Ministry of Health he also collaborated in organizing the national breeding program for scrapie resistance in sheep.

He has expertise in genetic association studies, in molecular biology, in genomics and proteomics, and he coordinated projects, published articles and gave lessons on these topics.

Long time experience in the set up of the quality control system according to ISO/IEC/17025, including validation protocols for screening techniques, preparation of Standard Operating Procedures and organization of proficiency tests.

He coordinates the Regional Reference Centre for Exotic Animals since 2010, and he acquired expertise on welfare assessment, genetic population, diagnosis for exotic animal infectious diseases. He gave lessons, published articles, coordinated projects on these topics.

He has expertise in forensic genetics and food frauds, having setting up DNA analysis methods for species identification and methods to detect some food frauds by mass spectrometry. He won a European project on fraud in seafood.

**Mother tongue(s)** Italian

**Other language(s)** English, fluent  
French, scholar level

**Technical skills and competences** He has expertise in TSEs diagnosis, mainly by immunobiochemistry.  
He carries out internal audits of the laboratories of IZSPLVA for the quality assurance system.  
Experience in research project management.

**Computer skills and competences** Operating System: Windows 98 / 2000 / XP  
Microsoft Applications: Internet Explorer, Word, Excel, Adobe Photoshop and Power Point.

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### Most recent references

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- 2) **Poli G, Corda E, Lucchini B, Puricelli M, Martino PA, Dall'ara P, Villetti G, Bareggi SR, Corona C, Costassa EV, Gazzuola P, Iulini B, Mazza M, Acutis P, Mantegazza P, Casalone C, Imbimbo BP.** Therapeutic effect of CHF5074, a new  $\gamma$ -secretase modulator, in a mouse model of scrapie. *Prion.* 2012 Jan 1;6(1):62-72.
- 3) **Peletto S, Bertolini S, Maniaci MG, Colussi S, Modesto P, Biolatti C, Bertuzzi S, Caramelli M, Maurella C, Acutis PL.** Association of an indel polymorphism in the 3'UTR of the caprine SPRN gene with scrapie positivity in the central nervous system. *J Gen Virol.* 2012 Apr 4. [Epub ahead of print]
- 4) **Peletto S, Lo Presti A, Modesto P, Cella E, Acutis PL, Farchi F, Ciotti M, Zehender G, Ciccozzi M.** Genetic diversity of Usutu virus. *New Microbiol.* 2012 Apr;35(2):167-74. Epub 2012 Mar 31.
- 5) **Mazza M, Guglielmetti C, Pagano M, Sciuto S, Ingravalle F, Martucci F, Caramelli M, Acutis PL.** Lysine at position 222 of the goat prion protein inhibits the binding of monoclonal antibody F99/97.6.1. *J Vet Diagn Invest.* 2012 Sep;24(5):971-5.
- 6) **Borriello G, Peletto S, Lucibelli MG, Acutis PL, Ercolini D, Galiero G.** Link between geographical origin and occurrence of *Brucella abortus* biovars in cattle and water buffalo herds. *Appl Environ Microbiol.* 2012 Nov 26. [Epub ahead of print]
- 7) **Mazzariol S, Peletto S, Mondin A, Centelleghes C, Di Guardo G, Di Francesco CE, Casalone C, Acutis PL.** Dolphin Morbillivirus Infection in a Captive Harbor Seal (*Phoca vitulina*). *J Clin Microbiol.* 2012 Dec 5. [Epub ahead of print]
- 8) **Nogarol C, Acutis PL, Bianchi DM, Maurella C, Peletto S, Gallina S, Adriano D, Zuccon F, Borrello S, Caramelli M, Decastelli L.** Molecular characterization of *Pseudomonas fluorescens* isolates involved in the Italian "blue mozzarella" event. *J Food Prot.* 2013 Mar;76(3):500-4.
- 9) **Ciccozzi M, Peletto S, Cella E, Giovanetti M, Lai A, Gabanelli E, Acutis PL, Modesto P, Rezza G, Platonov AE, Lo Presti A, Zehender G.** Epidemiological history and phylogeography of West Nile virus lineage 2. *Infect Genet Evol.* 2013 Jul;17:46-50.
- 10) **Sartore S., Rasero R., Colussi S., Acutis P.L., Peletto S., Soglia D., Maione S., Spalenza V., Sacchi P.** Effect of selection for scrapie resistance on genetic diversity in a rare and locally adapted sheep breed: The case of Sambucana *Livestock Science*, Available online 12 August 2013
- 11) **Modesto P, Peletto S, Pisoni G, Cremonesi P, Castiglioni B, Colussi S, Caramelli M, Bronzo V, Moroni P, Acutis PL.** Evaluation of internal reference genes for quantitative expression analysis by real-time reverse transcription-PCR in somatic cells from goat milk. *J Dairy Sci.* 2013 Dec;96(12):7932-44. doi: 10.3168/jds.2012-6383. Epub 2013 Oct 11.
- 12) **Colussi S, Prearo M, Bertuzzi SA, Scanzio T, Peletto S, Favaro L, Modesto P, Maniaci MG, Ru G, Desiato R, Acutis PL.** Association of a specific major histocompatibility complex class II $\beta$  single nucleotide polymorphism with resistance to lactococcosis in rainbow trout, *Oncorhynchus mykiss* (Walbaum). *J Fish Dis.* 2015 Jan;38(1):27-35. doi: 10.1111/jfd.12193. Epub 2014 Jan 8.
- 13) **Rosamilia A, Grattarola C, Caruso C, Peletto S, Gobbi E, Tarello V, Caroggio P, Dondo A, Masoero L, Acutis PL.** Detection of border disease virus (BDV) genotype 3 in Italian goat herds. *Vet J.* 2014 Mar;199(3):446-50. doi: 10.1016/j.tvjl.2013.12.006. Epub 2013 Dec 11.
- 14) **Guglielmetti C, Mazza M, Pagano M, Carrella S, Sciuto S, Nodari S, Pezzolato M, Richelmi GB, Baioni E, Caramelli M, Acutis PL, Bozzetta E.** Identification by a proteomic approach of a plasma protein as a possible biomarker of illicit dexamethasone treatment in veal calves. *Food Addit Contam Part A Chem Anal Control Expo Risk Assess.* 2014;31(5):833-8. doi: 10.1080/19440049.2014.900191. Epub 2014 Apr 10.
- 15) **Caruso C, Dondo A, Cerutti F, Masoero L, Rosamilia A, Zoppi S, D'Errico V, Grattarola C, Acutis PL, Peletto S.** Aujeszky's disease in red fox (*Vulpes vulpes*): phylogenetic analysis unravels an unexpected epidemiologic link. *J Wildl Dis.* 2014 Jul;50(3):707-10. doi: 10.7589/2013-11-312. Epub 2014 May 7.
- 16) **Gallone S, Boschi S, Rubino E, De Martino P, Scarpini E, Galimberti D, Fenoglio C, Acutis PL, Maniaci MG, Pinessi L, Rainero I.** Is HCRTR2 a genetic risk factor for Alzheimer's disease? *Dement Geriatr Cogn Disord.* 2014;38(3-4):245-53. doi: 10.1159/000359964. Epub 2014 Jun 25.
- 17) **Luzzago C, Lauzi S, Ebranati E, Giammarioli M, Moreno A, Cannella V, Masoero L, Canelli E, Guercio A, Caruso C, Ciccozzi M, De Mia GM, Acutis PL, Zehender G, Peletto S.** Extended genetic diversity of bovine viral diarrhoea virus and frequency of genotypes and subtypes in cattle in Italy between 1995 and 2013. *Biomed Res Int.* 2014;2014:147145. doi: 10.1155/2014/147145. Epub 2014 Jun 22.
- 18) **Rizzo F, Cerutti F, Ballardini M, Mosca A, Vitale N, Radaelli MC, Desiato R, Prearo M, Pautasso A, Casalone C, Acutis P, Peletto S, Mandola ML.** Molecular characterization of flaviviruses from field-collected mosquitoes in northwestern Italy, 2011-2012. *Parasit Vectors.* 2014 Aug 26;7:395. doi: 10.1186/1756-3305-7-395.

- 19) **Pintore MD, Ceballos L, Iulini B, Tomassone L, Pautasso A, Corbellini D, Rizzo F, Mandola ML, Bardelli M, Peletto S, Acutis PL, Mannelli A, Casalone C.** Detection of Invasive *Borrelia burgdorferi* Strains in North-Eastern Piedmont, Italy. *Zoonoses Public Health*. 2014 Sep 15. doi: 10.1111/zph.12156. [Epub ahead of print]
- 20) **Caruso C, Modesto P, Bertolini S, Peletto S, Acutis PL, Dondo A, Robetto S, Mignone W, Orusa R, Ru G, Masoero L.** Serological and virological survey of hepatitis E virus in wild boar populations in northwestern Italy: detection of HEV subtypes 3e and 3f. *Arch Virol*. 2014 Oct 5. [Epub ahead of print]
- 21) **Alfano F, Peletto S, Lucibelli M, Borriello G, Urciuolo G, Maniaci M, Desiato R, Tarantino M, Barone A, Pasquali P, Acutis P, Galiero G.** Identification of single nucleotide polymorphisms in Toll-like receptor candidate genes associated with tuberculosis infection in water buffalo (*Bubalus bubalis*). *BMC Genet*. 2014 Dec 14;15(1):139. [Epub ahead of print]
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- 28) **Biolatti C., Modesto P., Dezzutto D., Per F., Tarantola M., Gennero M.S., Maurella C., Acutis P.L.** Behavioural analysis of captive tigers (*Panthera tigris*): A water pool makes the difference. *Applied Animal Behaviour Science* 2016, vol. 174, p. 173-180
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