

PERSONAL INFORMATION

Francesca Martucci



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WORK EXPERIENCE

01/11/2016 – to date

Veterinarian manager

Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta –SC Controllo Alimenti

Main activities and responsibilities: Veterinarian manager on food control, food safety, food microbiology

Business or sector Public institution; sector of public health

01/03/2009 – 31/10/2016

Veterinarian manager

Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – National Reference Centre for TSEs (CEA)- SC Neuroscienze

Main activities and responsibilities: Veterinarian manager on TSEs confirmatory analyses; development and validation of methods; research project production; analysis food and feed for and dl-PCBs; cell culture techniques; analysis of food for fraud detection.

Business or sector Public institution; sector of public health

01/03/2006 - 29/02/2009

Veterinarian manager

Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – National Reference Centre for TSEs (CEA)- SC Neuroscienze

Main activities and responsibilities: Veterinarian manager on TSEs confirmatory analyses; development and validation of methods; research project production; analysis food and feed for and dl-PCBs; cell culture techniques.

Business or sector Public institution; sector of public health

01/06/2001 - 28/02/2006

Fellow Veterinary Researcher

Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – National Reference Centre for TSEs (CEA)- SC Neuroscienze

Main activities and responsibilities: TSEs analyses by western blot method; cooperation in the management activities in the laboratory; developing analysis methods; sampling activities on TSEs outbreaks; scientific paper production; cooperation with national and international researchers.

Business or sector Public institution; sector of public health

9/10/2000 - 31/05/2001

Apprenticeship

Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – Laboratorio di Patologia animale

Main activities: Laboratory diagnostic techniques; autopsy techniques

Business or sector Public institution; sector of public health

EDUCATION AND TRAINING

- 01/11/2006 - 11/03/2010 **Specialisation in Science and Medicine of laboratory animals (3 years)**
University of Milano – Faculty of Veterinary medicine
- 01/11/2001 - 11/06/2004 **Specialisation in swine pathology (3 years)**
University of Torino – Faculty of Veterinary medicine
- 01/11/2001 - 11/06/2004 **Specialisation in swine pathology (3 years)**
University of Torino – Faculty of Veterinary medicine
- 23/11/2000 **Qualification to practice the veterinary medical profession**
University of Torino – Faculty of Veterinary medicine
- 01/11/1993 - 24/02/2000 **Bachelor Degree in Veterinary medicine**
University of Torino – Faculty of Veterinary medicine
- 09/1988 – 07/1993 **High school on humanities Diploma**
High school focusing on humanities – Liceo Classico Vincenzo Gioberti, Torino

Training periods abroad

- 26/04/2016 -12/05/2016 **Training on MS, NIR, Raman and FTIR techniques, data mining and chemiometrics for food analysis**
Institute for Global Food Security – Queen's University- Belfast –UK
- 18-29/05/2015 **Training on HPLC and MS techniques on food analysis**
Institute for Global Food Security – Queen's University- Belfast –UK
- 21-25/02/2011 **Training on the detection of dioxins and dl- PCB on food and feed by DR-CALUX cell bioassay**
Biodetection systems Laboratories – Amsterdam (NL)
- 23-27/06/2009 **Training on the detection of dioxins and dl- PCB on food and feed by CALUX cell bioassay**
Riklit Institute – Wageningen (NL)
- 20-27/05/2006 **Cooperation project between Italy and USA on atypical BSE diagnosis**
Veterinary diagnostic Laboratory of the Iowa State University -Ames, Iowa – USA
- 26/03/2006-19/05/2006 **Deepening of the western blot techniques for TSEs diagnosis**
National Prion disease Pathology Surveillance Center - CASE Western Reserve University - Cleveland, Ohio - USA
- 19-25/03/2006 **Training on PMCA technique for TSEs diagnosis**
University of Texas Medical Branch - Galveston, Texas – USA
- 16/09/1999 – 16/12/2009 **Deepening into the histochemical and immunohistochemical techniques for diagnosis and tumours classification. Research work on Visna-Maedi, CAEV and Scrapie diseases.**
Institute of Experimental Pathology – Keldur, Reykjavik – Iceland

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|--|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C1 | C1 | B2 | B2 | B2 |
| Replace with name of language certificate. Enter level if known. | | | | | |
| French | B2 | B2 | B1 | B1 | B1 |
| Replace with name of language certificate. Enter level if known. | | | | | |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

Communication skills Good communication skills gained through my experience in national and international conferences, seminars and job meetings

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|------------------------------------|---|
| Organisational / managerial skills | From 2006 to 2016 manager at the Laboratory of Neuroscience and Genetics and National Reference Centre for TSEs (CEA) of the IZS PLV From 2016 manager at the Food Control Laboratory of the IZS PLV |
| Job-related skills | Excellent organisational skills in the management and organisation of laboratory personnel Good knowledge of the most common laboratory techniques as ELISA, Western blot; PCR, microbiological methods, cell culture; good knowledge of HPLC, MS, spectrophotometric techniques |
| Computer skills | Good knowledge in Microsoft Office™ tools |
| Driving licence | B |

ADDITIONAL INFORMATION

Publications

International peer reviewed articles

- Decastelli L, Martucci F, Torta I, Golfieri G, Adriano D, Bianchi DM: "Detection of Lysozyme in Foods: How to Identify Suitable Test for Official Laboratories". *Ann Food Nutr.* 2019 (In press)
- Sciuto S, Prearo M, Desiato R, Bulfon C, Burioli E, Esposito G, Guglielmetti C, Dell'Atti L, Ru G, Volpatti D, Acutis PL, Martucci F: "Dioxin-like compounds in lake fish species: evaluation by DR- CALUX bioassay". *J Food Prot.* (2018) 81(5):842-847
- Black C, Chevallier O.P., Haughey S.A., Balog J., Stead S., Pringle S.D., Riina M.V., Martucci F, Acutis P.L., Morris M., Nikolopoulos D.S., Takats Z, Elliott C.T.: "A real time metabolomic profiling approach to detecting fish fraud using rapid evaporative ionisation mass spectrometry". *Metabolomics* (2017) 13:153.
- Sciuto S, Esposito G, Dell'Atti L, Guglielmetti C, Acutis PL, Martucci F: "Rapid screening technique to identify Sudan dyes (I-IV) in adulterated tomato sauce, chilli powder and palm oil by innovative high-resolution mass spectrometry". *J Food Prot.* April 2017, Vol. 80, No. 4, pp. 640-644.
- Mazza M, Guglielmetti C, Pagano M, Sciuto S, Ingravalle F, Martucci F, Caramelli M, Acutis P.L.: "Lysine at position 222 of the goat prion protein inhibits the binding of monoclonal antibody F99797.6.1". *J Vet Diagn Invest.* 2012, 24 (5): 971-975.
- Acutis PL, Martucci F, D'angelo A, Peletto S, Colussi S, Maurella C, Porcaro C, Iulini B, Mazza M, Dell'Atti L, Zuccon F, Corona C, Martinelli N, Casalone C, Caramelli M, Lombardi G: "Resistance to classical scrapie in experimentally challenged goats carrying mutation K222 of the prion protein gene". *BMC Vet Res.* 2012, Feb 1;43(1):8.
- Porcaro C, Hall SM, Martucci F, Corona C, Iulini B, Perazzini AZ, Hamir AN, Loiacono CM, Greenlee JJ, Richt JA, Caramelli M, Casalone C: "Evaluation of two sets of immunohistochemical and Western blot confirmatory methods in the detection of typical and atypical BSE cases". *BMC Research Notes.* 2011, 4: 376.
- Mazza M., Iulini B., Vaccari G., Acutis P.L., Martucci F., Esposito E., Peletto S., Barocci S., Chiappini B., Corona C., Barbieri I., Caramelli M., Agrimi U., Casalone C., Nonno R: "Co-existence of classical scrapie and Nor98 in a sheep from an Italian outbreak". *Res Vet Sci.* 2010, 88: 478-485.
- Corona C, Porcaro C, Martucci F, Iulini B, Manea B, Gallo M, Palmitessa C, Maurella C, Mazza M, Pezzolato M, Acutis PL, Casalone C: "Olfactory system involvement in natural scrapie disease". *J Virol.* 2009 Apr, 83(8): 3657-3667.
- Martucci F, Acutis PL, Mazza M, Nodari S, Colussi S, Corona C, Barocci S, Gabrielli A, Caramelli M, Casalone C, Moroncini G: "Detection of typical and atypical BSE and scrapie prion strains by prion protein motif-grafted antibodies". *J Gen Virol.* 2009 Apr, 90: 1048-1053.
- Kong Q, Zheng M, Casalone C, Qing L, Huang S, Chakraborty B, Wang P, Chen F, Cali I, Corona C, Martucci F, Iulini B, Acutis PL, Wang L, Liang J, Wang M, Li X, Monaco S, Zanusso G, Zou W-Q, Caramelli M, Gambetti P: "Evaluation of the human transmission risk of an atypical bovine spongiform encephalopathy prion strain". *J Virol.* 2008 Apr, 82(7): 3697-3701.
- Acutis PL, Martucci F, Mazza M, Nodari S, Maurella C, Ru G, Casalone C, Caramelli M: "Molecular typing of small ruminant TSE cases from Italian outbreaks", *Vet Rec.* 2006, 159,746-747.
- Acutis PL, Martucci F, Mazza M, Peletto S, Iulini B, Corona C, Bozzetta E, Casalone C, Caramelli M: "A case of scrapie in a sheep carrying the lysine-171 allele of the prion protein gene". *Arch Virol.* 2006, 151(9):1875-1880.
- Casalone C, Corona C, Crescio M; Martucci F, Mazza M, Ru G, Bozzetta E, Acutis PL, Caramelli M: "Pathological prion protein in the tongues of sheep infected with naturally occurring scrapie". *JVI.* 2005, 79 (9): 5847-5849.
- Bozzetta E, Acutis PL, Martucci F, Nappi R, Casalone C, Mazza M, Caramelli M: "Evaluation of rapid tests for the diagnosis of transmissible spongiform encephalopathies in sheep and goats". *Acta Neuropathol.* 2004, 107: 559-562.

Many articles on national journals.
More than 80 poster or oral presentation published as proceedings in workshop abstract books.

Turin, 08/10/2019

Signature

