



## Curriculum Vitae

### Personal information

**First name(s)/ Surname(s)** **Marchis Daniela**  
**Address(es)** Via Bologna 148 – 10154 Torino, Italy  
**Telephone(s)** +39 011 2686252 **Mobile:** +39 320-9224864  
**E-mail** daniela.marchis@izsto.it  
**Nationality** Italian  
**Gender** Female

### Work experience

<b>Dates</b>	2006–now
<b>Occupation or position held</b>	Head of Feed Hygiene Laboratory Unit
<b>Main activities and responsibilities</b>	<ul style="list-style-type: none"> <li>• In charge of Feed Hygiene Laboratory</li> <li>• In charge of NRL (National Reference Laboratory) on Animal Proteins, (European Reference Laboratory for animal proteins in feedingstuffs, Wallon Agricultural Research Centre, Chaussée de Namur, 24 B 5030 Gembloux, Belgium),</li> </ul>
<b>Name and address of employer</b>	Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Turin, Italy
<b>Type of business or sector</b>	Veterinary Public Health
<b>Dates</b>	2005 - 2006
<b>Occupation or position held</b>	Scientist of National Reference Centre for Animal Feed Control (C.Re.A.A.)
<b>Main activities and responsibilities</b>	In charge of NRL (National Reference Laboratory) on Feed Additives, Expert in Working Group (WG) on microorganisms (probiotics)
<b>Name and address of employer</b>	Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Turin, Italy
<b>Type of business or sector</b>	Veterinary Public Health
<b>Dates</b>	2003 - 2005
<b>Occupation or position held</b>	Assistant Veterinarian
<b>Main activities and responsibilities</b>	Planning, Control and Marketing Division
<b>Name and address of employer</b>	Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Turin, Italy
<b>Type of business or sector</b>	Veterinary Public Health

Dates	2000 – 2010
Occupation or position held	Member of the Prevention and Protection Service with special responsibility for Microbiological risk
Main activities and responsibilities	Microbiological risk analysis
Name and address of employer	Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Turin Centre, Italy
Type of business or sector	Veterinary Public Health
Dates	2002
	Maternity leave
Dates	2000 - 2001
Occupation or position held	Assistant Veterinarian
Main activities and responsibilities	Food Science and Safety Laboratory
Type of business or sector	Veterinary Public Health
Dates	1999 - 2000
Occupation or position held	Assistant Veterinarian
Main activities and responsibilities	Food Science and Safety Laboratory
Name and address of employer	Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Alessandria Peripheral lab Italy
Type of business or sector	Veterinary Public Health
Dates	1998
	Maternity leave (two)
Dates	1995-1997
Occupation or position held	Grant In Food Safety
Main activities and responsibilities	Identification of Salmonella spp. in food, biomolecular methods
Name and address of employer	Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Turin, Italy
Type of business or sector	Veterinary Public Health
Dates	1992-1995
Occupation or position held	Contract scientist
Main activities and responsibilities	Expert consultant on welfare and experimental procedures on laboratory animal housing.
Name and address of employer	Faculty of Medicine University of Turin, Italy
Type of business or sector	University
Dates	1991 - 1995
Occupation or position held	Grant in immunology
Main activities and responsibilities	Role of cytokines on chronic leukemia - in vivo and in vitro experimental protocols
Name and address of employer	Faculty of Medicine University of Turin, Italy
Type of business or sector	University
Dates	1989-1991
Occupation or position held	Grant in Immunology

Main activities and responsibilities	Interactions of horse interleukin 1 and 6 in inflammatory diseases
Name and address of employer	University of Liverpool, UK, Faculty of Veterinary Medicine Department of Veterinary Science, Leahurst Veterinary Field Station,
Type of business or sector	University
Dates	1988
Occupation or position held	Grant in Immunology
Main activities and responsibilities	Role of cytokines on murine tumor growth
Name and address of employer	Faculty of Medicine University of Turin, Italy
Type of business or sector	University
<b>Education and training</b>	
Dates	1993-1997
Title of qualification awarded	4 years Microbiology and Virology PhD <i>cum laude</i>
Name and type of organisation providing education and training	University of Turin – Faculty of Medicine
Dates	1988
Title of qualification awarded	Admitted to the Register of Veterinarians
Dates	1982-1987
Title of qualification awarded	5 years Degree in Veterinary Medicine
Name and type of organisation providing education and training	Turin University, Faculty of Veterinary Medicine
Title of qualification awarded	<p>since 1988 several courses and seminars in Microbiology, Biotechnology and Immunology</p> <p>1996, Lille, France Institut Pasteur de Lille, France. «Unité la qualité microbiologique des aliments ».</p> <p>since 2005: workshops of EURL Feed Additives</p> <p>since 2006 workshops of EURL Animal Proteins in Feed</p> <p>2009 Training course at EURL AP on the microscopic detection of PAPs in feedingstuffs.</p> <p>2014 part of the working group on the use of insects in feed and food with a view to EXPO 2015</p> <p>2014 Principal investigator of the research project “Use of insects as a sustainable protein source in feed, a feasibility study”, (Italian Ministry of Health grant).</p> <p>2015 Principal investigator of the research project “Safety of former food in feed”, ongoing, (Italian Ministry of Health grant).</p> <p>2016 Principal investigator of the research project “Intensive pig farming role in development of antimicrobial resistance in man” ongoing, (Italian Ministry of Health grant).</p> <p>2016 Co- investigator (together with prof. Aldini, UNIMI) of the research project “LC-MS/MS identification of species-specific muscle peptides in processed animal proteins” ongoing, (Italian Ministry of Health grant).</p> <p>2017 Principal investigator of the research project “ A pilot study: effects of carry over of drugs in feed on antimicrobial resistance”” ongoing, (Italian Ministry of Health grant).</p> <p>2018 Principal investigator of the research project “Tetracyclines in Processed Animal Proteins: a monitoring study on their prevalence occurrence and antimicrobial activity” ongoing, (Italian Ministry of Health grant).</p> <p>2019 Principal investigator of the research project “Chemical and virologic characterization of insects intended for animal feed” ongoing, (Italian Ministry of Health grant).</p>
<b>Personal skills and competences</b>	

Mother tongue(s)	Italian
Other language(s)	Fluent in English
Computer skills and competences	Competent with most Microsoft Office programmes, in particular Word and Excel. Good practice in web.
Driving licence	Car (B type)
Additional information	<p>Over 50 scientific articles, papers, communications and posters in national and international meetings since 1993.</p> <p>Chief Scientist and Coordinator in many research projects financed by the Piedmont Region and Italian Health Ministry</p> <p>lecturer at BTSF Course TRAINING COURSE ON FEED LAW, 6-10 June And 22-26 November 2011, « National Reference Laboratory on feed additives: the analytical approach”</p> <p>Lecturer at BTSF Distance learning course “eXact learning solutions Modules for eLearning training courses under the programme Better Training for Safer Food EU provisions as regards the feed ban, UNIT V.</p> <p>Expert in Working Group Panel Biohazard European Food Safety Authority (EFSA) “Updated quantitative risk assessment (QRA) of the BSE risk posed by processed animal protein (PAP) (2018)</p> <p>Expert Working Group for the Revision of the EURL-AP Standard Operating Procedure Operational protocols for the combination of methods for detection of animal proteins in feed (2020) (V.3.0 to V.4.0)</p>

#### Last five years peer-reviewed publications

1. M. Ottoboni, M. Tretola, F. Cheli, D. Marchis, P. Veys, V. Baeten, L. Pinotti (2017) Light microscopy and differential staining technique for the characterization and discrimination of insect versus marine arthropods processed animal proteins Food Additives and Contaminants: Part A, 2017 <http://dx.doi.org/10.1080/19440049.2016.1278464>
2. M. Ottoboni, M. Tretola, F. Cheli, D. Marchis, L. Pinotti (2017) Nutritional evaluation of former food products (ex-food) intended for pig nutrition Food Additives and Contaminants: Part A, 2017 <http://dx.doi.org/10.1080/19440049.2017.1306884>
3. L. Mandrile, G. Amato, D. Marchis, G. Martra, A. M. Rossi (2017) Species-specific detection of processed animal proteins in feed by Raman spectroscopy Food Chemistry 229 (2017) 268–275
4. P. Veys, V. Planchon, R. Colbert, C. Cruz, G. Frick, I. Ioannou, D. Marchis, E. Nordkvist, I. Paradies-Severin, A. Pohto, A. Wear, R. Weiss, V. Baeten, G. Berben (2017) Collaborative study on the effect of grinding on the detection of bones from processed animal proteins in feed by light microscopy Food Additives & Contaminants: Part A (TFAC) Article ID: TFAC 1312558. DOI 10.1080/19440049.2017.1312558.
5. G. Amato, R. Desiato, G. Giovannini, L. Pinotti, M. Tretola, M. Gili, D. Marchis (2017) Gravimetric quantitative determination of packaging residues in feed from former food Food Additives & Contaminants: Part A, DOI: 10.1080/19440049.2017.1337277
6. U. Natangelo, R. Desiato, S. Gattolo, F. Grifoni, Pi. Barettoni; L. Ceppa, S. Bertolini; E. Baioni, D. Marchis, G. Ru (2017) “The use of antimicrobial drugs in fattening pigs in Italy “ Oral Communication, ARAE, 7th Symposium on Antimicrobial Resistance on Animals and the Environment, 26-28 June, Braunschweig, Germany
7. G.L. Ferro, F. Ostorero, S. Falsetti, M. Bianchi, L. Decastelli, D. Marchis, M. Gili (2017) “Quantitative Determination of Cereulide in Food by LC-MS/MS” Poster 5th MS Food Day, Bologna October 11-13th 2017
8. D. Marchis, A. Altomare, M. Gili, F. Ostorero, A. Khadjavi, C. Corona, G. Ru, B. Cappelletti, S. Gianelli, F. Amadeo, C. Rumio, M. Carini, G. Aldini, C. Casalone (2017) “LC-MS/MS identification of species-specific muscle peptides in processed animal proteins” J. Agric. Food Chem., Just Accepted Manuscript • DOI: 10.1021/acs.jafc.7b04639• Publication Date (Web): 10 Nov 2017 Downloaded from <http://pubs.acs.org> on November 15, 2017
9. E. Migarone, G.L. Ferro, E. Pennazio, F. Ostorero, M. Leporati, M. Pezzolato, D. Marchis, M. Gili (2018) “Thyrostatic residues determination in thyroid, muscle and urine by LC-MS/MS” Poster EAVPT 2018, 14th International Congress of the European Association for Veterinary Pharmacology and Toxicology, Wrocław, Poland, 24-27 June 2018
10. D. Marchis, M. Leporati, A. Altomare, M. Gili, G. Aldini, C. Casalone (2018) “Development of a LC-MS/MS method for the detection of species-specific muscle peptides in PAPs” Poster International Proteomics and Metabolomics Conference, Vincitore del “Best Poster Award”, Novara 25 June 2018
12. A. Ricci, A. Allende, D. Bolton, M. Chemaly, R. Davies, P.S. Fernandez Escamez, R. Girones, L. Herman, K. Koutsoumanis, R. Lindqvist, B. Nørnung, L. Robertson, G. Ru, M. Sanaa, P Skandamis, E. Snary, N. Speybroeck, B. Ter Kuile, J. Threlfall, H. Wa hlström, A.

- Adkin, M. Greiner, D. Marchis, M. Prado, T. Da Silva Felicio, A. Ortiz-Pelaez and M. Simmons (2018) "Updated quantitative risk assessment (QRA) of the BSE risk posed by processed animal protein (PAP)" *EFSA Journal* 2018;16(7):5314
13. L. Pinotti, C. Giromini, M. Ottoboni, M. Tretola and D. Marchis (2019) Review: Insects and former foodstuffs for upgrading food waste biomasses/streams to feed ingredients for farm animals *Animals*, 2019 <https://doi.org/10.1017/S175173111800362295>.
14. S. Morello, G. Amato, M. Leporati, L. Ceppa, M. Gili, D. Marchis (2018) Development of a LC-MS/MS confirmatory method for the detection of tetracyclines in PAPs 10MS-PharmaDay, 25-26 ottobre 2018
15. G.L. Ferro, E. Torres, A. Veronesi, F. Ostorero, M. Leporati, D. Marchis, M. Gili (2018) Simultaneous determination of natural steroid residues in blood serum by LC-MS/MS 10MS-PharmaDay, 25-26 ottobre 2018
16. D. Marchis, L. Mandrile, A. M. Rossi, T. Giovannini, G. Amato, A. Ferrari, M.C. Abete, G. Mattalia, C. Cicero, S. Scasciamacchia, P. Veys (2018) Detection of artificial fibers in fish meal Feed 2018 Conference, Bergen 25-26 ottobre 2018
17. M. Leporati, A. Altomare, G. Degani; S. Morello; M. Gili; T. Giovannini; G. Amato, G. Aldini; C. Casalone; D. Marchis- Validation of a LC-MS/MS method for the detection of peptides from bovine-specific muscle proteins in animal feed Poster Feed 2018 Conference, Bergen 25-26 ottobre 2018
18. Pinotti, C. Giromini, M. Ottoboni, M. Tretola and D. Marchis (2019) Review: Insects and former foodstuffs for upgrading food waste biomasses/streams to feed ingredients for farm animals *Animals*, 2019 <https://doi.org/10.1017/S175173111800362295>.
19. Ciccotelli V., Savio V., Amato G., Giovannini T., Marchis D., Vivaldi B., Ercolini C. (2020) "Determination and quantification of pesticides in *Hermetia illucens* insect biomass to produce feed and food in a pilot breeding farm" Poster 13° European Pesticide Workshop,
20. Marchis D., Amato G., Giovannini T., Khadjavi A., Morello S., Gili M., Pinotti L., Igor Ujčić Vrhovnik I. (2020) Gravimetric quantitative validation of botanic impurities in feed *J Sci Food Agric* 2020 DOI 10.1002/jsfa.10713
21. Lecrenier M-C., Marien A., Veys P., Belghit I., Dieu M., Gillard N., Henrottin J., Herfurth U.M., Marchis D., Morello S., Oveland E., Poetz O., Rasinger J. D., Steinhilber A., Baeten V., Berben G., Fumièr O. (2021) Inter-laboratory study on the detection of bovine processed animal protein in feed by LC-MS/MS-based, *Food Control*, <https://doi.org/10.1016/j.foodcont.2021.107944>.
22. Pinotti L., Ottoboni M., Manoni M., Ferrari L., Marchis D., Tretola M. (2021) Review: Recycling food leftovers in feed as opportunity to increase the sustainability of livestock production. *Journal of Cleaner Production* JCLEPRO-D-20-12038R3
23. Morello S., Pederiva S., Avolio R., Amato G., Zoppi S., Di Blasio A., Abete M.C., Casalone C., Desiato D., Ru G., Marchis D. (2021) Tetracyclines in Processed Animal Proteins: A Monitoring Study on Their Occurrence and Antimicrobial Activity *Foods* 2021, 10, 696. <https://doi.org/10.3390/foods10040696>
24. Avolio R., Pederiva S., Morello S., Crescio M.I., Ru G., Grifoni F., Abete M.C. and Marchis D. (2021) Official controls on carry-over of antibiotics in feed: A useful tool to contain the development of antibiotic resistance *Anim Husb Dairy Vet Sci*, 2021 doi: 10.15761/AHDVS.1000185Turin, 18/08/2020

02/07/2021