

Curriculum vitae

Paolo Moroni

Associate Professor, Department of Veterinary Medicine, Faculty of Veterinary Medicine,
University degli Studi di Milano, Italy

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Education

DVM, University of Milano

1993

PhD, University of Sassari

1998

Evaluation of dynamics of some immunitary parameters in Sardinia sheep in relation to udder sanitary state

Specialty Certification

Diplomate at European College of Bovine Health Management

2007-current

Professional Experience

1993 – 1994

Veterinary practitioner

1995 – 1995

Fellowship at Istituto Zooprofilattico Sperimentale delle Venezie, Verona, Italy (dr. Gaddo Vicenzoni)

1995 – 1996

Fellowship at Bundesanstalt für Milchforschung, Kiel, Germany (prof. Hamann)

1996

Fellowship at Zentrumsabteilung für Hygiene und Technologie der Milch, Tierärztliche Hochschule, Hannover, Germany (prof. Hamann)

1998-2001

Researcher, Institute of Infectious Diseases, Prophylaxy and Veterinary Legislation, Faculty of Veterinary Medicine, Università degli Studi of Milano, Italy

2001-2011

Senior Researcher, Institute of Infectious Diseases, Prophylaxy and Veterinary Legislation, Faculty of Veterinary Medicine, Università degli Studi of Milano, Italy),

2011-current

Associate Professor, Institute of Infectious Diseases, Prophylaxy and Veterinary Legislation, Faculty of Veterinary Medicine, Università degli Studi of Milano, Italy)

List of Peer Review from 2014 to 2019 (update to 7th May 2019)

Tedde V, Bronzo V, Puggioni GMG, Pollera C, Casula A, Curone G, **Moroni P**, Uzzau S, Addis MF. Milk cathelicidin and somatic cell counts in dairy goats along the course of lactation. *J Dairy Res.* 2019 Jun 3:1-5. doi: 10.1017/S0022029919000335. [Epub ahead of print] PubMed PMID: 31156071.

Locatelli C, Barberio A, Bonamico S, Casula A, **Moroni P**, Bronzo V. Identification of Multidrug-Resistant *Escherichia coli* from Bovine Clinical Mastitis Using a Ceftiofur-Supplemented Medium. *Foodborne Pathog Dis.* 2019 May 17. doi: 10.1089/fpd.2018.2598. [Epub ahead of print] PubMed PMID: 31099599.

Tomazi T, Ferreira GC, Orsi AM, Gonçalves JL, Ospina PA, Nydam DV, **Moroni P**, Dos Santos MV. Association of herd-level risk factors and incidence rate of clinical mastitis in 20 Brazilian dairy herds. *Prev Vet Med.* 2018 Dec 1;161:9-18. doi: 10.1016/j.prevetmed.2018.10.007. Epub 2018 Oct 12. PubMed PMID: 30466663.

Cremonesi P, Ceccarani C, Curone G, Severgnini M, Pollera C, Bronzo V, Riva F, Addis MF, Filipe J, Amadori M, Trevisi E, Vigo D, **Moroni P**, Castiglioni B. Milk microbiome diversity and bacterial group prevalence in a comparison between healthy Holstein Friesian and Rendena cows. *PLoS One.* 2018 Oct 24;13(10):e0205054. doi: 10.1371/journal.pone.0205054. eCollection 2018. PubMed PMID: 30356246; PubMed Central PMCID: PMC6200206.

Filipe J, Curone G, Bronzo V, Pisoni G, Cremonesi P, Pollera C, Turin L, Vigo D, Roccabianca P, Caniatti M, **Moroni P**, Riva F. Pentraxin 3 is up-regulated in epithelial mammary cells during *Staphylococcus aureus* intra-mammary infection in goat. *Comp Immunol Microbiol Infect Dis.* 2018 Aug;59:8-16. doi: 10.1016/j.cimid.2018.08.007. Epub 2018 Sep 11. PubMed PMID: 30290890.

Eraclio G, Ricci G, **Moroni P**, Santisteban C, Plumed-Ferrer C, Bennett J, Fortina MG. Sand bedding as a reservoir for *Lactococcus garvieae* dissemination in dairy farms. *Can J Microbiol.* 2019 Jan;65(1):84-89. doi: 10.1139/cjm-2018-0251. Epub 2018 Sep 18. PubMed PMID: 30226999.
Monistero V, Graber HU, Pollera C, Cremonesi P, Castiglioni B, Bottini E, Ceballos-Marquez A, Lasso-Rojas L, Kroemker V, Wente N, Petzer IM, Santisteban C,

Runyan J, Veiga Dos Santos M, Alves BG, Piccinini R, Bronzo V, Abbassi MS, Said MB, **Moroni P**. Staphylococcus aureus Isolates from Bovine Mastitis in Eight Countries: Genotypes, Detection of Genes Encoding Different Toxins and Other Virulence Genes. *Toxins (Basel)*. 2018 Jun 17;10(6). pii: E247. doi: 10.3390/toxins10060247. PubMed PMID: 29914197.

Ledet MM, Vasquez AK, Rauner G, Bichoupan AA, **Moroni P**, Nydam DV, Van de Walle GR. The secretome from bovine mammosphere-derived cells (MDC) promotes angiogenesis, epithelial cell migration, and contains factors associated with defense and immunity. *Sci Rep*. 2018 Mar 29;8(1):5378. doi: 10.1038/s41598-018-23770-z. PubMed PMID: 29599438; PubMed Central PMCID: PMC5876384.

Bertocchi L, Fusi F, Angelucci A, Bolzoni L, Pongolini S, Strano RM, Ginestreti J, Riuzzi G, **Moroni P**, Lorenzi V. Characterization of hazards, welfare promoters and animal-based measures for the welfare assessment of dairy cows: Elicitation of expert opinion. *Prev Vet Med*. 2018 Feb 1;150:8-18. doi: 10.1016/j.prevetmed.2017.11.023. Epub 2017 Dec 1. PubMed PMID: 29406088.

Curone G, Filipe J, Cremonesi P, Trevisi E, Amadori M, Pollera C, Castiglioni B, Turin L, Tedde V, Vigo D, **Moroni P**, Minuti A, Bronzo V, Addis MF, Riva F. What we have lost: Mastitis resistance in Holstein Friesians and in a local cattle breed. *Res Vet Sci*. 2018 Feb;116:88-98. doi: 10.1016/j.rvsc.2017.11.020. Epub 2017 Nov 29. PubMed PMID: 29223308.

Eraclio G, Ricci G, Quattrini M, **Moroni P**, Fortina MG. Detection of virulence-related genes in *Lactococcus garvieae* and their expression in response to different conditions. *Folia Microbiol (Praha)*. 2018 May;63(3):291-298. doi: 10.1007/s12223-017-0566-z. Epub 2017 Nov 13. PubMed PMID: 29134547.

Testa F, Marano G, Ambrogi F, Boracchi P, Casula A, Biganzoli E, **Moroni P**. Study of the association of atmospheric temperature and relative humidity with bulk tank milk somatic cell count in dairy herds using Generalized additive mixed models. *Res Vet Sci*. 2017 Oct;114:511-517. doi: 10.1016/j.rvsc.2017.09.027. Epub 2017 Sep 28. PubMed PMID: 28987958.

Addis MF, Bronzo V, Puggioni GM, Cacciotto C, Tedde V, Pagnozzi D, Locatelli C, Casula A, Curone G, Uzzau S, **Moroni P**. Relationship between milk cathelicidin abundance and microbiologic culture in clinical mastitis. *J Dairy Sci*. 2017 Apr;100(4):2944-2953. doi: 10.3168/jds.2016-12110. Epub 2017 Jan 26. PubMed PMID: 28131570.

Locatelli C, Cremonesi P, Caprioli A, Carfora V, Ianzano A, Barberio A, Morandi S, Casula A, Castiglioni B, Bronzo V, **Moroni P**. Occurrence of methicillin-resistant *Staphylococcus aureus* in dairy cattle herds, related swine farms, and humans in contact with herds. *J Dairy Sci*. 2017 Jan;100(1):608-619.

doi: 10.3168/jds.2016-11797. Epub 2016 Nov 17. PubMed PMID: 27865508.

Addis MF, Tedde V, Puggioni GM, Pisanu S, Casula A, Locatelli C, Rota N, Bronzo V, **Moroni P**, Uzzau S. Evaluation of milk cathelicidin for detection of bovine mastitis. *J Dairy Sci.* 2016 Aug 10. pii: S0022-0302(16)30546-X. doi: 10.3168/jds.2016-11407. [Epub ahead of print] PubMed PMID: 27522416.

Ospina PA, Rota N, Locatelli C, Colombo L, Pollera C, Giacinti G, Bronzo V, Casula A, Arpinelli A, Brossette V, Facchi M, Patelli A, Ruggeri A, Barberio A, Potenza G, Nydam DV, **Moroni P**. Randomized noninferiority field trial comparing 2 first-generation cephalosporin products at dry off in quarters receiving an internal teat sealant in dairy cows. *J Dairy Sci.* 2016 Aug;99(8):6519-31. doi: 10.3168/jds.2015-10807. Epub 2016 Jun 2. PubMed PMID: 27265178.

Addis MF, Tanca A, Uzzau S, Oikonomou G, Bicalho RC, **Moroni P**. The bovine milk microbiota: insights and perspectives from -omics studies. *Mol Biosyst.* 2016 Jul 19;12(8):2359-72. doi: 10.1039/c6mb00217j. Review. PubMed PMID: 27216801.

Barberio A, Flaminio B, De Vlieghe S, Supré K, Kromker V, Garbarino C, Arrigoni N, Zanardi G, Bertocchi L, Gobbo F, Catania S, **Moroni P**. Short communication: In vitro antimicrobial susceptibility of *Mycoplasma bovis* isolates identified in milk from dairy cattle in Belgium, Germany, and Italy. *J Dairy Sci.* 2016 Aug;99(8):6578-84. doi: 10.3168/jds.2015-10572. Epub 2016 May 18. PubMed PMID: 27209138.

Gioia G, Werner B, Nydam DV, **Moroni P**. Validation of a mycoplasma molecular diagnostic test and distribution of mycoplasma species in bovine milk among New York State dairy farms. *J Dairy Sci.* 2016 Jun;99(6):4668-77. doi: 10.3168/jds.2015-10724. Epub 2016 Mar 24. PubMed PMID: 27016831.

Bardiau M, Caplin J, Dettelleux J, Graber H, **Moroni P**, Taminiau B, Mainil JG. Existence of two groups of *Staphylococcus aureus* strains isolated from bovine mastitis based on biofilm formation, intracellular survival, capsular profile and agr-typing. *Vet Microbiol.* 2016 Mar 15;185:1-6. doi: 10.1016/j.vetmic.2016.01.003. Epub 2016 Jan 3. PubMed PMID: 26931384.

Locatelli C, Cremonesi P, Bertocchi L, Zanoni MG, Barberio A, Drigo I, Varisco G, Castiglioni B, Bronzo V, **Moroni P**. 2016. Short communication: Methicillin-resistant *Staphylococcus aureus* in bulk tank milk of dairy cows and effect of swine population density. *J Dairy Sci.* 99 (3):2151-2156.

G. Curone, M. Zanini, S. Panseri, C. Colombani, **P. Moroni**, F. Riva, M. Faustini. 2016. Milk Ketone Bodies Assessment in A Local Italian Cow Breed (Modenese) vs. Holstein and Characterization of its Physiological, Reproductive and Productive Performances. In: *International Journal of Environmental & Agriculture Research.* 2:3pp. 4.15-4.22.

Scaccabarozzi L, Leoni L, Ballarini A, Barberio A, Locatelli C, Casula A, Bronzo V, Pisoni G, Jousson O, Morandi S, Rapetti L, García-Fernández A, **Moroni P.** *Pseudomonas aeruginosa* in Dairy Goats: Genotypic and Phenotypic Comparison of Intramammary and Environmental Isolates. *PLoS One*. 2015 Nov 25;10(11):e0142973

Plumed-Ferrer C, Barberio A, Franklin-Guild R, Werner B, McDonough P, Bennett J, Gloria G, Rota N, Welcome F, Nydam DV, **Moroni P.** Antimicrobial susceptibilities and random amplified polymorphic DNA-PCR fingerprint characterization of *Lactococcus lactis* ssp. *lactis* and *Lactococcus garvieae* isolated from bovine intramammary infections. *J Dairy Sci*. 2015 Sep;98(11):6216-6225.

Moroni P. *Staphylococcus aureus*: epidemiology, treatment, prevention and then.....? *Investigacion en Mastitis y Salud Mamaria*. 2014. Vol. 1 pag. 61-64.

Werner B, Moroni P, Gioia G, Lavín-Alconero L, Yousaf A, Charter ME, Carter BM, Bennett J, Nydam DV, Welcome F, Schukken YH. Short communication: Genotypic and phenotypic identification of environmental streptococci and association of *Lactococcus lactis* ssp. *lactis* with intramammary infections among different dairy farms. *J Dairy Sci*. 2014 Nov;97(11):6964-9. doi: 10.3168/jds.2014-8314. Epub 2014 Sep 18. PubMed PMID: 25242419.

Capra E, Cremonesi P, Cortimiglia C, Bignoli G, Ricchi M, Moroni P, Pesce A, Luini M, Castiglioni B. Simultaneous identification by multiplex PCR of major *Prototheca* spp. isolated from bovine and buffalo intramammary infection and bulk tank. *Lett Appl Microbiol*. 2014 Dec;59(6):642-7. doi: 10.1111/lam.12326. Epub 2014 Oct 20. PubMed PMID: 25196253.

Zanardi G, Caminiti A, Delle Donne G, Moroni P, Santi A, Galletti G, Tamba M, Bolzoni G, Bertocchi L. Short communication: Comparing real-time PCR and bacteriological cultures for *Streptococcus agalactiae* and *Staphylococcus aureus* in bulk-tank milk samples. *J Dairy Sci*. 2014 Jul 2. pii: S0022-0302(14)00470-6. doi: 10.3168/jds.2014-7947. [Epub ahead of print] PubMed PMID: 24997661.

Schukken YH, Bronzo V, Locatelli C, Pollera C, Rota N, Casula A, Testa F, Scaccabarozzi L, March R, Zalduendo D, Guix R, Moroni P. Efficacy of vaccination on *Staphylococcus aureus* and coagulase-negative staphylococci intramammary infection dynamics in 2 dairy herds. *J Dairy Sci*. 2014 May 29. pii: S0022-0302(14)00390-7. doi: 10.3168/jds.2014-8008. [Epub ahead of print] PubMed PMID: 24881797.

Brenaut P, Lefèvre L, Rau A, Laloë D, Pisoni G, Moroni P, Bevilacqua C, Martin P. Contribution of mammary epithelial cells to the immune response during early stages of a bacterial infection to *Staphylococcus aureus*. *Vet Res*. 2014 Feb 12;45:16. doi: 10.1186/1297-9716-45-16. PubMed PMID: 24521038; PubMed Central PMCID: PMC3937043.

List of Book Chapter

Moroni P., Welcome F., Addis F. Aetiology, diagnosis and control of mastitis in dairy herds. In Achieving sustainable production of milk. 3 Dairy herd management and welfare. Chapter 17. Burleigh Dodds Science Publishing Limited. 2017

Moroni P., Welcome F., Addis F. Mastitis milk quality and yield. In Achieving sustainable production of milk. 2 Safety, quality and sustainability. Chapter 3. Burleigh Dodds Science Publishing Limited. 2017

Cremonesi, P., Benedetti V., Pisoni, G., **Moroni, P.** Luini, M., Castiglioni B. Staphylococcus aureus: Application of a rapid test for molecular typing of strains isolated from bovine mastitis Veterinary Science: Current Aspects in Biology, Animal Pathology, Clinic and Food Hygiene 1 March 2014, Pages 41-45

Moroni P., Pisoni G., Cremonesi P., and Castiglioni B. Molecular detection of foodborne pathogens. Chapter 18 Staphylococcus pag 245-255. 2009. Dongou L.Taylor & Francis Group.

Moroni P., Pisoni G., Cremonesi P., and Castiglioni B. Molecular detection of human bacterial pathogens. Chapter 28 Staphylococcus pag 307-317. 2011. Dongou L.Taylor & Francis Group.

List of Workshop and Invited Presentation from 2014 to 2018

Workshop "Danish Udder Health Center" January 18th 2018, Kobenhavn. Presentation with Government of Agriculture.

Workshop "Staphylococcus aureus: and E.coli mastitis prevention epidemiology and treatment.May 16th to 18th Japan. Presentation with veterinarians.

Patógenos emergentes em mastite ambiental – as últimas informações em Klebsiella, Prototheca e Lactococci 15th Simposio Internacional sobre Producao Competitiva de Leite 4-th5th August 2015 Uberlandia, MG, Brazil

Short course "Emerging mastitis pathogens: Klebsiella, Prototheca, Mycoplasma and Other Streptococci. National Mastitis Council Regional Meeting pp.10-16. July 28-29, 2015, Syracuse, New York.

Workshop " Management of Mastitis" April 14-18, 2015, Johannesburg South Africa . Three days presentation with farmer and farm managers.

Workshop " Staphylococcus aureus: epidemiology, treatment, prevention and then....? March 31, Torreon, Mexico. Presentation with farmer and farm managers.

Workshop " Management of Mastitis" June 17-18 and 19-20, 2014, Lisboa and Porto, Portugal. Two days presentation with farmer and farm managers for each city.

Workshop " Accademia of Mastitis" June 4-5, 2014, Deveenter, Netherland. Two days presentation with practitioners.

Workshop " Accademia of Mastitis" May 19-21, 2014, Montevideo, Uruguay. Two days with PostDot and one day presentation with practitioners.

Workshop " Accademia of Mastitis" March 17-18, 2014, Istanbul, Turkey. Two days presentation with farmer and farm managers.

Workshop " Accademia of Mastitis" April 10-11, 2014, Brescia, Italy. Two days presentation with practitioners.

Workshop " Management of Mastitis" April 7-8, 2014, Istanbul, Turkey. Two days presentation with farmer and farm managers.

Workshop " Wimm-Bill-Dann-Cornell Dairy Courses" March 31 and April 1-2, 2014, Ithaca, USA. Three days presentation and farm visit with Russian veterinary.

Workshop " Accademia of Mastitis" February 24-26, 2014, Barcellona and Vigo, Spain. Three days presentation with practitioners.

"Nuovi approcci per il controllo della qualità igienico sanitaria del latte" January 30-31, 2014, Rome, Italy. Two days presentation with practitioners.

Milano 07.07.2019

A handwritten signature in black ink, appearing to be 'P. Moroni', written on a light-colored background.

Paolo Moroni