

## CURRICULUM VITAE

**Name** Maria Luisa Marenzoni

### **Present position and address**

- Institution: University of Perugia, Department of Veterinary Medicine
- Title: Research Assistant
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### **Academic appointments**

March 2022- MSc in Management of Health and Social-Health Services, University of Parma, Italy.

August 2021- Diploma De Facto al College Europeo di Microbiologia Veterinaria (ECVM, <https://ecvmicro.org/about/>)

February 2011: MSc in “Epidemiology and Biostatistics”, Faculty of Medicine and Surgery, Catholic University of Rome, Italy.

November 2006 – present: Research Assistant for Animal Infectious Diseases, Department of Veterinary Medicine, Italy.

July 2008: Diploma of Specialty in Hygiene of Food of Animal Origin, University of Perugia, Italy.

November 2003 – November 2005: Post-graduate Academic Fellow: “Bovine Registry: sanitary control of animals”.

November 2000 -January 2004: Research Doctorate Program in “Equine Science”, at the Faculty of Veterinary Medicine, University of Perugia, Italy and at the Institute of Plant Genetics, Research Division of Perugia, (CNR); received PhD in Equine Science, discussing the doctoral thesis “*Rhodococcus equi*: disease and serological survey in the horse”.

July 2000: Degree in Veterinary Medicine with first class honours with the thesis “Anatomic, histopathological and ultrastructural observations in pigs with Postweaning Multisystemic Wasting Syndrome (PMWS)”, University of Perugia, Italy.

## **Professional experience**

### *Didactic activity*

- Contract teaching for the project “Animal registry consortium” (AA. 2004), Teramo.
- Lecturer for the following degree courses at the University of Perugia (Veterinary Faculty):
  - “Veterinary Epidemiology” (AA. 2007/2008, 2008/2009, 2009/2010, 2011/2012, 2015/2016, 2016/2017, 2017/2018, 2018/2019, 2019/2020, 2020/2021, 2021/2022, 2022/2023);
  - “Tropical Infectious Diseases” (AA. 2010/2011);
  - "Infectious Diseases, Prophylaxis and Health Police I" for the specialist degree in Veterinary Medicine (AY. 2011/2012, 2013/2014, 2014/2015, 2015/2016, 2016/2017).
  - "Infectious diseases of small animals" for the specialist degree in Veterinary Medicine (AY. 2017/2018, 2018/2019, 2019/2020, 2020/2021, 2021/2022, 2022/2023).
  - "Hygiene and prophylaxis of farms" for the three-year degree in Animal Production (AA. 2020/2021).
- Lecturer for Animal Infectious Diseases at the Post-graduate Diploma of the course “Animal Health, Animal Breeding and Production” (AA. 2008/2009, 2009/2010, 2012/2013) and “Hygiene of Food of Animal Origin” (AA. 2010/2011, 2012/2013).
- coordinator of the module “Milk and dairy products: Animal Infectious disease and bacterial zoonoses” for the International Master “Feed and Food Safety for Human Health” (AY. 2017/2018).

### *Academic appointments*

2010-2014: member of the board of the Doctorate “Physiopathology and medicine of domestic animals” and,

2014 to present: member of the board of the Doctorate “Healthy and Experimental Veterinary Science”, University of Perugia.

2014-present: member of the board of the Guidance and Tutoring Committee of the Department of Veterinary Medicine, University of Perugia.

from 2007 to 2014 (December) - Head of the Virology Laboratory of the Faculty of Veterinary Medicine of Perugia.

from January 2017-November 2019: head of the “IV Unit”, the complex of the diagnostic laboratories of the Veterinary Teaching Hospital of the Department of Veterinary Medicine of Perugia.

from December 2017-November 2019: coordinator of the commission for form development and of the procedures of the Veterinary Teaching Hospital of the Department of Veterinary Medicine of Perugia.

From March 2022-present: member of the EAEVE (European Association of Establishment for Veterinary Education) commission of the Veterinary Medicine Department of Perugia.

From March 2022-present: member of the steering committee of the interdepartmental degree course in Animal Production and Zootechnical Sciences.

## **Training**

-completed a training program in the epidemiology, diagnosis, prevention, and control of equine infectious diseases at the Department of Veterinary Science, Maxwell H. Gluck Equine Research Center, Lexington, KY (August 2011).

- completed a training course on "Strategic Application of Diagnostic Tests" and "Meta-analisi 2012 MED" (May 2012).

- completed a training course on “Applied bioinformatics for molecular evolution and phylogenesis of infectious agents”, at Sacco Hospital, Milan (June 2013).

-completed a training course on “Introductory course of Bioinformatics”, at Polo d'Innovazione di Genomica, Genetica e Biologia, Perugia (October 2014).

- completed a training course on “Correct approach to animal experimentation, general module and swine, equine and ruminant module”, Service Center for Preclinical Research, Perugia (15/16 June-3/4 July 2017).

- completed a training course “Grant Writing: How to write a competitive application to a funding agency” held by Prof. Roger Coulombe, Utah State University, at the Istituto Zooprofilattico Umbria e Marche, Perugia (11/15 September 2017).

2017-2022- completed many training courses of GIMBE, Evidence for Health (Bologna): “Strategies to modify professional behaviours”; “Soft skills in sanità”; “Project management in sanità”; “Time management in sanità”; “La vaccinazione antinfluenzale in Italia”; “La ricerca qualitativa in sanità”; “COVID-19: conoscere e contrastare la pandemia del secolo”.

## **Activity and services**

She regularly performs diagnostic activity on animal infectious diseases at the Department of Veterinary Medicine, [University of Perugia](http://www.unipg.it).

## Technical skills

Bacteriological isolation and typing (including culture of Mycoplasmas and *Mycobacterium* spp.);  
Viral isolation;  
Molecular biology (acid nucleic extraction from different specimens, PCR, RT-PCR, sequencing);  
Serological test (ELISA, seroneutralization);  
Use of a wide variety of statistical and epidemiological software programs (OpenEpi, EpiInfo, SPSS, Episheet, RevMan, Statsdirect, Comprehensive Meta-analysis Software, R);  
Meta-analysis.

**Reviewer** for PRIN 2010/2011, PRIN 2015, VQR 2011-2014, european projects and international journals (BMC Veterinary Research, Journal of Equine Veterinary Science, Equine Veterinary Journal, Large Animal Review, Veterinaria Italiana, Journal of Veterinary Medicine and Research, Journal of Visualized Experiments, FEMS Microbiology Letters, Journal of Virological Methods, Journal of Veterinary Medical Science, African Journal of Bacteriology Research, Transboundary and Emerging Diseases Veterinary Medicine and Science, Sokoto Journal of Veterinary Sciences, Viruses, Animals, Frontiers in Veterinary Science, PCI Peer community in Zoology, Epidemiologia, Veterinaria -SCIVAC Cremona, Qeios, Proteomes, Acta Tropica, Virology).

**Main topics of research:** molecular biology and virology applied in the veterinary diagnostic and epidemiology of infectious diseases.

## Scientific Organizations

Member of the Associazione Nazionale Infettivologi Veterinari (ANIV)  
Member of the Italian Companion Animal Veterinary Association (SCIVAC)  
Member of the Italian Veterinary Society for Domesticated Animals (SIVAR)  
Member of the Society for Veterinary Epidemiology and Preventive Medicine (SVEPM)  
Member of the Associazione Donne Medico Veterinario (ADMV)  
Member of the Società Italiana di Patologia e Allevamento dei Suini (SIPAS)  
Member of the Study group on veterinary didactic methodology (GSMDV) ANMVI  
Member of the steering group of Associazione Donne Medico Veterinario (ADMV)  
Member of the Associazione Agronomi e Forestali senza frontiere (ASF)

## Public Service

The Department of Veterinary Medicine of Perugia is a public institution. Collaborations with veterinarians of the national public services (Animal Health and Istituti Zooprofilattici) are regularly performed, both for didactic activities (seminars and didactic visits on farms and kennels) and research.

## Language

- Italian: native speaker.
- English: B1 level for speaking; good for writing.



## MOST RELEVANT PUBLICATIONS

Marini D, Di Nicola MR, Crocchianti V, Notomista T, Iversen D, Coppari L, Di Criscio M, Brouard V, Dorne JCM, Rüegg J, **Marenzoni ML**. Pilot survey reveals ophidiomycosis in dice snakes *Natrix tessellata* from Lake Garda, Italy. *Vet Res Commun*. 2023 Apr 29, doi: 10.1007/s11259-023-10129-7.

**Marenzoni ML**, De Waure C, Timoney PJ. Efficacy of vaccination against equine herpesvirus type 1 (EHV-1) infection: Systematic review and meta-analysis of randomised controlled challenge trials. *Equine Vet J*. 2023 May; 55(3):389-404.

B, Beccaglia M, Pisu MC, Tarducci V, Franciosini MP, **Marenzoni ML**. Are Italian-Polish veterinarians and breeders prepared to control an outbreak of *Brucella canis* infection in dogs? *Pol J Vet Sci*. 2022 Sep;25(3):411-418.

**Marenzoni, M.L.**, Conti, M.B., Rossi, E., Rinoldo, R., Franceschini, R., Tesei, E., Porciello, F., Mancini, S., Favi, B., Gamboni, M., Boni, P., Raffaele, O., Desario, C., Franciosini, M.P., Buonavoglia, C., Decaro, N., Detection of environmental contamination with feline and canine parvoviruses: new perspectives and challenges. *J Applied Microbiol*, in press

Danzetta, M.L., **Marenzoni, M.L.**, Iannetti, S., Tizzani, P., Calistri, P., Feliziani, F., 2020. African Swine Fever: Lessons to Learn From Past Eradication Experiences. A Systematic Review. *Frontiers in Vet Sci* 7.

**Marenzoni M.L.**, Momesso M., Marchesi M.C., Manuali E., Pavone S., Sgariglia E., Tordo E., Vescera F., De Nicola G., Stefanetti V., Brachelente C. 2020. When the diagnosis of parvovirus in dogs and cats becomes challenging. *Vet Ital*. 5, 67-76.

**Marenzoni, M.L.**, Calo, P., Foiani, G., Tossici, S., Passantino, G., Decaro, N., Mandara, M.T., 2019. Porencephaly and Periventricular Encephalitis in a 4-month-old Puppy: Detection of Canine Parvovirus Type 2 and Potential Role in Brain Lesions. *J Comp Pathol* 169, 20-24.

**Marenzoni, M.L.**, Antognoni, M.T., Baldelli, F., Miglio, A., Stefanetti, V., Desario, C., Di Summa, A., Buonavoglia, C., Decaro, N., 2018a. Detection of parvovirus and herpesvirus DNA in the blood of feline and canine blood donors. *Vet Microbiol* 224, 66-69.

**Marenzoni, M.L.**, Lauzi, S., Miglio, A., Coletti, M., Arbia, A., Paltrinieri, S., Antognoni, M.T., 2018b. Comparison of three blood transfusion guidelines applied to 31 feline donors to minimise the risk of transfusion-transmissible infections. *Journal of Feline Medicine and Surgery* 20, 663-673.

**Marenzoni, M.L.**, Santoni, L., Felici, A., Maresca, C., Stefanetti, V., Storna, M., Franciosini, M.P., Proietti, P.C., Origgi, F.C., 2018c. Clinical, virological and epidemiological characterization of an outbreak of Testudinid Herpesvirus 3 in a chelonian captive breeding facility: Lessons learned and first evidence of TeHV3 vertical transmission. *Plos One* 13.

Rampacci, E., **Marenzoni, M.L.**, Chiaradia, E., Passamonti, F., Ricci, M., Pepe, M., Coletti, M., Giovagnoli, S., 2018. In vitro performances of novel co-spray-dried azithromycin/rifampicin microparticles for *Rhodococcus equi* disease treatment. *Scientific Reports* 8.

**Marenzoni, M.L.**, Morganti, G., Moretta, I., Crotti, S., Agnetti, F., Moretti, A., Pitzurra, L., Casagrande Proietti, P., Sechi, P., Cenci-Goga, B., Franciosini, M.P., 2016. Microbiological and parasitological survey of zoonotic agents in apparently healthy feral pigeons. *Polish Journal of Veterinary Sciences* 19, 309-315.

**Marenzoni, M.L.**, Sforna, M., Stefanetti, V., Casagrande Proietti, P., Brignone, L., Del Sero, A., Falcioni, F., Orvieto, S., Tamantini, C., Tiburzi, A., Valentini, S., Coletti, M., Timoney, P.J., Passamonti, F., 2014. Detection of Equid herpesvirus type 2 and 5 DNA in uterine flushings of mares with reproductive disorders. *Vet Microbiol* 174, 570-576.

**Marenzoni, M.L.**, Bietta, A., Lepri, E., Casagrande Proietti, P., Cordioli, P., Canelli, E., Stefanetti, V., Coletti, M., Timoney, P.J., Passamonti, F., 2013a. Role of equine herpesviruses as co-infecting agents in cases of abortion, placental disease and neonatal foal mortality. *Vet Res Communic* 37, 311-317.

**Marenzoni, M.L.**, Stefanetti, V., Papa, P., Casagrande Proietti, P., Bietta, A., Coletti, M., Passamonti, F., Henning, K., 2013b. Is the horse a reservoir or an indicator of *Coxiella burnetii* infection? Systematic review and biomolecular investigation. *Vet Microbiol* 167, 662-669.

Schoubben, A., Blasi, P., **Marenzoni, M.L.**, Barberini, L., Giovagnoli, S., Cirotto, C., Ricci, M., 2013. Capreomycin supergenerics for pulmonary tuberculosis in vitro, and in vivo characterization. *European J Pharmaceutics and Biopharmaceutics* 83, 388-395.

**Marenzoni, M.L.**, Passamonti, F., Lepri, E., Cercone, M., Capomaccio, S., Cappelli, K., Felicetti, M., Coppola, G., Coletti, M., Thiry, E., 2011. Quantification of Equid herpesvirus 5 DNA in clinical and necropsy specimens collected from a horse with equine multinodular pulmonary fibrosis. *Journal of Veterinary Diagnostic Investigation* 23, 802-806.

