

PERSONAL INFORMATION

Petra Picò Cagnardi



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Sex Female | **Date of birth** 21/08/1970 | **Nationality** Italian

WORK EXPERIENCE

From November 2016

Associate Professor

Dept. of Health, Animal Science and Food Safety, Università degli studi di Milano, Milano
Veterinary Pharmacology and Toxicology (VET/07)

From July 2007 to November 2016

Researcher

Dept. of Veterinary Sciences and Technologies for Food Safety and Dept. of Health, Animal Science and Food Safety, Università degli studi di Milano, Milano
Veterinary Pharmacology and Toxicology (VET/07)

From November 2001 to October 2006

Post Doctoral Position

Università degli studi di Milano, Milano
Veterinary Pharmacology and Toxicology (VET/07)

From January to October 2002

Laboratory Analysts

Centro Antidoping U.N.I.R.E., Settimo Milanese

From 1998 to 2001

Doctor of Philosophy (PhD) student in Veterinary Pathology, Pharmacokinetics and Clinical Therapy

Università degli studi di Milano, Milano
Veterinary Pharmacology and Toxicology (VET/07)

EDUCATION AND TRAINING

From April 2017

National Scientific Habilitation, Full Professor 07/H4 Clinics and Veterinary Pharmacology

From March 2013

Resident of the European College of Veterinary Pharmacology and Toxicology (ECVPT)

From November 2011 to January 2015

PhD Tutor Graduate School of Veterinary Sciences for Animal Health and Food Safety

Università degli studi di Milano, Milano

From April 2002

PhD in Veterinary Pathology, Pharmacokinetics and Clinical Therapy

Università degli studi di Milano, Milano

Da ottobre 2000

Member of the examination board in Veterinary Pharmacology and Toxicology (VET/07)

Università degli studi di Milano, Milano

Novembre 1998

National habilitation for practicing in Veterinary Medicine

Università degli studi di Milano, Milano

Marzo 1998

Degree in Veterinary Medicine

Università degli studi di Milano, Milano

Luglio 1990 **High School Diploma**
Civico Liceo Linguistico "A. Manzoni", Milano
Languages studied: English and German

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
German	B1	B1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills ▪ good communication skills gained through my experience as university researcher and professor

Organisational / managerial skills ▪ good leadership and organization skills demonstrated with the responsibility of projects funded by National or private entities.

Digital skills

SELF-ASSESSMENT				
Information processing		Information processing		Information processing
Proficient user	Proficient user	Proficient user	independent user	independent user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- good command of office suite (word processor, spread sheet, presentation software)
- good command of pharmacokinetic software (WinNonLin®, Phoenix® Certara)

Driving licence B

ADDITIONAL INFORMATION

Workshops attended i

- March 2003, "EAVPT/ECVPT Pharmacokinetic Pharmacodynamic workshop", Moredun Research Institute, Penicuik, Scotland
- July 2003, "EAVPT/ECVPT Pharmacokinetics workshop", Lisbona, Portogallo
- July 2005 "EAVPT/ECVPT workshop on Anti-infectives in Veterinary Medicine", Royal Veterinary College, Londra, UK,
- May 2013 "ECVPT Immunopharmacology and Immunotoxicology workshop" " Facoltà di Medicina Veterinaria, Hannover, Germania
- September 2017 Conference and workshop "Antimicrobial susceptibility testing with VETCAST" Toulouse, France
- October 2018 Workshop on "Population Pharmacokinetics", Toulouse, france

Associations ▪ Member of the "Società Italiana delle Scienze Veterinarie"

- Member of the “European Association for Veterinary Pharmacology and Toxicology”
- Chairperson of the “Ninth International Conference on Antimicrobial Agents in Veterinary Medicine (AAVM)” Rome 2018.
- February 2018 member of VetCAST, EUCAST Veterinary Subcommittee on Antimicrobial Susceptibility Testing

Funding received

- 1999 - Young Researchers Project funded by the Italian Ministry of University and Scientific Research for the project: Blood and tissue kinetics and residual depletion of doxycycline in rabbit”.
- 2009 – Head of research unit, Scientific Research Programs Of Relevant National Interest funded by the Italian Ministry of University and Scientific Research for the project: “Prudent use of fluoroquinolones in turkey: pharmacokinetics of enrofloxacin, difloxacin and flumequine for PK/PD modelling”. Research Unit of the National Project entitled: “Prudent use of fluoroquinolones in turkey: PK/PD evaluation”.
- 2015 - Head of research unit, Research Development Plan funded by UNIMI for the project: “Population pharmacokinetics of propofol in dogs administered by total control infusion pump (TCI)”.
- 2016 - Head of research unit, Research Development Plan funded by UNIMI for the project: “Clinical pharmacokinetics and efficacy of dexmedetomidine with butorphanol or methadone after oral transmucosal administration”.
- 2016 - Head of research unit, Scientific Research Programs Of Relevant National Interest funded by the Italian Ministry of University and Scientific Research for the project: “Use of antimicrobials in farm animals and its impact on public health and the environment: spread of resistance and toxicity on non-target organisms”.

Scientific activity and publications

The research activity of Dr. Cagnardi is focused to the study of antibacterial, analgesic and anti-inflammatory drugs used in veterinary medicine and in particular to the definition of their kinetic behavior in order to optimize the species-specific posology schemes, using, where possible, pharmacokinetic and pharmacodynamic correlation (PK/PD), which relate kinetic parameters and efficacy values of the drugs in the study.

Another research interest is to evaluate the tissue distribution and the residual depletion of antibacterial agents in the food producing species, with the aim of defining the optimal withdrawal time in respect of the maximum residual limits (MRL).

More specifically, the doctor was interested in the study of:

- a) kinetic evaluation, tissue distribution and residual depletion of beta-lactams, tetracyclines and fluoroquinolones in many species of veterinary, such as canine, equine, bovine, ovine, rabbit and swine.
- b) the kinetic study of non-steroidal anti-inflammatory drugs (such as nimesulide, naproxen, meloxicam and eltenac) in the horse or calf.
- c) kinetic and clinical efficacy study of analgesic drugs used in the peri-operative period, such as tramadol, butorphanol, dexmedetomidine and ketorolac in companion species, such as dog, cat and horse.
- d) the definition of the kinetic behavior of fluoroquinolones in turkey for the application of PK/PD models and the limitation of resistance spread in *E. coli*, *Campylobacter* and *Salmonella*.
- e) the evaluation of the mammary depletion of some cephalosporins in healthy cows or infected by subclinical mastitis and the possible systemic diffusion of the local intramammary treatment.

Dr Cagnardi is Author or co-Author of 117 papers, divided as follows:

- 45 full papers in international journals;
- 10 full papers in national journals
- 2 book chapters;
- 47 national/international Congress proceedings/long abstracts;
- 13 abstracts presented at national or international meetings/Congresses.

The papers published in Journal with Impact factor are 41 and the total number of citation is 266 (Scopus). Hirsch index(h-index, Scopus) is 9. Most of the papers are published in journals in the first (Q1 n. 21), second (Q2 n. 14) or third quartile (Q3 n. 5) for veterinary sciences and correlated categories, based on ISI WoK classification.

Teaching

From A.J. 2009/10 to 2013/14, "Veterinary Toxicology" (I.C.: Veterinary Pharmacology and Toxicology), Degree in Veterinary Biotechnology, Faculty of Veterinary Medicine, Università degli Studi di Milano.
A.J. 2014/15 "Veterinary Pharmacology and Toxicology", Degree in Veterinary Biotechnology Degree in Veterinary Biotechnology, Faculty of Veterinary Medicine, Università degli Studi di Milano.

From A.J. 2016/2017, "Veterinary Pharmacology and Toxicology" (I.C.: Veterinary Pharmacology and Biotechnology Law), Degree in Biotechnology, Università degli Studi di Milano

From A.J. 2017/18 practical lessons for the module of "Veterinary Pharmacology" (I.C.: Veterinary Pharmacology and Toxicology, Master of Science in Veterinary Medicine, Università degli Studi di Milano