

## PERSONAL INFORMATION

## Petra P. 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

From October 2000

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

Università degli studi di Milano, Milano

November 1998

**National habilitation for practicing in Veterinary Medicine**

Università degli studi di Milano, Milano

March 1998

**Degree in Veterinary Medicine**

Università degli studi di Milano, Milano

July 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

- March 2003, "EAVPT/ECVPT Pharmacokinetic Pharmacodynamic workshop", Moredun Research Institute, Penicuik, Scotland
- July 2003, "EAVPT/ECVPT Pharmacokinetics workshop", Lisbon, Portugal
- July 2005 "EAVPT/ECVPT workshop on Anti-infectives in Veterinary Medicine", Royal Veterinary College, London, UK,
- May 2013 "ECVPT Immunopharmacology and Immunotoxicology workshop" "University of Veterinary Medicine, Hannover, Germany
- 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” and of its Scientific Committee
- Member of the “Società Italiana di Farmacologia e Tossicologia Veterinaria – SIFTVet” and of its Executive Committee
- 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”.
- 2018 Head of research unit, Research Development Plan funded by UNIMI for the project: Pharmacokinetics and clinical efficacy of classical or alternatives sedative protocols in the horse”

## Scientific activity and publications

The research activity of Prof. Cagnardi is focused to:

- Pharmacokinetics, tissue distribution and residual depletion of antibacterial or anti-inflammatory drugs used in veterinary medicine for the optimisation of drug dosages, i.e. cephalosporins for intramammary treatment in cows, non-steroidal anti-inflammatory drugs in the horse or calf.
- Pharmacokinetics correlated to clinical efficacy of analgesic drugs (tramadol, butorphanol, metadone and ketorolac) or sedatives (dexmedetomidine) used in the peri-operative period in companion animals as dogs, cats and horses, also exploring alternative routes of administrations, i.e. oral transmucosal route.
- Pharmacokinetic/pharmacodynamic (PK/PD) modeling of antimicrobials to obtain the most specific breakpoints for the determination of the correct therapy and for the limitation of the widespread of antibiotic resistance, i.e. fluoroquinolones use in turkeys, cefazolin in dogs,.
- The environmental impact of antimicrobials use in farm animals on public health and the environment, defining the spread of resistance and toxicity on non-target organisms

Prof. Cagnardi is Author or co-Author of 127 papers, divided as follows:

- 47 full papers in international journals;
- 10 full papers in national journals
- 4 book chapters;
- 52 national/international Congress proceedings/long abstracts;
- 14 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 296 (Scopus). Hirsch index (h-index, Scopus) is 10. Most of the papers are published in journals in the first (Q1 n. 20), second (Q2 n. 15) 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