



## **Gaia Cecilia Luvoni**

*Full Professor*

*Veterinary Obstetrics and Gynaecology*

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### **Education**

- 1986 Doctor in Veterinary Medicine (DVM), Università degli Studi Milano, Italy
- 1989 Visiting scientist – Canine Semen Bank - Ecole Vétérinaire di Maisons-Alfort, Paris, France
- 1990 Visiting Scientist S. Gabriel Embryo Engineering Lab., Louisiana State University, USA
- 1992 PhD, Università degli Studi di Milano, Italy
- 1993-1994 Research Scientist Dept. Physiology & Pharmacology, College of Veterinary Medicine, University of Georgia, USA

### **Licence to practice and professional specialties**

- 1986 Licence to practice (Veterinary Medicine)
- 2002 Diplomate European College of Animal Reproduction (ECAR)

### **Academic positions**

- 1992-2000 Assistant Professor\*
- 2000- 2015 Associate Professor\*
- 2015- Full Professor\*

*\* Veterinary Obstetrics and Gynaecology; School of Veterinary Medicine, Università degli Studi di Milano, Italy; ex Veterinary Obstetrics and Gynaecology, Department of Veterinary Clinical Sciences now Department of Health, Animal Science and Food Safety.*

## Teaching

### Veterinary Medicine - Università degli Studi di Milano, Italy

- 1995- Veterinary Obstetrics
- 2002- Small Animals Reproduction

### Veterinary Biotechnologies - Università degli Studi di Milano, Italy

- 1997- Assisted Reproduction
- 2002- Cryopreservation of Gametes and Embryos
- 2003-2009 Clinical Applications of Reproductive Biotechnologies
- 2010- Micromanipulation of gametes and embryos and seminology

### Postgraduate courses

- 2004 & 2008 Course Director “Recent advances in Small Animal Reproduction” (European Society for Advanced Veterinary Studies)
- 2006-2011 Socrates/Erasmus lectures at University of Las Palmas di Gran Canaria (Spain) - Gent (Belgium) - Cordoba (Spain)
- 2010-2015 Course Director “Artificial Insemination and semen preservation in dogs” Università degli Studi di Milano, Italy

## Offices held and assignments

- 1998- Referee International Journals
- 1997-2003 Comitato d’Area (9, Scienze Veterinarie) Università degli Studi di Milano, Italy
- 2004- 2010 Board European Society for Small Animal Reproduction (EVSSAR)
- 2007- 2010 President EVSSAR
- 2008- Board European College of Animal Reproduction (ECAR)
- 2011- Member of Academic Senate of Università degli Studi Milano, Italy

## Research interests

### *Theriogenology and Biotechnology of Reproduction in Carnivores:*

- Assisted Reproduction
- In vitro embryo production
- Cryopreservation of gametes and gonadal tissue
- Ultrasonographic foetal biometry

## Scientific Collaborations

- Prof. Julianna Thuróczy - Department of Obstetrics and Reproduction - Szent István University - Faculty of Veterinary Science, Budapest, Hungary.
- Prof. Wilter Ricardo R. Vicente, Dr. Maricy Apparicio e Dr. Aracelle E. Alves College of Veterinary and Agricultural Sciences - Sao Paulo State University, UNESP *campus* Jaboticabal – SP / Brazil

## Publications

More than 160 papers and abstracts published on national and international journals and congress proceedings.

## 10 selected publications 2011-2014

Apparício M., Mostachio G.Q., Motheo T.F., Alves A.E., Padilha L., Pires-Butler E.A., Savi P.A.P., Uscategui R.A.R., Luvoni G.C., Vicente W.R.R. (2014). Distribution of cortical granules and meiotic maturation of canine oocytes in bi-phasic systems. *Reproduction Fertility and Development*, Apr 28. doi: 10.1071/RD14022

Vernocchi V., Morselli M.G., Lange Consiglio A., Faustini M., G.C. Luvoni (2014). DNA fragmentation and sperm head morphometry in cat epididymal spermatozoa. *Theriogenology*, 82: 982-987. doi: 10.1016/j.theriogenology.2014.07.014

Vernocchi V., Morselli M.G., Varesi S., Nonnis S., Maffioli E., Negri A., Tedeschi G., Luvoni G.C. (2014). Sperm ubiquitination in epididymal feline semen. *Theriogenology*, 82: 636-642. doi: 10.1016/j.theriogenology.2014.06.002

Apparicio M., Ruggeri E., Luvoni G.C. (2013). Vitrification of immature feline oocytes with a commercial kit for bovine embryo vitrification. *Reproduction in Domestic Animals*, 48: 240-244. doi: 10.1111/j.1439-0531.2012.02138.x

Varesi S., Vernocchi V., Faustini M., Luvoni G.C. (2013). Quality of canine spermatozoa retrieved by Percutaneous Epididymal Sperm Aspiration. *Journal of Small Animal Practice*, 54: 87-91. doi: 10.1111/jsap.12020

Varesi S., Vernocchi V., Faustini M., Luvoni G.C. (2013). Morphological and acrosomal changes of canine spermatozoa during epididymal transit. *Acta Veterinaria Scandinavica*, 55:17. doi: 10.1186/1751-0147-55-17

Luvoni G.C. (2012). Cryosurvival of *ex situ* and *in situ* feline oocytes. *Reproduction in Domestic Animals*, 47 (Suppl. 6): 266-268. doi: 10.1111/rda.12040

Alves E.A., Kozel A.C., Luvoni G.C. (2012). Vitrification with DAP 213 and Cryotop of *ex situ* and *in situ* feline cumulus-oocyte complexes. *Reproduction in Domestic Animals*, 47: 1003-1008. doi: 10.1111/j.1439-0531.2012.02006.x

Luvoni G.C., Tessaro I., Apparicio M.F., Ruggeri E., Luciano A.M., Modena S. (2012). Effect of vitrification of feline ovarian cortex on follicular and oocyte quality and competence. *Reproduction in Domestic Animals*, 47: 385-91. doi: 10.1111/j.1439-0531.2011.01885.x

Lopes G., Alves M.G., Carvalho R.A., Luvoni G.C., Rocha A. (2011). DNA fragmentation in canine oocytes after *in vitro* maturation in TCM-199 medium supplemented with different proteins. *Theriogenology*, 76: 1304-12. doi: 10.1016/j.theriogenology.2011.05.037