

## Europass Curriculum Vitae



### Personal information

First name / Surname	<b>GAIA CECILIA LUVONI</b>
Address	<i>DIPARTIMENTO DI SCIENZE VETERINARIE PER LA SALUTE, LA PRODUZIONE ANIMALE E LA SICUREZZA ALIMENTARE UNIVERSITÀ DEGLI STUDI DI MILANO, ITALY</i>
Telephone	+39 02-50318147
Fax	+39 02-50318148
E-mail	cecilia.luvoni@unimi.it
Nationality	Italian
Date and place of birth	May 22nd, 1959 Milano, Italy
Gender	Female

### Work experience

Dates	From June 2015
Occupation or position held	Full Professor
Main activities and responsibilities	Teaching Veterinary Obstetrics/Gynecology and Reproductive Biotechnology in undergraduate courses: Veterinary Medicine - Università degli Studi di Milano, Italy Veterinary Biotechnology - Università degli Studi di Milano, Italy  in postgraduate national and international courses.  2012-today Responsible of Canine Semen Bank – VETOGENE (ex-Spin-off of Università degli Studi di Milano, Italy)  2005-today Director of Residency Programme European College of Animal Reproduction (ECAR) at Veterinary Obstetrics and Gynecology - Università degli Studi di Milano, Italy (Certified Training Institution ECAR).  Research activity in Theriogenology and Biotechnology of Reproduction in Carnivores.
Name and address of employer	Università degli Studi di Milano, Italy
Type of business or sector	Veterinary Obstetrics and Gynecology
Dates	2000-2015

Occupation or position held	Associate Professor
Name and address of employer	Università degli Studi di Milano, Italy
Type of business or sector	Veterinary Obstetrics and Gynecology
Dates	1992-2000
Occupation or position held	Assistant Professor
Name and address of employer	Università degli Studi di Milano, Italy
Type of business or sector	Veterinary Obstetrics and Gynecology

### Education and training

Dates	2002 (2005, 2010 and 2015)
Title of qualification awarded	Diplomate (Diploma Recertification)
Principal subjects/occupational skills covered	Animal Reproduction
Name and type of organisation providing education and training	ECAR – European College of Animal Reproduction
Dates	1993-1994
Title of qualification awarded	Research Scientist
Principal subjects/occupational skills covered	In vitro embryo production and gamete micromanipulation.
Name and type of organisation providing education and training	Dept. Physiology & Pharmacology, College of Veterinary Medicine, University of Georgia, USA
Dates	1992
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Veterinary Reproductive Biotechnology
Name and type of organisation providing education and training	Università degli Studi di Milano, Italy
Level in national or international classification	ISCED 6
Dates	1990
Title of qualification awarded	Visiting Scientist
Principal subjects/occupational skills covered	In vitro embryo culture.
Name and type of organisation providing education and training	S. Gabriel Embryo Engineering Lab., Louisiana State University, USA
Dates	1989
Title of qualification awarded	Visiting Scientist
Principal subjects/occupational skills covered	Cryoconservation of spermatozoa.
Name and type of organisation providing education and training	Canine Semen Bank - Ecole Nationale Vétérinaire d'Alfort, Maisons-Alfort (France)
Dates	1986
Title of qualification awarded	Degree <i>cum laude</i> in Veterinary Medicine
Name and type of organisation providing education and training	Faculty of Veterinary Medicine - Università degli Studi di Milano, Italy

Level in national or international classification  
 Dates  
 Title of qualification awarded  
 Name and type of organisation providing education and training

ISCED 5  
 1986  
 License to practice (Veterinary Medicine)  
 Ministry of Education, University and Research

**Personal skills and competences**

Mother tongue(s)  
 Other language(s)

Self-assessment  
 European level (\*)

**English**  
**French**

Understanding		Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production	
C1	C1	B2	B2	B2	B2	C1	C1
B2	B2	B1	B1	B1	B1	B1	B1

(\*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Research work in team.  
 International scientific collaborations:  
 - Prof. Julianna Thuróczy - Department of Obstetrics and Reproduction - Szent István University, Faculty of Veterinary Science, Budapest, Hungary.  
 - Prof. Wilter Ricardo R. Vicente, Prof. Maricy Apparicio - College of Veterinary and Agricultural Sciences - Sao Paulo State University, UNESP campus Jaboticabal, SP / Brazil.  
 - Prof. Aracelle E. Alves - Federal University of Uberlândia (FAMEV UFU), Uberlândia, Minas Gerais, Brazil.

Organisational skills and competences

**Offices held and assignments**  
 2008-today Board European College of Animal Reproduction (ECAR)  
 2017-2019 Member of Committee for University Quality Assurance (2017-19)- Università degli Studi Milano, Italy  
 2016-2018 Member of National Committee for Scientific Certification.  
 2015-2017 Member of Committee for Quality of Teaching (2015-17)- Università degli Studi Milano, Italy  
 2012-2015 Member of Academic Senate - Università degli Studi Milano, Italy  
 2006-2012 Director Veterinary Obstetrics and Gynecology Unit - Università degli Studi di Milano, Italy  
 2007-2010 President European Society for Small Animal Reproduction (EVSSAR)  
 2004-2007 Board European Society for Small Animal Reproduction (EVSSAR)  
 1997-2003 Research Committee (9, Veterinary Science) Università degli Studi di Milano, Italy

***Teaching at Università degli Studi di Milano, Italy***

Veterinary Medicine

2002-today Small Animals Reproduction

1995-today Veterinary Obstetrics

Veterinary Biotechnology

2010-today Micromanipulation of Gametes and Embryos and Seminology

2003-2009 Clinical Applications of Reproductive Biotechnology

2002-today Cryopreservation of Gametes and Embryos

1997-today Assisted Reproduction

Biotechnology

2015-today Assisted Reproduction

Postgraduate courses

2010-2018 Director eight editions "Artificial Insemination and semen preservation in dogs"

2011 Teacher at "Course for highly qualified researchers for Tissue and Cell Banking for experimental, diagnostic and clinical applications" - Consorzio Italtotec, Italy

2002-today Supervisor of 8 PhD students and co-supervisor of 1 PhD student of Faculty of Medicine and Surgery.

1994-today Teacher of Specialization School "Clinical pathology of small animals"

***Teaching at International level***

2006-2010 Opponent or committee member for PhD defense at Swedish University of Agricultural Sciences, Uppsala (Sweden). Ecole Nationale Vétérinaire d'Alfort, Maisons-Alfort (France). Faculty of Natural and Environmental Sciences, Kuopio University (Finland)

2005-today Faculty of Veterinary Medicine, Ghent University (Belgium) Supervisor of 4 "Residents" (3 italians, 1 foreigner) for European College of Animal Reproduction (ECAR)

2005-2010 Co-supervisor PhD student University Porto (Portugal)

2006-2011 Socrates/Erasmus lectures at University of Las Palmas, Gran Canaria (Spain) - Ghent (Belgium) - Cordoba (Spain)

2004 & 2008 Director ESAVS (European Society for Advanced Veterinary Study) Course "Recent advances in Small Animal Reproduction" (European Society for Advanced Veterinary Studies)

***Research activity***

*Theriogenology and Biotechnology of Reproduction in Carnivores:*

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

2012-today Member of international task force for the standardization of semen evaluation in domestic animals.

2015 and 2017 Grant Università degli Studi di Milano: Piano di Sostegno alla Ricerca (Azione 2- Linea B).

2003-2010 Supervisor of 3 post-docs.  
2005-2007 Local Responsible National Grant (project PRIN n. 2005079845\_003  
2003-2005 Principal investigator National Grant (project PRIN n. 2003077571)  
2001-2003 Principal investigator National Grant (project PRIN n. 2001078824)  
1995-2009 Principal investigator in National Grant National grants (ex 60%,  
FIRST,PUR)

### *Diffusion of the results*

Oral communications and seminars in national and international meetings, invited speaker in 20 International Meetings in 14 countries including Australia, Brazil, Canada and New Zealand.

Author of 205 publications:

71 extended papers

1 book chapter

100 abstracts in Proceedings of International Meetings

33 abstracts in Proceedings of National Meetings

### *Published papers 2013-2018*

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: 240-4. 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

Rossi E., Radi O., De Lorenzi L., Vetro A., Groppetti D., Bigliardi E., Luvoni G.C., Rota A., Camerino G., Zuffardi O., Parma P. (2014)

Sox9 duplications are a relevant cause of Sry-negative XX sex reversal dogs *PLoS One*, 10;9(7):e101244, DOI: 10.1371/journal.pone.0101244

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

Vernocchi V., Morselli M.G., Lange Consiglio A., Faustini M., Luvoni G.C. (2014)

DNA fragmentation and sperm head morphometry in cat epididymal spermatozoa *Theriogenology*, 82: 982-987. doi: 10.1016/j.theriogenology.2014.07.014

Varesi S., Vernocchi V., Morselli M.G., Luvoni G.C. (2014)

DNA integrity of fresh and frozen canine epididymal spermatozoa *Reproductive Biology*, 14: 257-261. doi: 10.1016/j.repbio.2014.07.001

Alonge S., Romussi S., Grieco V., Luvoni G.C. (2015)

Congenital abnormality of the vagina complicated by haemato-pyocolpos in a 1-year Labrador retriever. *Reproduction in Domestic Animals*, 50: 514-516. doi: 10.1111/rda.12491

Apparicio M., Mostachio G.O., 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. (2015)

Distribution of cortical granules and meiotic maturation of canine oocytes in bi-phasic systems. *Reproduction Fertility and Development*, 27: 1082-1087. doi: 10.1071/RD14022

Brito L.F.C., Althouse G.C., Aurich C., Chenoweth P.J., Eilts B.E., Love C.C., Luvoni G.C., Mitchell J.R., Peter A.T., Pugh D.G., Waberski D. (2016)

Andrology laboratory review: evaluation of sperm concentration. *Theriogenology*, 85:1507-27. doi: 10.1016/j.theriogenology.2016.01.002.

Alonge S., Beccaglia M., Melandri M., Luvoni G.C. (2016)

Prediction of whelping date in large and giant canine breeds by ultrasonography foetal biometry. *Journal of Small Animal Practice*, 57: 479-483, doi: 10.1111/jsap.12534

Alonge S., Mauri M., Faustini M., Luvoni G.C. (2016)

Feto-maternal heart rate ratio in pregnant bitches: effect of gestational age and maternal size.  
*Reproduction in Domestic Animals*, 51: 688-692, doi: 10.1111/rda.12731

Beccaglia M., Alonge S., Trovò C., Luvoni G.C. (2016)  
Determination of gestational time and prediction of parturition in dogs and cats: an update.  
*Reproduction in Domestic Animals*, 51 (Suppl 1):12-17. doi: 10.1111/rda.12782

Cocola C., Molgora S., Veronesi M.C., Greco M., Bragato C., Moro M., Crosti M., Gray B., Milanese L., Grieco V., Luvoni G.C., Kehler J., Bellipanni G., Reinbold R., Zucchi I., Giordano A. (2017)  
FGF2 and EGF is required for in vitro self-renewal of canine normal and tumor breast stem/progenitor cells that have organoid formation potential.  
*Journal of Cellular Biochemistry*, 118: 570-584. doi: 10.1002/jcb.25737.

Morselli M.G., Canziani S., Vigo D., Luvoni G.C. (2017)  
A three-dimensional alginate system for in vitro culture of cumulus-denuded feline oocytes.  
*Reproduction in Domestic Animals*, 52: 83-88. doi: 10.1111/rda.12806

Morselli M.G., Luvoni G.C., Comizzoli P. (2017)  
The nuclear and developmental competence of cumulus-oocytes complexes is enhanced by 3-dimensional co-culture with conspecific denuded oocytes during in vitro maturation in the domestic cat model.  
*Reproduction in Domestic Animals*, 52 Suppl. 2: 82-87. doi: 10.1111/rda.12850

Apparicio M., Santos V.G., Rocha D.F.O., Ferreira C.R., Macente B.I., Magalhães G.M., Alves A.E., Motheo T.F., Padilha-Nakaghi L.C., Pires-Butler E.A., Luvoni G.C., Eberlin M.N., Vicente W.R.R. (2017)  
Matrix-assisted laser desorption/ionization imaging mass spectrometry for the spatial location of feline oviductal proteins.  
*Reproduction in Domestic Animals*, 52 Suppl. 2: 88-92. doi: 10.1111/rda.12842

Alves A.E., Padilha-Nakaghi L.C., Pires-Butler E.A., Apparicio M., Silva N.A.M., Motheo T.F., Vicente W.R.R., Luvoni G.C. (2017)  
Viability and growth of feline preantral follicles in vitro cultured with insulin growth factor and epidermal growth factor supplemented medium.  
*Reproduction in Domestic Animals*, 52 Suppl. 2: 93-97. doi: 10.1111/rda.12839

Luvoni G.C., Morselli M.G. (2017)  
Canine epididymal spermatozoa: a hidden treasure with great potential  
*Reproduction in Domestic Animals*, 52 Suppl. 2: 197-201. doi: 10.1111/rda.12820

Mantziaras G., Alonge S., Faustini M., Luvoni G.C. (2017)  
Assessment of the age for a preventive ultrasonographic examination of the prostate in the dog.  
*Theriogenology*, 100: 114-119. doi: 10.1016/j.theriogenology.2017.06.010

Vernocchi V., Morselli M.G., Faustini F., Gabai G., Da Dalt L., Luvoni G.C. (2018). One year daily changes in fecal sexual steroids of two captive female cheetahs (*Acinonyx jubatus*) in Italy.  
*Animal Reproduction Science*, 191:1-8, doi: 10.1016/j.anireprosci.2018.01.016

#### Other skills and competences

- 2014 External Reviewer of research project - Danish Council
- 2012 Expert External Evaluator (Expert Assessor) for professor position at Swedish University of Agricultural Sciences, Uppsala (Sweden)
- 1998-today Reviewer of International journals  
Member of Scientific Committee of International meetings

**Additional information*****International Awards***

- 2018 First award for Best AShort Communication - 3rd Biannual Congress EVSSAR (European Veterinary Society for Small Animal Reproduction), Liege (Belgium)
- 2012 International award "Career of graduated and postgraduated teaching" - 7th International Symposium of Canine and Feline Reproduction (ISCFR), Whistler (Canada)
- 2002 First award for Best Poster - 3rd Biannual Congress EVSSAR (European Veterinary Society for Small Animal Reproduction), Liege (Belgium)

**Annexes**

none

AUTORIZZO IL TRATTAMENTO DEI DATI PERSONALI AI SENSI DEL D.LGS 196/03.

MILANO, June 25th, 2018

Yours faithfully  
Gaia Cecilia LUVONI

