



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Valentina Lodde**

Work experience

Dates Since December 2016 (current position)

Occupation or position held **Associate Professor**

Main activities and responsibilities Scientific Research and teaching activities

Name and address of employer University of Milan,
Department of Health, Animal Science and Food Safety
[Reproductive and Developmental Biology Laboratory](#)

Via Celoria 10, 20133 Milano

Type of business or sector Academic

Dates From December 2016 to April 2017

Occupation or position held **Visiting Professor at the University of Laval (Quebec, Canada)**

Main activities and responsibilities Scientific Research within the Project 'Focus on zinc function in oocyte development to improve reproductive performance in dairy cattle (Zinc-oo) awarded to Valentina Lodde by the Organisation for Economic Co-operation and Development (OECD) within the 2016 Co-operative Research programme: Biological Resources Management for Sustainable Agricultural systems – Fellowship award Programme 2016

Name and address of employer Department of Animal Science, University of Laval, Québec, Canada (hosted by Prof. Marc-André Sirard)

Type of business or sector Scientific Research

Dates From December 2015 to November 2016

Occupation or position held **Researcher**

Main activities and responsibilities Scientific Research
Supervisor of research activity Prof. Albert M. Luciano, University of Milan

Name and address of employer Economical support was provided in part by the Department of Animal Science and Food Safety of the University of Milan and in part by the Italian Government program (italian 'Indennità NASpi'), designed for people that are in transition to a new position.

Type of business or sector Scientific Research

<u>Dates</u>	From December 2012 to November 2015
<u>Occupation or position held</u>	Researcher (Ricercatore a tempo determinate tipo A)
<u>Main activities and responsibilities</u>	Scientific Research and teaching activities
<u>Name and address of employer</u>	Department of Health, Animal Science and Food Safety University of Milan
<u>Type of business or sector</u>	Scientific Research
<u>Dates</u>	From December 2011 to November 2012
<u>Occupation or position held</u>	Post Doctoral Fellow
<u>Main activities and responsibilities</u>	Research activities within the project: "Development of physiological systems for oocyte in vitro maturation in domestic mammals for the purpose of improving the efficiency of assisted reproductive biotechnologies".
<u>Name and address of employer</u>	Department of Health, Animal Science and Food Safety University of Milan, via Festa del Perdono 7, Milan 20122, Italy (funded by "Dowry applied research" from Lombardy Region and AVANTEA srl, Via Porcellasco 7/F, 26100 Cremona (CR, Italy))
<u>Type of business or sector</u>	Scientific Research
<u>Dates</u>	July/August 2012
<u>Occupation or position held</u>	Visiting Scientist
<u>Main activities and responsibilities</u>	Research activities within the project EmbryoGENE Network Project: Development of a transcriptomic platform to identify markers that can predict mammalian oocyte competence.
<u>Name and address of employer</u>	Department of Animal Science, University of Laval, Québec, Canada (hosted by Prof. Marc-André Sirard)
<u>Type of business or sector</u>	Scientific Research
<u>Dates</u>	From May to October 2011
<u>Occupation or position held</u>	Research Fellow
<u>Main activities and responsibilities</u>	Reserch activities within the project: "Study of low-dose hormone therapy in the polycystic ovarian syndrome (PCOS) in the mouse"
<u>Name and address of employer</u>	Consortium "Milano Ricerche", via Cicognara 7, Milan 20129, Italy
<u>Type of business or sector</u>	Scientific Research
<u>Dates</u>	From March 2009 to March 2011
<u>Occupation or position held</u>	Post Doctoral Fellow
<u>Main activities and responsibilities</u>	Research activities focused on the studies on Progesterone Receptor Membrane component 1 and its role in regulating female fertility
<u>Name and address of employer</u>	University of Connecticut Health Center, 263 Farmington Avenue, Farmington, Connecticut 06043-4035
<u>Type of business or sector</u>	Scientific Research
<u>Dates</u>	From October 2006 to March 2009
<u>Occupation or position held</u>	Post Doctoral Fellow

<u>Main activities and responsibilities</u>	Research activities focused on the studies of nuclear and cytoplasmic factors that regulate oocyte quality and female fertility
<u>Name and address of employer</u>	University of Milan, via Festa del Perdono 7, Milan 20122, Italy
<u>Type of business or sector</u>	Scientific Research
<u>Dates</u>	From April 2006 to January 2007
<u>Occupation or position held</u>	L'Oréal-UNESCO "For Women in Science" Fellowship
<u>Main activities and responsibilities</u>	Research activities mainly focused on the studies on the process of chromatin remodeling and its role in regulating oocyte function and female fertility
<u>Name and address of employer</u>	L'OREAL Italia, Via Primaticcio, 155 , Milan 20147, Italy
<u>Type of business or sector</u>	Scientific Research
<u>Dates</u>	From April 2005 to June 2005
<u>Occupation or position held</u>	Visiting Ph.D. student
<u>Main activities and responsibilities</u>	Training on transmission electron microscopy and autoradiography. Research activities focused on the studies of the oocyte morphology and transcriptional silencing in relation to chromatin remodeling during the final phases of bovine oocyte growth
<u>Name and address of employer</u>	Department of Animal Veterinary Science Anatomy and Cell Biology, Royal Veterinary and Agricultural University, Copenhagen, Denmark.
<u>Type of business or sector</u>	Scientific Research
<u>Dates</u>	From July 2002 to September 2002
<u>Occupation or position held</u>	Visiting graduate student
<u>Main activities and responsibilities</u>	Training on cryopreservation techniques and culture of ovine oocytes and embryos. Research activities focused on the studies on the involvement of the junctional protein E-cadherin in sheep early embryonic development
<u>Name and address of employer</u>	Department of Animal Biology, University of Sassari, Sassari, Italy.
<u>Type of business or sector</u>	Scientific Research
Education and training	
<u>Dates</u>	From October 2002 to November 2005
<u>Title of qualification awarded</u>	Ph.D. in Biotechnology applied to Veterinary Sciences (January 2006)
<u>Principal subjects/occupational skills covered</u>	Principal subject covered: Biotechnology applied to Reproductive Biology, mainly focused on the study of the process of chromatin remodeling in the mammalian oocyte.
<u>Name and type of organization providing education and training</u>	Title of Ph.D. degree thesis: Characterization of the mechanisms involved in the acquisition of in vitro developmental competence in mammalian oocytes Faculty of Veterinary Medicine, University of Milan, Italy
<u>Dates</u>	From September 1996 to May 2002

<p><u>Title of qualification awarded</u></p> <p><u>Principal subjects/occupational skills covered</u></p> <p><u>Name and type of organization providing education and training</u></p>	<p>Doctor in Biotechnology, veterinary orientation (Equivalent to Master Degree in Biotechnology Applied to Veterinary Sciences)</p> <p>General: Mathematics, physics, chemistry and biochemistry, cellular and molecular biology, genetics, microbiology, pharmacology, immunology, histology and veterinary anatomy, embryology, animal physiology, biology of reproduction, biotechnology applied to veterinary nutrition, biotechnology applied to animal production, biotechnology applied to veterinary pathology, veterinary legislation and bioethics</p> <p>Relevant technical skills acquired: Biochemical, cellular and molecular biology techniques. Techniques of isolation, in vitro maturation and fertilization of oocytes; culture systems for embryo development</p> <p>Title of Master degree thesis: Quantitative analysis of maternal transcripts in the bovine oocyte by Real-time PCR</p> <p>Faculty of Veterinary Medicine, University of Milan, Italy</p>
<p>Academic achievements and teaching activities</p>	
<p><u>Dates</u></p> <p><u>Title of qualification awarded</u></p> <p><u>Name and type of organization providing qualification awarded</u></p>	<p>2013</p> <p>National Scientific Qualification' as Associate Professor" (art.16 of the law 30 December 2010, n.240) which is the procedure of the Italian Ministry of Education, Universities and Research (MIUR) for University Professor position recruitment (validity of the qualification: from Dec 2013 to Dec 2019)</p> <p>Italian Ministry of Education</p>
<p><u>Dates</u></p> <p><u>Title of qualification awarded</u></p> <p><u>Name and type of organization providing qualification awarded</u></p>	<p>From April 2005</p> <p>Teaching Assistant as an expert in the field of histology and veterinary anatomy (Italian 'cultore della materia'), playing a supportive role involving grading, review sessions, and labs, Since 2005, the qualification has been confirmed in Jan 2007, Dec 2011, Jan 2012 from the boards of the specific courses in which Dr. Lodde has participated.</p> <p>Faculty of Veterinary Medicine, University of Milan, Italy</p>

Teaching activities
As tenured teacher
Or tenured faculty member

Course in 'Biology' of the first year of the School of 'Animal production sciences' (University of Milan)
academid year: 2017/2018

Course in 'Digital imaging and image integrity in scientific publication' within the PhD course of Veterinary and Animal Sciences (University of Milan)
academid year: 2013/2014, 2014/2015, 2015/2016 and 2016/2017

Taught module of Anatomy within the course of 'Proactive management in dairy cattle, technological and managerial aspects for pathologies prevention' of the 5th year of the 'School of Veterinary Medicine'(University of Milan)
academid year: 2012/2013

Seminars within the course of "Topics on Reproductive Biology and Biotechnology", which will be offered under Prof. Jose Buratini responsibility to PhD and master students from Sao Paulo State University, Universidade Estadual Paulista (UNESP). Campus de Botucatu. Instituto de Biociências (IBB). Botucatu, Brazil. August 2015. Seminar Title: Oocyte biology and in vitro embryo production technologies.

Teaching activities
(supportive role involving
grading, review sessions, and
labs,

Course of 'Anatomy of domestic animals' - School of 'Animal Husbandry and Welfare' (University of Milan)
Tenured Professor: by Prof. A.M. Luciano.
academid year: 2012/2013, 2013/2014, 2014/2015, 2015/2016

Course of 'Biology' of the first year of the School of 'Animal production sciences' (University of Milan)
Tenured Professor: by Prof. A.M. Luciano.
academid year: 2013/2014, 2014/2015, 2015/2016

Course of 'Systematic and comparative veterinary anatomy - 'School of Veterinary Medicine (University of Milan)
Tenured Professor: S.C. Modena
academid year: 2012/2013, 2013/2014,

Course of 'Systemic and topographic veterinary anatomy' - School of Veterinary Medicine (University of Milan)
Tenured Professor: Antonio Lauria
academid year: 2006/2007; 2007/2008; 2008/2009

Course of 'Veterinary Hystology and Embryology' - School of Veterinary Medicine (University of Milan)
Tenured Professor: Alberto M. Luciano
academid year: 2006/2007; 2007/2008; 2008/2009

Course of 'In vitro models applied to animal reproduction' – PhD course Health and Animal Sciences: Science, Technology and Biotechnology (university of Milan)
Tenured Professor: Alberto M. Luciano
academid year: 2005/2006 2006/2007; 2007/2008; 2008/2009

Tutoring Activities
(Master students)

Lavinia Bertolani (AA: 2015/2016)

Degree in Animal Husbandry and Welfare (University of Milan)
"Effetto dell'inibizione dei recettori nPR e PGRMC1 durante la maturazione in vitro dell'ovocita di bovino"

Giulia Salvadori (graduation expected in AA: 2015/2016)

Master degree in Veterinary Biotechnology (University of Milan)
"Gene expression profile in cumulus cells in relation to oocyte developmental competence"

Fabio Barbieri (AA: 2014/2015)

Degree in Veterinary Biotechnology (University of Milan)
"Analysis of the activity of glucose-6-phosphate dehydrogenase for a morpho-functional approach in the evaluation of competence development of bovine oocyte"

Valentina Baruffini (AA: 2014/2015)

Degree in Veterinary Biotechnology (University of Milan)
"Development of a culture system to improve in vitro production of cattle embryo"

Giulia Sivelli (AA: 2014/2015)

Master Degree in 'Molecular Biology of the Cell' (University of Milan)
"Study on the role of Progesterone Receptor Membrane Component 1 in mammalian fertility"

Ana Caroline Silva Soares (graduated in March 2016)

DVM candidate School of Veterinary Medicine, Sao Paulo State University (UNESP), Botucatu, Brazil
"Development of a physiological prematuration culture system to improve in vitro production of cattle embryo"

Angela Yuan (2010)

2011 - MD Candidate class 2015 (University of Connecticut Health Center)

Elisa Zuccari (AA: 2009/2010)

School of Veterinary Medicine (University of Milan)
"Caratterizzazione dei processi di metilazione del DNA e di acetilazione istonica durante il differenziamento dell'ovocita di bovino"

Ferraioli Stefania (AA: 2005/2006)

Biological Sciences (University of Milan)
"L'ovocita artificiale di bovino dopo trasferimento della vescicola germinale: un modello per lo studio delle relazioni nucleo-citoplasma"

Cantarelli Maria Grazia (AA: 2004/2005)

Biological Sciences (University of Milan)
"Molecole coinvolte nell'acquisizione alla competenza allo sviluppo dell'ovocita nella specie bovina: ruolo del glutatione e della Connessina 43"

Franciosi Federica (AA: 2004/2005)

School of Veterinary Medicine (University of Milan)
"Ricostruzione dell'ovocita di bovino a seguito di trasferimento della vescicola germinale e crioconservazione: un modello per lo studio delle interazioni nucleo-citoplasma"

Aru Mariella (AA: 2003/2004)

Biological Sciences (University of Milan)
"Organizzazione citoplasmatica e competenza allo sviluppo dell'ovocita bovino crioconservato senza le cellule del cumulo ooforo"

	<p><u>Pirani Silvia</u> (AA: 2003/2004) School of Veterinary Medicine (University of Milan) <i>“Espressione di proteine giunzionali e competenza allo sviluppo in vitro dell’ovocita di pecora prepubere”</i></p> <p><u>Galbusera Cristina</u> (AA: 2003/2004) Biological Sciences (University of Milan) <i>“Organizzazione della cromatina nell’ovocita immaturo ed acquisizione della competenza allo sviluppo embrionale nella specie bovina”</i></p>
<p><u>Tutoring Activities</u> (PhD students)</p>	<p><u>Dr. Laura Terzaghi</u> (expected graduation in AA 2016/2017) PhD course of Veterinary and Animal Sciences (Class 30), (University of Milan). <i>“Progesterone Receptor Membrane Component-1 (PGRMC1) in cell division: its role in bovine granulosa cells mitosis”</i></p> <p><u>Dr. Cecilia Dieci</u> (expected graduation in AA 2016/2017) PhD course of ‘Veterinary and Animal Sciences’ (Class 28), (University of Milan). <i>“Identification of molecular markers of oocyte developmental competence”</i></p> <p><u>Dr. Remi Labreque</u>, (AA 2013/2014) PhD course in ‘Animal Sciences’ (University of Laval, Canada). <i>“Analysis of oocyte competence by transcriptomic analysis”</i></p> <p><u>Dott. Irene Tessaro</u> (AA 2009/2010) PhD course in ‘Biotechnology applied to Veterinary Sciences’ (Class XXII), (University of Milan). <i>“La bovina da latte come modello per lo studio del precoce invecchiamento ovarico: aspetti morfologici e molecolari”</i></p> <p><u>Dott. Federica Franciosi</u> (AA 2008/2009) PhD course in ‘Biotechnology applied to Veterinary Sciences’ (Class XXI), (University of Milan). <i>“Interazioni nucleo-citoplasmatiche e differenziamento cellulare nel gamete femminile della specie bovina”.</i></p>
Awards	
<p><u>Dates</u></p>	<p>July 2012 (at the 46th Annual Meeting of the Society for the Study of Reproduction, Montréal, Québec, Canada)</p>
<p><u>Title of qualification awarded</u></p>	<p>Recipient of the 2012 Larry Ewing Memorial Trainee Travel Fund (LEMTTF)</p>
<p><u>Name and type of organization providing qualification awarded</u></p>	<p>Society for the Study of Reproduction (SSR) business office</p>
<p><u>Dates</u></p>	<p>August 2010 (at the FASEB Summer Research Conference entitled “Physiology of Integrated Nuclear and Extra nuclear Steroid Signaling Conference, Snowmass Village, Colorado, USA)</p>
<p><u>Title of qualification awarded</u></p>	<p>Travel Awards for FASEB Summer Research Conferences</p>
<p><u>Name and type of organization providing qualification awarded</u></p>	<p>Federation of American Societies for Experimental Biology (FASEB)</p>

<u>Dates</u>	August 2010 (at the FASEB Summer Research Conference entitled “Physiology of Integrated Nuclear and Extra nuclear Steroid Signaling Conference, Snowmass Village, Colorado, USA)		
<u>Title of qualification awarded</u>	Travel Awards for FASEB Summer Research Conferences		
<u>Name and type of organization providing qualification awarded</u>	Federation of American Societies for Experimental Biology (FASEB)		
<u>Dates</u>	July 2010 (at the 43rd Annual Meeting of the Society for the Study of Reproduction, Milwaukee, Wisconsin, USA)		
<u>Title of qualification awarded</u>	Recipient of the 2010 Larry Ewing Memorial Trainee Travel Fund (LEMTTF)		
<u>Name and type of organization providing qualification awarded</u>	Society for the Study of Reproduction (SSR) business office		
<u>Dates</u>	November 2009 (at the 44 th International Symposium of Animal Production entitled ‘Impact and perspective of biology and technology of Animal Reproduction’, Milan, Italy)		
<u>Title of qualification awarded</u>	Bonadonna Award for the best poster		
<u>Name and type of organization providing qualification awarded</u>	Examining Board for the Bonadonna award		
<u>Dates</u>	August 2008 (at the 13 th International Congress of Histochemistry and Cytochemistry in Gdansk, Poland)		
<u>Title of qualification awarded</u>	The Young Histochemist Award		
<u>Name and type of organization providing qualification awarded</u>	The International Federation of Histochemistry and Cytochemistry		
<u>Dates</u>	April 2006		
<u>Title of qualification awarded</u>	Awarded with the L’OREAL-UNESCO For women in Science national fellowship		
<u>Name and type of organization providing qualification awarded</u>	Italian jury of the L’OREAL-UNESCO For women in Science programme. Chairman of the jury: Professor Umberto Veronesi, scientific director of the European Institute of Oncology		
Personal skills and competences			
<u>Mother tongue(s)</u>	Italian		
<u>Other language(s)</u>	English		
<u>Self-assessment</u>	Understanding	Speaking	Writing

<u>European level (*)</u>	Listening		Reading		Spoken interaction		Spoken production			
English	B2	Independent user	B2	Independent user	B2	Independent user	B1	Independent user	B2	Independent user

(*) *Common European Framework of Reference for Languages*

<u>Social skills and competences</u>	<p>Good ability to adapt to multicultural environments, gained through my work experience and training abroad and through participation at international meetings and events.</p> <p>Good communication skills gained through my experience as Teaching Assistant and as L'OREAL-UNESCO For Women in Science Fellow. As a L'OREAL For Women in Science Fellow I have also acquired good attitude in promoting science through the participation in events such as "The days of Science" (I Giorni della Scienza) aimed to promote the public understanding of science among undergraduate students.</p> <p>Determination and self-motivation</p>
<u>Organizational skills and competences</u>	<p>Leadership and good experience in team management gained through my experience in teaching and tutoring of undergraduate and Ph.D. students.</p> <p>Good sense of organization gained through 10 years of work in research laboratories</p>
<u>Technical skills and competences</u>	<ul style="list-style-type: none"> - Refined Techniques of in vitro embryo production; - Techniques of microinjection of oocyte with particular interest to the study of intercellular gap junction-mediated communications (dye coupling); - Techniques of siRNA-mediated gene silencing in oocytes, including micro-Western blotting for the study of protein expression in limiting sample amount; - Refined molecular biology techniques for the study of gene expression in oocytes, using limiting amount of starting material and cultured cells including RNA extraction and retro-transcription, RNA amplification, microarray, quantitative Real Time PCR; - Refined techniques of in vitro cell culture; - Techniques of siRNA-mediated gene silencing and plasmid transient transfection in cultured cells; biochemical techniques including SDS-PAGE and western blotting; - Techniques of immuno-precipitation and in situ Proximity Ligation Assay (PLA) for the study of protein-protein interaction in in vitro cultured cells; - Techniques of immunofluorescence microscopy and confocal laser scanning analysis on cultured cells and "whole mount" samples (oocytes and embryos). - Evaluation of transcriptional activity by tritiated uridine incorporation and further autoradiography. - Techniques of light and transmission electron microscopy analysis. - Techniques of Cryopreservation of oocytes with slow and "ultra-rapid" techniques.
<u>Computer skills and competences</u>	<p>Good command of Macintosh and Windows platforms</p> <p>Good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™)</p> <p>Good knowledge of graphic applications (PhotoShop™, ImageJ™, IVison™)</p> <p>Good knowledge of statistic applications (GraphPad™, Prism™)</p> <p>Others: database searching; Endnote™, acquaintance with Internet.</p>

<u>Artistic skills and competences</u>	Photography gained through amateur courses
<u>Additional skills and competences</u>	Swimming
<u>Driving licence</u>	Italian (class B) and USA (class D) driver license
Additional Information	
<u>Membership of professional organization</u>	<p>Since 2012, Marie Curie Alumni Association (https://www.mariecuriealumni.eu)</p> <p>Since 2007, Society for the study of Reproduction (USA);</p> <p>Since 2007, Italian Society of Histochemistry (Italy);</p> <p>Since 2006, Italian Society of Veterinary Morphologists (Italy);</p> <p>Since 2004, International Embryo Transfer Society (USA)</p>
<u>Scientific Collaborations</u>	<ul style="list-style-type: none"> • Prof. Marc-Andre Sirard Departement des Sciences Animales University of Laval, Ste-Foy, and Embryogene Network, Quebec, (Canada) (UniMI Agreement for International Cooperation) • J.J. Peluso, Department of Obstetrics and Gynecology & Department of Cell Biology, University of Connecticut Health Center, CT (USA) • Rita Vassena, EUGIN Fertility Clinic, Barcelona, Spain • Prof. Cesare Galli, Dr. Giovanna Lazzari, AVANTEA - Laboratorio di Tecnologie della Riproduzione (LTR), Cremona (Italy) • Prof. David F. Albertini, Institute for Reproductive Health and Regenerative Medicine, University of Kansas Medical Center, Kansas City, KS (USA) • Prof. Maurizio Zuccotti Laboratory of Developmental Biology, University of Pavia and University of Parma • P. Maddox-Hyttel, Department of Basic Animal and Veterinary Sciences, Faculty of Life Sciences, Royal Veterinary and Agricultural University, Copenhagen (Denmark) • B. Barboni, V. Russo, Department of Comparative Biomedical Sciences, University of Teramo, Teramo (Italy). • S. Naitana, G. Leoni, Department of Animal Biology, University of Sassari, Sassari (Italy). • Milena Slezakova, Agrovyzkum Rapotin Ltd Centre, (Czech Republic)
Funding and on going projects	
<u>Project title</u>	Focus on zinc function in oocyte development to improve reproductive performance in dairy cattle (Zinc-oo)
<u>Principal Investigator</u>	Valentina Lodde
<u>Funding Agency</u>	Organisation for Economic Co-operation and Development (OECD)
<u>Funding Programme</u>	2016 Co-operative Research programme: Biological Resources Management for Sustainable Agricultural systems – Fellowship award Programme 2016

<u>Project title</u>	Role of Progesterone Receptor Membrane Component-1 in the regulation of mammalian Cytokinesis
<u>Principal Investigator</u>	Valentina Lodde
<u>Funding Agency</u>	University of Milan
<u>Funding Programme</u>	University of Milan funding programme for young researcher (2014)
<u>Project title</u>	Role of Progesterone Receptor Membrane Component-1 in oogenesis and mammalian fertility (PRO-OVUM)
<u>Principal Investigator</u>	Valentina Lodde (Scientific Coordinator of the Host Institution Prof. Alberto M. Luciano)
<u>Funding Agency</u>	European Union - Research Executive Agency (REA)
<u>Funding Programme</u>	'Marie Curie Career Integration Grant FP7-(PEOPLE-2011-CIG) – 7th Framework Programme contract (2012-2015)
Participation in research projects	<p><u>Regione Autonoma della Sardegna e Regione Lombardia, Accordo di collaborazione alla cooperazione scientifica e tecnologica nelle aree tematiche biotecnologiche e ICT, Prog. "Ex Ovo Omnia", Grant n. 26096200 (Dec 2011-Jul 2014)</u></p> <p>Scientific Coordinator: Alberto M. Luciano Project: Development of physiological systems for oocyte in vitro maturation in domestic mammals for the purpose of improving the efficiency of assisted reproductive biotechnologies.</p> <p><u>Dr. Lodde's contribution:</u> Research activities in the development of pre-maturation and in vitro maturation systems of pig and horse oocytes and effects on the process of chromatin remodeling.</p>
	<p><u>EmbryoGENE Network (Jun 2011 - Dec 2013) Departement des Sciences Animales, Universite Laval, Quebec, CANADA</u></p> <p>Scientific Coordinators: Marc-Andre Sirard (UniLaval); Alberto M. Luciano (UniMI); Project: Development of a transcriptomic platform to identify markers that can predict mammalian oocyte competence.</p> <p>Dr. Lodde's contribution: Proposal drafting and research activities focused on large scale chromatin remodelling in bovine oocyte and transcriptomics profiles in oocyte and cumulus cells. In particular Dr Lodde collected all the samples in Milan, joined Prof Sirard Lab at the University of Laval to conduct the microarray analysis July/August 2012, Trained Dr Cecilia Dieci who is the PhD student currently involved in the project on microarray techniques and data analysis, trained Dr Remi Labreque, the Canadian PhD student that is currently involved in the project on the assessment of chromatin configuration in bovine oocytes.</p>

CREBION (Research Contract Grant: Guna Spa) (Sept 2012 - Dec 2013)

Scientific coordinator: Alberto M. Luciano

Project: Study of low-dose hormone therapy in the polycystic ovarian syndrome (PCOS) in the mouse

Dr. Lodde's contribution: Research activities focused on the assessment of the effect of low dose hormone administration in Polycystic Ovarian Syndrome (PCOS) induced in mouse as animal model.

Research contract BIOGENESI - Centre of Reproductive Medicine, (Dec 2011- Aug 2012)

Scientific coordinator: Alberto M. Luciano

Project: Development of a physiological prematuration system to improve mammalian oocyte in vitro developmental competence.

Dr. Lodde's contribution: Research activities in the development of pre-maturation culture system of bovine oocytes and effects on the process of chromatin remodeling and developmental competence.

CONSORZIO MILANO RICERCHE (Research Contract Grant: Guna Spa) (Apr 2011 - Dec 2011)

Scientific coordinator: Alberto M. Luciano

Project: Study of low-dose hormone therapy in the polycystic ovarian syndrome (PCOS) in the mouse

Dr. Lodde's contribution: Research activities focused on the assessment of the effect of low-dose hormones on Polycystic Ovarian Syndrome (PCOS) induced in mouse as animal model.

National Institute of Health (NIH)-R21 (RR030264) (2010-1012)

Principal Investigator: John J. Peluso

Project: PGRMC1 function in female reproductive physiology

Dr. Lodde's contribution: research activity focused on the understanding of PGRMC1 Mechanism of Action in ovarian physiology

NIH/NICHD - RO1 (HD052740) - September 2007 – August 2012

Principal Investigator: John J. Peluso

Project: PAIRBP1 & PGRMC1 act as a membrane receptor complex to mediate P4's action

Dr. Lodde's contribution: research activity focused on the understanding of PGRMC1 Mechanism of Action in ovarian physiology

FP6 "Consortium REPROTECT" (Jun 2008 - Jan 2010) Contract n. LSHB-CT-2004-503257- (<http://www.reprotect.eu/>)

Principal investigator: Alberto M. Luciano, Team leader (Partner n. 38).
Project: Development of a novel approach in hazard and risk assessment of reproductive toxicity by a combination and application of in vitro, tissue and sensor technologies.

ReProTect is an Integrated Project of the EU (IP) funded within the 6th Framework Programme of the EC (Coordinator: Prof. Michael Schwarz, (EKUT) University of Tuebingen, Institute of Pharmacology and Toxicology, Department of Toxicology, Tuebingen, Germany).

Dr. Lodde's contribution: research activity related to collection and culture of oocyte sample

Ateneum research grant PUR 2008-5284002-27, University of Milan (Jan 2009 - Dec 2009)

Principal investigator: Alberto M. Luciano
Project: Role of Progesterone Receptor Membrane Component-1 (PGRMC-1) in oocyte vitality and competence.

Dr. Lodde's contribution: research activity focused on the understanding of PGRMC1 Mechanism of Action in oocyte meiotic division

Ateneum research grant PUR 2007 University of Milan (Jan 2008-Dic 2008)

Principal investigator: Alberto M. Luciano
Project: Nuclear Transplantation in the bovine as a model of ooplasmic transplantation for the treatment of ageing related errors in the oocyte.

Dr. Lodde's contribution: Research activities focused on the assessment of mitochondrial activity and localization after ooplasm transplantation.

PRIN 2005 - PROT. 2005073071-003 (20/01/2006 - 08/03/2008)

Principal investigator: Alberto M. Luciano
Project: Nuclear and cytoplasmic events accompanying bovine oocyte developmental competence acquisition.

Dr. Lodde's contribution: research activities to identify markers to study molecular events involved in oocyte developmental capacity acquisition, starting from the characterization of chromatin remodeling process, in order to explore the event and the mechanisms involved in the female gamete differentiation.

Invited talks

2017 Conference series of the 'Centre de recherche en reproduction, développement et santé intergénérationnelle - University of Laval' March 14th 2017 Quebec (Canada)

Invited lecture entitled 'Insight into Progesterone Receptor Membrane Component 1's role in regulating bovine oocyte meiosis and granulosa cells mitosis'

2016 Joint symposium of the Italian Society of microscopy and Italian Society of Histochemistry entitled 'Nuclear structure and dynamics, through the microscopes', July 7th-8th 2016, Pavia, Italy.

Invited plenary lecture entitled 'Dynamics and regulatory mechanisms involved in immature oocyte chromatin remodeling'

2016 ESHRE Campus Symposium - Oocyte maturation: from basics to clinic. 3-5 March 2016, Brussel, Belgium. Oral presentation (selected abstract)

entitled "Gene expression profile of cumulus cells investment of bovine oocytes at different stage of differentiation based on the degree of their chromatin compaction"

X National Conference of the Italian Society of Italian Morphologist (AMV). May 21st 2015, Rome, Italy. Oral presentation entitled 'Functional

assessment of Progesterone Receptor Membrane Component 1 (PGRMC1) activity during bovine oocyte meiosis'

36th Conference of the Italian Society of Histochemistry and 61st conference the Italian Embryologists Group. June 7th -10th 2015 Pisa, Italy Oral

presentation entitled 'Progesterone Receptor Membrane Component 1 (PGRMC1) action during bovine oocyte meiosis: a functional study'.

Scientific workshop in memory of Maria Gabriella Manfredi Romanini entitled 'Il genoma e la sua espressione, al microscopio: l'eredità di Maria Gabriella Manfredi Romanini', Organized by the 'Istituto Lombardo, Accademia di Scienze e Lettere Milano'. March 12th 2015, Palazzo di Brera, Milan, Italy. Invited talk entitled 'On the chromatin of the immature oocyte: from morphology to function and regulatory mechanisms mediated by follicular cells'

Clinica EUGIN clinic scientific meeting. October 1st 2014, Clinic Eugin

Barcelona, Spain. Invited seminar entitled 'Large-scale chromatin configuration as a marker of oocyte competence: toward a customized culture system'.

In and Out of Active Brains: Go and Bring your Brain Back: First Scientific Workshop Marie Skłodowska-Curie Actions. May 23rd 2014, Milan, Italy.

Invited talk entitled: 'Role of Progesterone Receptor Membrane Component-1 in oogenesis and mammalian fertility (PRO-OVUM Project Scientific advancement)'

EpiConcept Workshop 2014 entitled: 'Epigenomic Toolbox: from Methods to Models', within the EPICONCEPT COST Action FA1201. May 7th -9th 2014, Las Palmas, Spain. Invited plenary lecture entitled 'Oocyte large-scale chromatin

configuration remodelling: state of the art and perspectives.'

Ex Ovo Omnia Scientific Meeting. October 29th 2012, Milan Italy. Invited lecture entitled: 'Intercellular coupling and chromatin configuration state in horse oocyte-cumulus cells complexes of different origins'

34th Congress of the Italian Society of Histochemistry: June 7-9, 2011; San Benedetto del Tronto (Italy). Invited lecture entitled "A novel role for

Progesterone Receptor Membrane Component 1 (PGRMC1) in regulating mitosis and meiosis"

Workshop entitled: 'How to write a successful proposal within the People Program'; May 12-13; Rome Italy. Organized by APRE (Agenzia per la

Promozione della Ricerca Europea, Agency for the promotion of European Research), Italian National Contact Point for the Seventh framework Programme

FASEB Summer Research Conferences The physiology of integrated nuclear and extranuclear steroid signaling: August 8-13, 2010; Snowmass Village, Colorado (USA). Poster presentation entitled “Progesterone and Progesterone Receptor Membrane Component 1 regulates microtubules stability during mitosis of normal and cancerous ovarian cells”

43th Annual Meeting of the Society for the Study of Reproduction: July 30-August 8, 2010; Milwaukee, Wisconsin (USA). Invited platform (oral) presentation entitled “A novel role for Progesterone Receptor Membrane Component 1 in regulating microtubules dynamics during rat granulosa cells mitosis”

42th Annual Meeting of the Society for the Study of Reproduction: July 18-22, 2009; Pittsburg, Pennsylvania (USA). Poster presentation entitled “Role of gap junction-mediated communications as regulators of large-scale chromatin remodeling during final differentiation of bovine oocyte”.

13th Congress of the International Federation of Societies for Histochemistry and Cytochemistry: August 23-27, 2008; Gdansk (Poland). Poster presentation entitled “Large-scale chromatin remodeling and DNA methylation in immature bovine oocyte during the later phase of growth and differentiation”.

Reviewer activities

- Biology of Reproduction (Print ISSN: 0006-3363)
- Reproduction (Print ISSN: 1470-1626)
- Journal of Assisted Reproduction and Genetics (Print ISSN: 1058-0468)
- Reproduction in domestic animals (Online ISSN: 1439-0531);
- Reproduction Fertility and Development. (Print ISSN: 1031-3613)
- Theriogenology (Print ISSN: 0093-691X)
- Zygote (Print ISSN: 0967-1994)

Annex

- Annex 1 - List of publications

Annex 1

LIST OF SCIENTIFIC PUBLICATIONS

FULL PAPER

[1-37]

1. Soares AC, Lodde V, Barros RG, Price CA, Luciano AM, Buratini J. Steroid hormones interact with natriuretic peptide C to delay nuclear maturation, to maintain oocyte's cumulus communication and to improve the quality of in vitro-produced embryos in cattle. *Reprod Fertil Dev* 2017.
2. Lange-Consiglio A, Perrini C, Albini G, Modena S, Lodde V, Orsini E, Esposti P, Cremonesi F. Oviductal microvesicles and their effect on in vitro maturation of canine oocytes. *Reproduction* 2017; 154:167-180.
3. Franciosi F, Tessaro I, Dalbies-Tran R, Douet C, Reigner F, Deleuze S, Papillier P, Miclea I,

- Lodde V, Luciano AM, Goudet G. Analysis of Chromosome Segregation, Histone Acetylation, and Spindle Morphology in Horse Oocytes. *J Vis Exp* 2017.
4. Terzaghi L, Tessaro I, Raucci F, Merico V, Mazzini G, Garagna S, Zuccotti M, Franciosi F, Lodde V. PGRMC1 participates in late events of bovine granulosa cells mitosis and oocyte meiosis. *Cell Cycle* 2016; 15:2019-2032.
 5. Dieci C, Lodde V, Labrecque R, Dufort I, Tessaro I, Sirard MA, Luciano AM. Differences in cumulus cell gene expression indicate the benefit of a pre-maturation step to improve in vitro bovine embryo production. *Mol Hum Reprod* 2016.
 6. Tessaro I, Modena SC, Franciosi F, Sivelli G, Terzaghi L, Lodde V, Luciano AM. Effect of oral administration of low-dose follicle stimulating hormone on hyperandrogenized mice as a model of polycystic ovary syndrome. *J Ovarian Res* 2015; 8:64.
 7. Tessaro I, Modena SC, Crotti G, Franciosi F, Colleoni S, Lodde V, Galli C, Lazzari G, Luciano AM. Transferability and inter-laboratory variability assessment of the in vitro bovine oocyte fertilization test. *Reprod Toxicol* 2015; 51:106-113.
 8. Labrecque R, Lodde V, Dieci C, Tessaro I, Luciano AM, Sirard MA. Chromatin remodelling and histone m RNA accumulation in bovine germinal vesicle oocytes. *Mol Reprod Dev* 2015; 82:450-462.
 9. Franciosi F, Goudet G, Tessaro I, Papillier P, Dalbies-Tran R, Reigner F, Deleuze S, Douet C, Miclea I, Lodde V, Luciano AM. In vitro maturation affects chromosome segregation, spindle morphology and acetylation of lysine 16 on histone H4 in horse oocytes. *Reprod Fertil Dev* 2015.
 10. Modena SC, Tessaro I, Lodde V, Franciosi F, Corbani D, Luciano AM. Reductions in the number of mid-sized antral follicles are associated with markers of premature ovarian senescence in dairy cows. *Reprod Fertil Dev* 2014; 26:235-244.
 11. Franciosi F, Cotichio G, Lodde V, Tessaro I, Modena SC, Fadini R, Dal Canto M, Renzini MM, Albertini DF, Luciano AM. Natriuretic peptide precursor C delays meiotic resumption and sustains gap junction-mediated communication in bovine cumulus-enclosed oocytes. *Biol Reprod* 2014; 91:61.
 12. Peluso JJ, Yuan A, Liu X, Lodde V. Plasminogen activator inhibitor 1 RNA-binding protein interacts with progesterone receptor membrane component 1 to regulate progesterone's ability to maintain the viability of spontaneously immortalized granulosa cells and rat granulosa cells. *Biol Reprod* 2013; 88:20.
 13. Luciano AM, Franciosi F, Lodde V, Tessaro I, Corbani D, Modena SC, Peluso JJ. Oocytes isolated from dairy cows with reduced ovarian reserve have a high frequency of aneuploidy and alterations in the localization of progesterone receptor membrane component 1 and aurora kinase B. *Biol Reprod* 2013; 88:58.
 14. Lodde V, Franciosi F, Tessaro I, Modena SC, Luciano AM. Role of gap junction-mediated communications in regulating large-scale chromatin configuration remodeling and embryonic developmental competence acquisition in fully grown bovine oocyte. *J Assist Reprod Genet* 2013; 30:1219-1226.
 15. Dieci C, Lodde V, Franciosi F, Lagutina I, Tessaro I, Modena SC, Albertini DF, Lazzari G, Galli C, Luciano AM. The effect of cilostamide on gap junction communication dynamics, chromatin remodeling, and competence acquisition in pig oocytes following parthenogenetic activation and nuclear transfer. *Biol Reprod* 2013; 89:68.
 16. Peluso JJ, Lodde V, Liu X. Progesterone regulation of progesterone receptor membrane component 1 (PGRMC1) sumoylation and transcriptional activity in spontaneously immortalized granulosa cells. *Endocrinology* 2012; 153:3929-3939.
 17. Luciano AM, Lodde V, Franciosi F, Tessaro I, Corbani D, Modena S. Large-scale chromatin morpho-functional changes during mammalian oocyte growth and differentiation. *Eur J Histochem* 2012; 56:e37.
 18. Franciosi F, Lodde V, Goudet G, Duchamp G, Deleuze S, Douet C, Tessaro I, Luciano AM. Changes in histone H4 acetylation during in vivo versus in vitro maturation of equine oocytes. *Mol Hum Reprod* 2012; 18:243-252.

19. Tessaro I, Luciano AM, Franciosi F, Lodde V, Corbani D, Modena SC. The endothelial nitric oxide synthase/nitric oxide system is involved in the defective quality of bovine oocytes from low mid-antral follicle count ovaries. *J Anim Sci* 2011; 89:2389-2396.
20. Luciano AM, Franciosi F, Modena SC, Lodde V. Gap junction-mediated communications regulate chromatin remodeling during bovine oocyte growth and differentiation through cAMP-dependent mechanism(s). *Biol Reprod* 2011; 85:1252-1259.
21. Luciano AM, Corbani D, Lodde V, Tessaro I, Franciosi F, Peluso JJ, Modena S. Expression of progesterone receptor membrane component-1 in bovine reproductive system during estrous cycle. *Eur J Histochem* 2011; 55:e27.
22. Lodde V, Peluso JJ. A novel role for progesterone and progesterone receptor membrane component 1 in regulating spindle microtubule stability during rat and human ovarian cell mitosis. *Biol Reprod* 2011; 84:715-722.
23. Peluso JJ, Liu X, Gawkowska A, Lodde V, Wu CA. Progesterone inhibits apoptosis in part by PGRMC1-regulated gene expression. *Mol Cell Endocrinol* 2010; 320:153-161.
24. Modena S, Leoni GG, Lodde V, Naitana S, Pirani S, Succu S, Berlinguer F, Luciano AM. Involvement of E-cadherin in early in vitro development of adult and juvenile sheep embryos. *Reprod Fertil Dev* 2010; 22:468-477.
25. Luciano AM, Lodde V, Franciosi F, Cecilian F, Peluso JJ. Progesterone receptor membrane component 1 expression and putative function in bovine oocyte maturation, fertilization, and early embryonic development. *Reproduction* 2010; 140:663-672.
26. Luciano AM, Franciosi F, Lodde V, Corbani D, Lazzari G, Crotti G, Galli C, Pellizzer C, Bremer S, Weimer M, Modena SC. Transferability and inter-laboratory variability assessment of the in vitro bovine oocyte maturation (IVM) test within ReProTect. *Reprod Toxicol* 2010; 30:81-88.
27. Franciosi F, Perazzoli F, Lodde V, Modena SC, Luciano AM. Developmental competence of gametes reconstructed by germinal vesicle transplantation from fresh and cryopreserved bovine oocytes. *Fertil Steril* 2010; 93:229-238.
28. Luciano AM, Franciosi F, Lodde V, Perazzoli F, Slezakova M, Modena S. Cryopreservation of immature bovine oocytes to reconstruct artificial gametes by germinal vesicle transplantation. *Reprod Domest Anim* 2009; 44:480-488.
29. Luciano AM, Chigioni S, Lodde V, Franciosi F, Luvoni GC, Modena SC. Effect of different cryopreservation protocols on cytoskeleton and gap junction mediated communication integrity in feline germinal vesicle stage oocytes. *Cryobiology* 2009; 59:90-95.
30. Lodde V, Modena SC, Franciosi F, Zuccari E, Tessaro I, Luciano AM. Localization of DNA methyltransferase-1 during oocyte differentiation, in vitro maturation and early embryonic development in cow. *Eur J Histochem* 2009; 53:199-207.
31. Lodde V, Modena S, Maddox-Hyttel P, Franciosi F, Lauria A, Luciano AM. Oocyte morphology and transcriptional silencing in relation to chromatin remodeling during the final phases of bovine oocyte growth. *Mol Reprod Dev* 2008; 75:915-924.
32. Modena S, Borromeo V, Luciano AM, Lodde V, Franciosi F, Secchi C. Relationship between growth hormone concentrations in bovine oocytes and follicular fluid and oocyte developmental competence. *Eur J Histochem* 2007; 51:173-180.
33. Lodde V, Modena S, Galbusera C, Franciosi F, Luciano AM. Large-scale chromatin remodeling in germinal vesicle bovine oocytes: interplay with gap junction functionality and developmental competence. *Mol Reprod Dev* 2007; 74:740-749.
34. Slezakova M, Freharova K, Luciano AM, Lodde V, Beretta MS, Modena S, Lauria A, Kubica J. Ovarian response and quality of retrieved oocytes following administration of p-FSH and Pregnyl preparation, and survival of cow oocytes after cryopreservation. *Vyzkum v Chovu Skotu (Cattle Research)* 2006; 48:35-44.
35. Luvoni GC, Chigioni S, Perego L, Lodde V, Modena S, Luciano AM. Effect of gonadotropins during in vitro maturation of feline oocytes on oocyte-cumulus cells functional coupling and intracellular concentration of glutathione. *Anim Reprod Sci* 2006; 96:66-78.
36. Luciano AM, Lodde V, Beretta MS, Colleoni S, Lauria A, Modena S. Developmental capability of denuded bovine oocyte in a co-culture system with intact cumulus-oocyte complexes: role

of cumulus cells, cyclic adenosine 3',5'-monophosphate, and glutathione. *Mol Reprod Dev* 2005; 71:389-397.

37. Modina S, Beretta M, Lodde V, Lauria A, Luciano AM. Cytoplasmic changes and developmental competence of bovine oocytes cryopreserved without cumulus cells. *Eur J Histochem* 2004; 48:337-346.

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39. Luciano AM, Franciosi F, Dieci C, Tessaro I, Terzaghi L, Modina SC, Lodde V. Large-scale chromatin structure and function changes during oogenesis: the interplay between oocyte and companion cumulus cells. In: *28th Annual Meeting of the Brazilian Embryo Technology Society (SBTE)*, vol. 11. Natal, RN (Brazil): Animal Reproduction; 2014: 141-149.
40. Luciano AM, Franciosi F, Dieci C, Lodde V. Changes in large-scale chromatin structure and function during oogenesis: a journey in company with follicular cells. In: *Fourth Mammalian Embryo Genomics Meeting*, vol. 149, 2014/07/17 ed. Quebec City, Quebec (Canada): Animal Reproduction Science; 2014: 3-10.
41. Galli C, Colleoni S, Turini P, Crotti E, Dieci C, Lodde V, Luciano AM, Lazzari G. Holding equine oocytes at room temperature for 18 hours prior to in vitro maturation maintains their developmental competence. In: *XIth International Symposium on Equine Reproduction*, vol. 34. Hamilton, New Zealand: Journal of Equine Veterinary Science; 2014: 174-175.
42. Peluso JJ, DeCerbo J, Lodde V. Evidence for a genomic mechanism of action for progesterone receptor membrane component-1. In: *7th International Meeting on Rapid Responses to Steroid Hormones (RRSH 2011)*, vol. 77, 2012/02/14 ed. Crete, Greece: Steroids; 2012: 1007-1012.
43. Luciano AM, Lodde V, Franciosi F, Tessaro I, Lauria A, Modina SC. Chromatin remodeling, transcriptional activity and developmental competence during bovine oocytes growth and differentiation. In: Greppi GF, Mura S (eds.), *44th International Symposium, Impact and perspectives of biology and technology of Animal Reproduction*. Milano, Italy: Conference Proceedings; 2009: 16-29.
44. Borromeo V, Bramani S, Modina S, Lodde V, Luciano AM, Secchi C. The Effect of Species-Specific FSH Administration During In vitro Maturation of Bovine Oocytes on Embryonic Developmental Capability. In: *Lix Annual Meeting of the Italian Society for Veterinary Sciences (Sisvet)* vol. 30. Viareggio, Italy: Veterinary Research Communications; 2006: 167-169.

BOOK CHAPTER

[45-48]

45. Lodde V, Luciano AM, Franciosi F, Labrecque R, Sirard MA. Accumulation of Chromatin Remodelling Enzyme and Histone Transcripts in Bovine Oocytes. *Results Probl Cell Differ* 2017; 63:223-255.
46. Lodde V, Luciano AM, Franciosi F, Labrecque R, Sirard MA. Accumulation of chromatin remodelling enzyme and histone transcripts in bovine oocytes. In: Kloc M (ed.) *Oocytes - Maternal information and functions*, vol. in press: Springer; 2017.
47. Luciano AM, Lodde V. Changes of Large-Scale Chromatin Configuration During Mammalian Oocyte Differentiation. In: Coticchio G, Albertini DF, De Santis L (eds.), *Oogenesis*: Springer

London; 2013: 93-108.

48. Lodde V, Luciano AM. Role of Progesterone Receptor Membrane Component 1 in oogenesis and mammalian fertility. In: Uninon E (ed.) A decade of EU-funded animal production research, vol. 1. Brussels: European Commission, Directorate-General for Research and Innovation; Directorate E- Biotechnologies, Agriculture, Food; Unit E.4- Agriculture, Forest; Fisheries, Acquaculture; 2013: 36-37.

ABSTRACT IN INTERNATIONAL CONFERENCES

[49-90]

49. Silva Soares AC, Lodde V, Sanches L, Barros RG, de Lima PF, Price CA, Luciano AM, Buratini J. Follicular steroids cooperate with NPPC to delay nuclear maturation and to increase oocyte-cumulus communication in cattle. In: 30th Annual Meeting of Brazilian Embryo Technology Society (SBTE), vol. 13. Foz do Iguaçu, PR, Brazil; Animal Reproduction; 2016: 614.
50. Silva Soares AC, Lodde V, Luciano AM, Buratini J. Effects of follicle stimulating hormone (FSH) and amphiregulin (AREG) on meiosis dynamics and embryo production of bovine oocytes cultured in vitro. In: VI International Symposium on Animal Biology of Reproduction, vol. 14. Campos do Jordão, SP, Brazil; Animal Reproduction; 2016: 258.
51. Lodde V, Dieci C, Labrecque R, Dufort I, Sirard MA, Luciano AM. Gene expression profile of cumulus cells investment of bovine oocytes at different stage of differentiation based on the degree of their chromatin compaction. In: 2016 ESHRE Campus Symposium - Oocyte maturation: from basics to clinic. Brussel: Online conference proceedings; 2016.
52. Terzaghi L, Luciano AM, Merico V, Zuccotti M, Garagna S, Modena SC, Lodde V. Role of Progesterone Receptor Membrane Component-1 in regulating bovine granulosa cells mitosis: a preliminary study. In: 48th Annual Meeting of the Society for the Study of Reproduction (SSR), vol. online. San Joan, Puerto Rico (USA); 2015 SSR abstract proceedings; 2015: 252.
53. Silva Soares AC, Sanches L, Garcia Barros R, de Lima PF, Lodde V, Luciano AM, Price CA, Buratini J. Effects of follicle stimulating hormone (FSH) and amphiregulin (AREG) on meiosis dynamics of oocytes undergoing in vitro maturation. In: 29th Annual Meeting of Brazilian Embryo Technology Society (SBTE), vol. 12. Gramado RS, Brazil; Animal Reproduction; 2015: 586.
54. Luciano AM, Dieci C, Labrecque R, Dufort I, Tessaro I, Sirard MA, Lodde V. Gene expression profiles and functionality of bovine cumulus cells derived from oocytes with different chromatin configuration. In: 48th Annual Meeting of the Society for the Study of Reproduction (SSR), vol. online. San Joan, Puerto Rico (USA); 2015 SSR abstract proceedings; 2015: 199.
55. Lodde V, Tessaro I, Raucci F, Franciosi F, Terzaghi L, Modena SC, Peluso JJ, Luciano AM. Functional assessment of Progesterone Receptor Membrane Component 1 (PGRMC1) action during bovine oocyte meiosis by means of PGRMC1 inhibitor and small-interfering RNA mediated gene silencing. In: 48th Annual Meeting of the Society for the Study of Reproduction (SSR), vol. online. San Joan, Puerto Rico (USA); 2015 SSR abstract proceedings; 2015: 200.
56. Tessaro I, Franciosi F, Papillier P, Goudet G, Dalbies-Tran R, Douet C, Reigner F, Deleuze S, Lodde V, Luciano AM. Maturation conditions do not affect *Myst1*, *Hat1* and *Sirt1* mRNA abundance in horse oocytes. In: World Congress of Reproductive Biology. Edinburg, Scotland: Online Conference Proceedings; 2014: P045.
57. Lodde V, Tessaro I, Raucci F, Franciosi F, Marchese F, Modena SC, Peluso JJ, Luciano AM. Insight into Progesterone Receptor Membrane Component 1 (PGRMC1) action during bovine oocyte meiosis by means of small-interfering RNA mediated gene silencing. In: World Congress of Reproductive Biology. Edinburg, Scotland: Online Conference Proceedings; 2014: P044.

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60. Dieci C, Labrecque R, Lodde V, Tessaro I, Baruffini V, Lodi G, Modena SC, Sirard MA, Luciano AM. Morphological markers to select populations of oocytes with different cultural needs for dedicated pre-maturation systems. In: World Congress of Reproductive Biology. Edinburg, Scotland: Online Conference Proceedings; 2014: P036.
61. Tessaro I, Franciosi F, Lodde V, Corbani D, Luciano AM, Modena SC. Oxidative stress may impair oocyte quality in dairy cows of reproductive age with a reduced antral follicle count. In: 39th Annual Conference of the International Embryo Transfer Society (IETS), vol. 25. Hannover, Germany: Reproduction Fertility and Development; 2013: 274-274.
62. Tessaro I, Franciosi F, Coticchio G, Lodde V, Modena SC, Fadini R, Dal Canto MB, M. MR, Albertini DF, Luciano AM. Role of Natriuretic Peptide type C (CNP) in maintaining meiotic arrest and sustaining gap junction mediated communications and chromatin configuration changes in bovine cumulus enclosed oocytes. In: 46th Annual Meeting of the Society for the Study of Reproduction (SSR). Montreal, Quebec (Canada): Abstract proceedings of the SSR 46th annual meeting. Reproductive health: from nano to global; 2013: 209.
63. Lodde V, Colleoni S, Franciosi F, Dieci C, Tessaro I, Corbani D, Lazzari G, Modena SC, Galli C, Luciano AM. Intercellular coupling and chromatin configuration state in horse oocyte-cumulus cell complexes of different origins. In: 39th Annual Conference of the International Embryo Transfer Society (IETS), vol. 25. Hannover, Germany: Reproduction Fertility and Development; 2013: 241-241.
64. Lodde V, Colleoni S, Franciosi F, Dieci C, Tessaro I, Corbani D, Corlazzoli F, Lazzari G, Modena SC, Galli C, Luciano AM. Effect of cilostamide treatment on the intercellular coupling, meiotic and embryonic developmental competence in horse oocyte-cumulus cells complexes of different origins. In: 46th Annual Meeting of the Society for the Study of Reproduction (SSR). Montreal, Quebec (Canada): Abstract proceedings of the SSR 46th annual meeting. Reproductive health: from nano to global; 2013: 309-310.
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66. Franciosi F, Goudet G, Duchamp G, Reigner F, Deleuze S, Douet C, Tessaro I, Miclea I, Lodde V, Luciano AM. In vitro oocyte maturation in the mare is associated with decreased acetylation of H4K16, high incidence of aneuploidy and altered spindle morphology. In: 46th Annual Meeting of the Society for the Study of Reproduction (SSR). Montreal, Quebec (Canada): Abstract proceedings of the SSR 46th annual meeting. Reproductive health: from nano to global; 2013: 206.
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69. Marelli E, Dieci C, Lodde V, Franciosi F, Turini P, Crotti E, Lazzari G, Luciano AM, Galli C. Comparison between different maturation systems acting through the manipulation of cAMP

- dependent pathways in bovine oocytes. In: 17th International Congress on Animal Reproduction (ICAR), vol. 47. Vancouver, Canada: Reproduction in Domestic Animals; 2012: 528-528.
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 73. Luciano AM, Lodde V, Franciosi F, Peluso JJ. Progesterone Receptor Membrane Component-1 is localized with Aurora Kinase B During Oocyte Meiosis. In: Reproduction Bo (ed.) 43rd Annual Meeting of the Society for the Study of Reproduction (SSR), vol. 83. Milwaukee, Wisconsin (USA): Biology of Reproduction; 2010: 319-319.
 74. Lodde V, Peluso JJ. A novel role for Progesterone Receptor Membrane Component 1 in regulating microtubule Dynamics During rat granulosa cells mitosis. In: Reproduction Bo (ed.) 43rd Annual Meeting of the Society for the Study of Reproduction (SSR), vol. 83. Milwaukee, Wisconsin (USA): Biology of Reproduction; 2010: 161-161.
 75. Lodde V, Peluso JJ. Progesterone and Progesterone Receptor Membrane Component 1 regulates microtubules stability during mitosis of normal and cancerous ovarian cells. In: FASEB Summer Research Conferences The physiology of integrated nuclear and extranuclear steroid signaling, vol. Abstracts book. Snowmass Village, Colorado (USA): FASEB; 2010: Poster 20.
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 79. Lodde V, Modena SC, Franciosi F, Tessaro I, Luciano AM. Large-scale chromatin remodeling and DNA methylation in immature bovine oocyte during the later phase of growth and differentiation. In: 13th Congress of the International Federation of Societies for Histochemistry and Cytochemistry, vol. 46 Suppl. 2. Gdansk, Poland: Folia Histochemica et Cytobiologica; 2008: S117.
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