




INFORMAZIONI  
PERSONALI

 Pasqualino Loi  
Professore Ordinario di Fisiologia Veterinaria

 Facoltà di Medicina Veterinaria, Piazza Aldo Moro 45,  
 Teramo 

[www.unite.it](http://www.unite.it)

Nazionalità Italiana

 ESPERIENZA  
PROFESSIONALE

## ISTRUZIONE E FORMAZIONE

1980-86- Laurea in Medicina Veterinaria presso l'Università di Sassari con 110 e lode  
 Studi Post-Universitari: 1987-1990, Università di Sassari, Istituto di Fisiologia Veterinaria, dottorato di ricerca in Fisiologia della riproduzione  
 Posizioni Post-dottorali:  
 1990-1991, sperimentatore presso l'Istituto Zootecnico e Casario (SS)  
 1992-1994, stage presso il Roslin Institute, Scozia, UK, nel laboratorio dei Profs. Ian Wilmut and Keith Campbell.  
 1994 -settembre 1995: studi sull'analisi dell'espressione genica mediante la tecnica dell'ibridazione in situ presso l'University of Newcastle upon-tyne, nell'ambito di un corso organizzato dall'EMBO (European Molecular Biology Organization)  
 1995-November 2000, coordinatore del laboratorio di biotecnologie dell'Istituto Zootecnico e Casario (SS).  
 Dal novembre 2000 professore associato di Fisiologia presso la facoltà di Medicina Veterinaria di Teramo.  
 La principale linea di ricerca del Prof. Loi è la Fisiologia della Riproduzione, in particolare l'embriologia sperimentale applicata ai ruminanti domestici e selvatici.  
 La sua linea di ricerca attuale sono i meccanismi di riprogrammazione nucleare di cellule somatiche.

Incarichi presso Istituzioni di Ricerca Europee/Internazionali:

Vice presidente della sessione Fisiologia della European Association for Animal Production, 1998-2001.

Membro dell'Advisory Board del Centro di Eccellenza "Center of Excellence in Genomic and Biotechnology for Improving Functional Traits in Farm Animals and Theirs Products" dell'Accademia delle Scienze Polacca, (VI programma quadro dalla Comunità Europea).

Membro dell'Advisory Board Centre of Excellence Europeo ANIMBIOGEN – 2009-2012, VII Programma Quadro della EU

Referee (expert list) del VI programma EU

Referee per l'European Science Foundation (EFS).

Referee della European Research Council (ERC), valutatore dei progetti di ricerca del programma IDEAS del VII programma EU.

Referee del programma Marie Curie del VII programma EU.

Referee per l'United States -Israel Binational Science Foundation (BSF)

Referee per il Medical Research Council (MRC) UK

Referee per il Ministero della Ricerca Scientifica, Danimarca

Referee per il Ministero della Ricerca Scientifica, Cipro

Referee per il Ministero della Ricerca Scientifica, Belgio

Membro del Managing Committee del programma EU COST – Gemini, VII programma Quadro – 2008-2011.

Editorial board delle riviste:

Cellular Reprogramming. ISSN: 2152-4971

Animal Science Papers and Reports. ISSN 0860-4037

Journal of Reproduction and Development; ISSN: 1348-4400

Ad hoc referee per seguenti riviste Scientifiche Internazionali:

Biology of Reproduction, Reproduction, Theriogenology, Gene, Trends in Biotechnology Cloning and Stem Cells, Reproduction Fertility and Development, Reproduction in Domestic animals, Genomics, PLoS ONE.

Il Prof. Loi ha coordinato/partecipato come PI (Principal Investigator) a progetti di ricerca finanziati dal MIUR (PRIN e FIRB), Europei, European Science Foundation (ESF) e del VI e VII programma Quadro della EU ed Internazionali United States Department of Agriculture (USDA).

## **ATTIVITÀ DI COORDINAZIONE DELLA RICERCA**

dal 2000 al 2020

## **PRODUZIONE SCIENTIFICA**

La principale linea di ricerca del Prof. Loi è la Fisiologia della Riproduzione, in particolare l'embriologia sperimentale applicata ai ruminanti domestici e selvatici. Il Prof. Loi si occupa da oltre 20 anni di studi sulla riprogrammazione nucleare in seguito a trapianto di cellule somatiche in oociti enucleati.

## **ATTIVITA' EDITORIALE**

Complessivamente le ricerche svolte dal Prof. Loi si sono concretizzate nella pubblicazione di oltre 180 memorie bibliografiche di cui 85 su riviste ISI con Peer Review e 5 Capitoli di libro

**Per le pubblicazioni si veda il seguente link:**

[http://scholar.google.it/citations?user=VYcw\\_fAAAAAJ](http://scholar.google.it/citations?user=VYcw_fAAAAAJ)

**Coordinamento progetti di ricerca**

PRIN 2007MY2M92 (Italian Ministry of Education grant): Regulation of placental angiogenesis in normal and in vitro produced embryos. – completed (Coordinator G. Ptak) . 120000 euro

PRIN 2009 Induzione e valutazione della toti/pluri/multipotenzialità in linee cellulari embrionali, fetali e somatiche in alcune specie di interesse veterinario. P. Loi.173000

FIRB-CNR, Progetto “GenHome”: Genomic resort <http://www.genhome.eu/>- 768000 euro

Progetti EU e Internazionali

European Science Foundation grant “Stellar” 2004-007 “Novel approaches to enhance animal embryonic stem cell and nuclear reprogramming research” acronym; EUROCORES Programme EuroSTELLS, supported by funds from the European Commission Sixth Framework Programme under contract no. ERAS-CT-2003-980409; 154000 euros

7FP IDEAS ERC-2007-StG GA 210103: Expression and Methylation Status of Genes Regulating Placental Angiogenesis in Normal, Cloned, IVF and Monoparental Sheep Foetuses. - completed in 2012 (Coordinator Dr. G.Ptak). 366000

United States Department of Agriculture (USDA) “Proposal#2007-01215 “Deregulation of Placenta vascular development in ART-derived sheep foetuses-“ 350.000 \$

Co-PI European Community, 7FP. KBBE-2009-1-1-03, 2010: Optimisation of methods to maintain farm animal biodiversity. Title: Next generation methods to preserve farm animal biodiversity by optimizing present and future breeding options, Acronym “NextGene” – coordinator of Teramo Unit P. Loi. 135000 euro

European Union FA COST Action FA1201 Epigenetics and Periconception Environment ; 2013-2017

European Union’s Horizon 2020 research and innovation programme (H2020) Twinning action GA 698165 “EraofArt” 28000 euro; 2016-2020

European Union’s Horizon 2020 research and innovation programme (H2020) No 734434 MSCA Action “RISE”, “DryNet”; 850000 euro; 2017-2021

European Union’s Horizon 2020 research and innovation programme (H2020) H2020 MSCA-IF-2’16, GA 749537; 185000 euro; 2017-201

European Union COST Action CA16119 “3D-Cell Fit”; 2017-2020; Budget dipendente dal numero delle partecipazioni ai convegni.

COMPETENZE  
PERSONALI

[Rimuovere i campi non compilati.]

Lingua madre Italiano

Altre lingue

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Inglese C2  
Francese C1 Patente di guida C  
Spagnolo B2  
Polacco A2

Dati personali Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

Si dichiara, ai sensi delle norme in materia di dichiarazioni sostitutive di cui agli art. 46 e seguenti del DPR 445/2000 e s.m.i, che tutto quanto dichiarato nel presente curriculum corrisponde al vero. La sottoscritta dichiara che quanto riportato nel presente Curriculum Vitae è reso ai sensi e per gli effetti degli articoli 38 e 47 del D.P.R. n. 445/2000 e s.m.i, consapevole della responsabilità penale in caso di dichiarazioni false o reticenti.

### **Attività Didattica**

Il Prof. Loi Pasqualino è titolare dei seguenti insegnamenti:

2000 – ad oggi: Fisiologia Veterinaria I: (Facoltà di Medicina Veterinaria, CLS Medicina Veterinaria)

2004 – ad oggi: Embriologia Sperimentale (Embryology): Facoltà di Bioscienze e Tecnologie Agro-Alimentari e Ambientali. CLS Biotecnologie Riproduttive

2015 –2017: Tecnologie per Colture Cellulari e Cellule Staminali. Facoltà di Bioscienze e Tecnologie Agro-Alimentari. Corso di laurea triennale - Biotecnologie

La mia attività didattica comprende anche la supervisione di studenti di medicina veterinaria, biotecnologie e biotecnologie della riproduzione (23), dottorandi di ricerca (13), e assegnisti di ricerca (9) che hanno operato nel mio laboratorio. Dedico attenzione particolare alla supervisione dei giovani, sviluppando in essi creatività, leadership e indipendenza. Molti di essi lavorano infatti in prestigiosi istituti di ricerca (Lopes F., Università di Edinburgo; Fidanza A., Medical Research Council, Edinburgo; Sampino S. Accademia delle Scienze Polacche; Iuso D., Università di Grenoble; Turco M.;, Università di Cambridge; Matsukawa K., Università di Kyoto).

### **Attività Istituzionali, Organizzative e di Servizio**

Gli Incarichi Istituzionali del Prof Pasqualino Loi sono i seguenti:

Membro della Commissione EAEVE di Facoltà, sin dalla sua istituzione

Membro della Commissione per la stesura della SUA RTD (Presidenza Prof. PA Scapolo)

Membro della Commissione Ricerca di Facoltà

Referente di Facoltà per la Commissione per l'integrazione degli studenti diversamente abili (Delegato del Rettore Prof. PA Scapolo)

Il Professor Pasqualino Loi si è sempre messo a disposizione della Facoltà ogni volta è stato richiesto un suo contributo. Partecipa regolarmente alle assise della Facoltà e del Corso di Laurea in Medicina Veterinaria

### **Pubblicazioni**

Hildebrandt TB, Hermes R, Colleoni S, Diecke S, Holtze S, Renfree MB, Stejskal J, Hayashi K, Drukker M, Loi P, Göritz F, Lazzari G, Galli C. [Embryos and embryonic stem cells from the white rhinoceros](#). Nat Commun. 2018 Jul 4;9(1):2589.

Loi P, Galli C, Lazzari G, Matsukawa K, Fulka J Jr, Goeritz F, Hildebrandt TB. [Development to term of sheep embryos reconstructed after inner cell mass/trophoblast exchange](#). J Reprod Dev. 2018 Apr 13;64(2):187-191.

Capra E, Toschi P, Del Corvo M, Lazzari B, Scapolo PA, Loi P, Williams JL, Stella A, Ajmone-Marsan P. Genome-Wide Epigenetic Characterization of Tissues from Three Germ Layers Isolated from Sheep Fetuses. Front Genet. 2017 Sep 4;8:115.

Remodeling somatic nuclei via exogenous expression of protamine 1 to create spermatid-like structures for somatic nuclear transfer. Czernik M, Iuso D, Toschi P, Khochbin S, Loi P. Nat Protoc. 2016 Nov;11(11):2170-2188

Synergies between assisted reproduction technologies and functional genomics. Loi P, Toschi P, Zacchini F, Ptak G, Scapolo PA, Capra E, Stella A, Marsan PA, Williams JL. Genet Sel Evol. 2016 Aug 1;48(1):53.

Toschi P, Czernik M, Zacchini F, Fidanza A, Loi P, Ptak GE. Evidence of Placental Autophagy during Early Pregnancy after Transfer of In Vitro Produced (IVP) Sheep Embryos. PLoS One. 2016 Jun 21;11(6):e0157594

Saragusty J, Diecke S, Drukker M, Durrant B, Friedrich Ben-Nun I, Galli C, Göritz F, Hayashi K, Hermes R, Holtze S, Johnson S, Lazzari G, Loi P, Loring JF, Okita K, Renfree MB, Seet S, Voracek T, Stejskal J, Ryder OA, Hildebrandt TB. Rewinding the process of mammalian extinction. Zoo Biol. 2016 Jul;35(4):280-92.

Loi P, Iuso D, Czernik M, Ogura A. A New, Dynamic Era for Somatic Cell Nuclear Transfer? Trends Biotechnol. 2016 Oct;34(10):791-7

Anzalone DA, Iuso D, Czernik M, Ptak G, Loi P. Plasma membrane and acrosome loss before ICSI is required for sheep embryonic development. J Assist Reprod Genet. 2016 Jun;33(6):757-63

Iuso D, Czernik M, Toschi P, Fidanza A, Zacchini F, Feil R, Curtet S, Buchou T, Shiota H, Khochbin S, Ptak GE, Loi P. Exogenous Expression of Human Protamine 1 (hPrm1) Remodels Fibroblast Nuclei into Spermatid-like Structures. Cell Rep. 2015 Dec 1;13(9):1765-71

Cree L, Loi P. Mitochondrial replacement: from basic research to assisted reproductive technology portfolio tool-technicalities and possible risks. Mol Hum Reprod. 2015 Jan;21(1):3-10.

Loi P, Saragusty J, Ptak G. Cloning the mammoth: a complicated task or just a dream? Adv Exp Med Biol. 2014;753:489-502

Sampino S, Zacchini F, Swiergiel AH, Modlinski AJ, Loi P, Ptak GE. Effects of blastomere biopsy on post-natal growth and behavior in mice. *Hum Reprod.* 2014 Sep;29(9):1875-83.

Ptak GE, Toschi P, Fidanza A, Czernik M, Zacchini F, Modlinski JA, Loi P. Autophagy and apoptosis: parent-of-origin genome-dependent mechanisms of cellular self-destruction. *Open Biol.* 2014 Jun;4(6):140027.

Fidanza A, Toschi P, Zacchini F, Czernik M, Palmieri C, Scapolo P, Modlinski JA, Loi P, Ptak GE. Impaired placental vasculogenesis compromises the growth of sheep embryos developed in vitro. *Biol Reprod.* 2014 Jul;91(1):21.

Sampino S, Juszczak GR, Zacchini F, Swiergiel AH, Modlinski JA, Loi P, Ptak GE. Grand-paternal age and the development of autism-like symptoms in mice progeny. *Transl Psychiatry.* 2014 Apr 29;4:e386.

Iuso D, Czernik M, Zacchini F, Ptak G, Loi P. A simplified approach for oocyte enucleation in mammalian cloning. *Cell Reprogram.* 2013 Dec;15(6):490-4

Loi P, Iuso D, Czernik M, Zacchini F, Ptak G. Towards storage of cells and gametes in dry form. *Trends Biotechnol.* 2013 Dec;31(12):688-95.

Embryonic diapause in humans: time to consider? Ptak GE, Modlinski JA, Loi P. *Reprod Biol Endocrinol.* 2013 Sep 17;11:92

LOI P (in stampa). Sheep: The First Large Animal Model in Nuclear Transfer Research. *CELLULAR REPROGRAMMING*, ISSN: 2152-4971

2 2013

Czernik M, Fidanza A, Sardi M, Galli C, Brunetti D, Malatesta D, Della Salda L, Matsukawa K, Ptak G, Loi P (2013). Differentiation potential and GFP labeling of sheep bone marrow derived mesenchymal stem cells. *JOURNAL OF CELLULAR BIOCHEMISTRY*, ISSN: 0730-2312, doi: 10.1002/jcb.24310.

3 2013

Iuso D, Czernik M, Di Egidio F, Sampino S, Zacchini F, Bochenek M, Smorag Z, Modlinski JA, Ptak G, Loi P (2013). Genomic stability of lyophilized sheep somatic cells before and after nuclear transfer. *PLOS ONE*, vol. Epub 2013 Jan 8., p. 1-10, ISSN: 1932-6203, doi: 10.1371/journal.pone.0051317

4 2013

Ptak GE, D'Agostino A, Toschi P, Fidanza A, Zacchini F, Czernik M, Monaco F, Loi P (2013). Post-implantation mortality of in vitro produced embryos is associated with DNA methyltransferase 1 dysfunction in sheep placenta. *HUMAN REPRODUCTION*, vol. 28, p. 298-305, ISSN: 0268-1161, doi: doi: 10.1093/humrep/des397

5 2012

Ptak G, Zacchini F, Czernik M, Fidanza A, Palmieri C, Della Salda L, Scapolo PA, Loi P (2012). A short exposure to polychlorinated biphenyls deregulates cellular autophagy in mammalian blastocyst in vitro. *HUMAN REPRODUCTION*, vol. 27, p. 1034-1042, ISSN: 0268-1161, doi: doi: 10.1093/humrep/der454

6 2012

Ptak GE, Tacconi E, Czernik M, Toschi P, Modlinski JA, LOI P (2012). Embryonic diapause is conserved across mammals.. PLOS ONE, vol. 7, p. 1-7, ISSN: 1932-6203, doi: <http://dx.crossref.org/10.1371%2Fjournal.pone.0033027>

7 2011

Loi P, Teruhiko Wakayama, Josef Fulka Jr and Grazyna Ptak. (2011). Biological time machines: a realistic approach for cloning an extinct mammal.. ENDANGERED SPECIES RESEARCH, vol. Vol. 14: , p. 227-233, ISSN: 1613-4796

2011

Zacchini F, Czernik M, Iuso D, Toschi P, di Egidio F, Scapolo PA, Loi P, Ptak G. (2011). Efficient production and cellular characterization of sheep androgenetic embryos. . CELLULAR REPROGRAMMING, vol. Dec;13(6), p. 495-502, ISSN: 2152-4971

9 2011

Loi P, Fulka J Jr, Hildebrand T, Ptak G. (2011). Genome of non-living cells: trash or recycle? . REPRODUCTION, vol. Oct;142(4), p. 497-503, ISSN: 1470-1626

10 2011

Loi P, Modlinski JA, Ptak G. (2011). Interspecies somatic cell nuclear transfer: a salvage tool seeking first aid. . THERIOGENOLOGY, vol. Jul 15;76(2), p. 217-228, ISSN: 0093-691

11 2011

Fulka J Jr, Langerova A, Loi P, Martinkova S, Fulka H. (2011). Transplantation of nucleoli into human zygotes: not as simple as expected? . JOURNAL OF ASSISTED REPRODUCTION AND GENETICS, vol. 28(5), p. 385, ISSN: 1058-0468

12 2009

FULKA JR J, LOI P, PTAK G, FULKA H, JOHN JS (2009). Hope for the Mammoth?. CLONING AND STEM CELLS, ISSN: 1536-2302

13 2008

LOI P, BEAUJEAN N, KHOCHBIN S, FULKA J JR, PTAK G (2008). Asymmetric nuclear reprogramming in somatic cell nuclear transfer?. BIOESSAYS, vol. 30, p. 66-74, ISSN: 0265-9247

14 2008

LOI P, GALLI C, PTAK G (2008). Cloning of endangered mammalian species: any progress?. TRENDS IN BIOTECHNOLOGY, vol. 25, p. 195-200, ISSN: 0167-7799

15 2008

FULKA J JR, FULKA H, ST JOHN J, GALLI C, LAZZARI G, LAGUTINA I, FULKA J, LOI P (2008). Cybrid human embryos--warranting opportunities to augment embryonic stem cell research. TRENDS IN BIOTECHNOLOGY, vol. 26, p. 469-474, ISSN: 0167-779

16 2008

LOI P, MATSUKAWA K, PTAK G, CLINTON M, FULKA J JR, NATHAN Y, ARAV A (2008). Freeze-dried somatic cells direct embryonic development after nuclear transfer. PLOS ONE, vol. e2978., ISSN: 1932-6203

17 2008

TURCO MY, MATSUKAWA K, CZERNIK M, GASPERI V, BATTISTA N, DELLA SALDA L, SCAPOLO PA, LOI P, MACCARRONE M, PTAK G (2008). High levels of anandamide, an endogenous cannabinoid, block the growth of sheep preimplantation embryos by inducing apoptosis and reversible arrest of cell proliferation. HUMAN REPRODUCTION, vol. 23, p. 2331-2338, ISSN: 0268-1161

18 2008

LOI P, KAZUTSUGU MATSUKAWA SEIYA TAKAHASHI, SATOSHI AKAGI GRAZYNA PTAK (2008). Nuclear reprogramming: what has been done and potential avenues for improvements. CENTRAL EUROPEAN JOURNAL OF BIOLOGY, vol. 3, p. 211-223, ISSN: 1895-104X

19 2008

LOI P, MATZUKAWA K, PTAK G, NATAN Y, FULKA J JR, ARAV A (2008). Nuclear transfer of freeze-dried somatic cells into enucleated sheep oocytes. REPRODUCTION IN DOMESTIC ANIMALS, vol. 43, p. 417-422, ISSN: 0936-6768

20 2008

PALMIERI C, LOI P, PTAK G, DELLA SALDA L (2008). Review paper: a review of the pathology of abnormal placentae of somatic cell nuclear transfer clone pregnancies in cattle, sheep, and mice. VETERINARY PATHOLOGY, vol. 45, p. 865-880, ISSN: 0300-9858

21 2007

LOI P, GALLI C, PTAK G (2007). Cloning of endangered mammalian species: any progress?. TRENDS IN BIOTECHNOLOGY, vol. 25, p. 195-200, ISSN: 0167-7799

22 2007

Matsukawa K, Turco MY, Scapolo PA, Reynolds L, Ptak G, Loi P (2007). Development of sheep androgenetic embryos is boosted following transfer of male pronuclei into androgenetic hemizygotes. CLONING AND STEM CELLS, vol. 9, p. 374-381, ISSN: 1536-2302

23 2007

PALMIERI C, LOI P, REYNOLDS LP, PTAK G, DELLA SALDA L (2007). Placental abnormalities in ovine somatic cell clones at term: a light and electron microscopic investigation. PLACENTA, vol. 28, p. 577-584, ISSN: 0143-4004

24 2006

PTAK G, MATSUKAWA K, PALMIERI C, DELLA SALDA L, SCAPOLO PA, LOI P (2006). Developmental and functional evidence of nuclear immaturity in prepubertal oocytes. HUMAN REPRODUCTION, vol. 21, p. 2228-2237, ISSN: 0268-1161

25 2006

GRAZYNA PTAK, LOI P, FEDERICA LOPES, KAZUTSUGU MATSUKAWA, MARIAN TISCHNER, PASQUALINO LOI (2006). Leukemia Inhibitory Factor enhances sheep fertilization in vitro via an influence on the oocyte. THERIOGENOLOGY, p. 1-10, ISSN: 0093-691X

26 2006

LOI P, CLINTON, M., VACKOVA, I., FULKA JR., J., FEIL, R., PALMIERI, DELLA SALDA, L., AND PTAK G (2006). Placental abnormalities associated with post-natal mortality in sheep somatic cell clones.



THERIOGENOLOGY, vol. 65 , p. 1110-1121, ISSN: 0093-691X, doi:  
doi:10.1016/j.theriogenology.2005.07.016

27 2006

IRENA VACKOVA, RADOMIR KREN, PASQUALINO LOI, VLADIMIR KRYLOV AND JOSEF FULKA, LOI P (2006). The absence of DNA replication checkpoint in porcine zygotes. ZYGOTE, vol. 14, p. 33-37, ISSN: 0967-1994

28 2005

FULKA J JR, MRAZEK M, FULKA H, LOI P (2005). Mammalian oocyte therapies. CLONING AND STEM CELLS, vol. 7, p. 183-188, ISSN: 1536-2302

29 2004

LOI P (2004). Are there realistic opportunities to apply cloning and the other reproductive biotechnologies for safeguarding endangered species?. ANIMAL SCIENCE PAPERS AND REPORTS, vol. 22, p. 81-89, ISSN: 0860-4037

30 2004

FULKA J JR, LOI P, FULKA H, PTAK G, NAGAI T. (2004). Nucleus transfer in mammals: noninvasive approaches for the preparation of cytoplasts. TRENDS IN BIOTECHNOLOGY, vol. 22, p. 27-283, ISSN: 0167-7799

31 2004

MATTIOLI M, GIOIA L, TURRIANI M, CAPACCHIETTI G, LOI P, PTAK G (2004). Oocyte maturation is required for correct sperm chromatin rearrangement. VETERINARY RESEARCH COMMUNICATIONS, vol. 28, p. 205-208, ISSN: 0165-7380

32 2004

LOI P, DELLA SALDA L., PTAK G (2004). Peri and post natal mortality of somatic cell clones in sheep. ANIMAL SCIENCE PAPERS AND REPORTS, vol. 22, suppl. 1, p. 59-70, ISSN: 0860-4037

33 2004

LOI P, DELLA SALDA, L., PTAK G (2004). Peri- and post-natal mortality of somatic cell clones in sheep. ANIMAL SCIENCE PAPERS AND REPORTS, vol. 22, p. 59-63, ISSN: 0860-4037

34 2004

BEAUJEAN N, TAYLOR JE, MCGARRY M, GARDNER JO, WILMUT I, LOI P, PTAK G, GALLI C, LAZZARI G, BIRD A, YOUNG LE, MEEHAN RR (2004). The effect of interspecific oocytes on demethylation of sperm DNA. PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 20, p. 7636-7640, ISSN: 1091-6490

35 2003

LOI P, FULKA J JR, PTAK G (2003). Amphibian and mammal somatic-cell cloning: different species, common results? (Cover page). TRENDS IN BIOTECHNOLOGY, vol. 21, p. 471-473, ISSN: 0167-7799

36 2003

MATTIOLI M, BARBONI B, GIOIA L, LOI P, LUISA G (2003). Cold-induced calcium elevation triggers DNA fragmentation in immature pig oocytes. MOLECULAR REPRODUCTION AND DEVELOPMENT, vol. 65, p. 289-297, ISSN: 1040-452X

37 2003

YOUNG LE, SCHNIEKE AE, MCCREATH KJ, WIECKOWSKI S, KONFORTOVA G, FERNANDES K, PTAK G, KIND AJ, WILMUT I, LOI P, FEIL R. (2003). Conservation of IGF2-H19 and IGF2R imprinting in sheep: effects of somatic cell nuclear transfer. MECHANISMS OF DEVELOPMENT, vol. 120, p. 1433-1442, ISSN: 0925-4773

38 2003

PTAK GRAZYNA, TISCHENR MARIAN, BERNABÒ NICOLA, LOI P (2003). Donor-Dependent Developmental Competence of Oocytes from Lambs Subjected to Repeated Hormonal Stimulation. BIOLOGY OF REPRODUCTION, vol. 2003 Feb 5, ISSN: 0006-3363

39 2003

FULKA J, MOOR RM, LOI P, FULKA J (2003). Enucleation of porcine oocytes. THERIOGENOLOGY, vol. 59, p. 1879-1885, ISSN: 0093-691X

40 2003

FULKA J JR, LOI P, FULKA H, KREN R, DEAN W, MRAZEK M, REIK W (2003). Nucleus replacement in Mammalian oocytes. CLONING AND STEM CELLS, vol. 4, p. 181-187, ISSN: 1536-2302

41 2002

LOI P, BARBONI B, PTAK G (2002). Cloning advances and challenges for conservation. TRENDS IN BIOTECHNOLOGY, vol. 20, p. 233, ISSN: 0167-7799

42 2002

PTAK GRAZYNA, CLINTON MICHAEL, TISHNER MARIAN, MATTIOLI MAURO, BARBONI BARBARA, LOI P (2002). Improving delivery and offspring viability of in vitro-produced and cloned sheep embryos. BIOLOGY OF REPRODUCTION, vol. 67, p. 1719-1725, ISSN: 0006-3363

43 2002

LOI P, CLINTON M., BARBONI B., FULKA J. JR., CAPPAL P., FEIL R., MOOR R.H.M., PTAK G. (2002). Nuclei of nonviable ovine somatic cells develop into lambs after nuclear transplantation. BIOLOGY OF REPRODUCTION, vol. 67, p. 442-450, ISSN: 0006-3363

44 2002

PTAK G, CLINTON M., BARBONI B., MUZZEDDU M., CAPPAL P., TISCHNER M., LOI P (2002). Preservation of the wild European mouflon: the first example of genetic management using a complete program of reproductive biotechnologies. BIOLOGY OF REPRODUCTION, vol. 66, p. 796-801, ISSN: 0006-3363

45 2001

LOI P, PTAK GRAZYNA, BARBONI BARBARA, FULKA JOSEF JR, CAPPAL PIETRO, MICHAEL CLINTON (2001). Genetic rescue of an endangered mammal by cross-species nuclear transfer using post-mortem somatic cells. NATURE BIOTECHNOLOGY, vol. 19, p. 962-964, ISSN: 1087-0156

46 2001

FULKA J. JR, LOI P, LEDDA S, MOOR RHM, FULKA J (2001). Nucleus transfer in mammals: how the

oocyte cytoplasm modifies the transferred nucleus. THERIOGENOLOGY, vol. 55, p. 1373-1380, ISSN: 0093-691X

47 2000

J. FULKA JR, J. TESARIK, LOI P, R.M. MOOR (2000). Manipulating the Human embryo: Cell Cycle Checkpoint Controls. CLONING AND STEM CELLS, vol. 2, p. 1-7, ISSN: 1536-2302

48 2000

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