

Alessandra Iannuzzi



Researcher (Permanent position)

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Education and Professional Experience

2014: Abroad experience at Cambridge University, Department of Veterinary Medicine. Maddingley road Cambridge, CB3 0ES, UK.

2012: Abroad experience at Veterinary Research Institute (VUVEL), Brno-Czech Republic. Department of Genetic and Reproduction. Hudcova 70, 62100 Brno, CZ.

2011: Researcher (permanent position)

2009: MRCVS (Member of Royal College Veterinary Surgeons)

2008: Specialization in "Physiopathology and Reproduction of Domestic Animals", Università degli studi di Napoli Federico II, Corso Umberto I 40, 80138 Naples-Italy.

2005: Degree in "Veterinary Medicine", Università degli studi di Napoli Federico II, via Federico Delphino, 1 80137 Naples-Italy.

Keywords

Animal Reproduction, Animal genetic and cytogenetic.

Selected publications

1. **Iannuzzi A**, Della Valle G, Russo M, Longobardi V, Albero G, De Canditiis C, Kosior MA, Pistucci R, Gasparrini B. Evaluation of bovine sperm telomere length and association with semen quality. *Theriogenology*. 2020 Dec;158:227-232. doi: 10.1016/j.theriogenology.2020.09.019.
2. De Lorenzi L, Pauciullo A, **Iannuzzi A**, Parma P. Cytogenetic Characterization of a Small Evolutionary Rearrangement Involving Chromosomes BTA21 and OAR18. *Cytogenet Genome Res*. 2020;160(4):193-198. doi: 10.1159/000507645.
3. Di Dio C, Longobardi V, Zullo G, Parma P, Pauciullo A, Perucatti A, Higgins J, **Iannuzzi A**. Analysis of meiotic segregation by triple-color fish on both total and motile sperm fractions in a t(1p;18) river buffalo bull. *PLoS One*. 2020 May 4;15(5):e0232592. doi: 10.1371/journal.pone.0232592.
4. **Iannuzzi A**, Della Valle G, Russo M, Longobardi V, Albero G, De Canditiis C, Kosior MA, Pistucci R, Gasparrini B. Evaluation of bovine sperm telomere length and association with semen quality. *Theriogenology*. 2020 Dec;158:227-232. doi: 10.1016/j.theriogenology.2020.09.019.
5. De Lorenzi L, Pauciullo A, **Iannuzzi A**, Parma P. Cytogenetic Characterization of a Small Evolutionary Rearrangement Involving Chromosomes BTA21 and OAR18. *Cytogenet Genome Res*. 2020;160(4):193-198. doi: 10.1159/000507645.
6. Di Dio C, Longobardi V, Zullo G, Parma P, Pauciullo A, Perucatti A, Higgins J, **Iannuzzi A**. Analysis of meiotic segregation by triple-color fish on both total and motile sperm fractions in a t(1p;18) river buffalo bull. *PLoS One*. 2020 May 4;15(5):e0232592. doi:

10.1371/journal.pone.0232592.

7. **Iannuzzi A**, Braun M, Genuardo V, Perucatti A, Reinartz S, Proios I, Heppelmann M, Rehage J, Hülskötter K, Beineke A, Metzger J, Distl O. Clinical, cytogenetic and molecular genetic characterization of a tandem fusion translocation in a male Holstein cattle with congenital hypospadias and a ventricular septal defect. PLoS One. 2020 Jan 10;15(1):e0227117. doi: 10.1371/journal.pone.0227117.
8. Perucatti A, Genuardo V, Pauciullo A, Iorio C, Incarnato D, Rossetti C, Vizzarri F, Palazzo M, Casamassima D, Iannuzzi L, **Iannuzzi A**. Cytogenetic tests reveal no toxicity in lymphocytes of rabbit (*Oryctolagus cuniculus*, 2n=44) feed in presence of verbascoside and/or lycopene. Food Chem Toxicol. 2018 Apr;114:311-315. doi: 10.1016/j.fct.2018.02.053.
9. Pero ME, Zullo G, Esposito L, **Iannuzzi A**, Lombardi P, De Canditiis C, Neglia G, Gasparrini B. Inhibition of apoptosis by caspase inhibitor Z-VAD-FMK improves cryotolerance of in vitro derived bovine embryos. Theriogenology. 2018 Mar 1;108:127-135. doi: 10.1016/j.theriogenology.2017.11.031.
10. Cancemi D, **Iannuzzi A**, Perucatti A, Montano L, Capozzi O, Spanpanato C, Ventruto ML, Urciuoli M, Iannuzzi L, Ventruto V. Duplication of Yq- and proximal Yp-arms with deletion of almost all PAR1 (including SHOX) in a young man with non-obstructive azoospermia, short stature and skeletal defects. J Appl Genet. 2017 Nov;58(4):481-486. doi: 10.1007/s13353-017-0412-7.
11. Larocca M, Perna AM, Simonetti A, Gambacorta E, **Iannuzzi A**, Perucatti A, Rossano R. Antioxidant and anti-inflammatory effects of cauliflower leaf powder-enriched diet against LPS induced toxicity in rabbits. Food Funct. 2017 Sep 20;8(9):3288-3296. doi: 10.1039/c7fo00253j.
12. Iannuzzi A, Pereira J, Iannuzzi C, Fu B, Ferguson-Smith M. Pooling strategy and chromosome painting characterize

a living zebroid for the first time. PLoS One. 2017 Jul 12;12(7):e0180158. doi: 10.1371/journal.pone.0180158.

13. De Lorenzi L, **Iannuzzi A**, Rossi E, Bonacina S, Parma P. Centromere Repositioning in Cattle (*Bos taurus*) Chromosome 17. Cytogenet Genome Res. 2017;151(4):191-197. doi: 10.1159/000473781.
14. Pauciullo A, Knorr C, Perucatti A, **Iannuzzi A**, Iannuzzi L, Erhardt G. Characterization of a very rare case of living ewe-buck hybrid using classical and molecular cytogenetics. Sci Rep. 2016 Oct 4;6:34781. doi: 10.1038/srep34781.
15. **Iannuzzi A**, Perucatti A, Genuardo V, Pauciullo A, Melis R, Porqueddu C, Marchetti M, Usai M, Iannuzzi L. Sister chromatid exchange test in river buffalo lymphocytes treated in vitro with furocoumarin extracts. Mutagenesis. 2016 Sep;31(5):547-51. doi: 10.1093/mutage/gew022.
16. **Iannuzzi A**, Genuardo V, Perucatti A, Pauciullo A, Varricchio G, Incarnato D, Matassino D, Iannuzzi L. Fatal Outcome in a Newborn Calf Associated with Partial Trisomy 25q and Partial Monosomy 11q, 60,XX,der(11)t(11;25)(q11;q14~21). Cytogenet Genome Res. 2015;146(3):222-9. doi: 10.1159/000438973.
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19. **A Iannuzzi**, A Perucatti, A Pauciullo, V Genuardo, L De

Lorenzi, P Parma, L Iannuzzi (2015). Fluorescent in situ hybridization mapping of three fecundity genes on cattle, river buffalo, sheep and goat. *Caryologia: International Journal of Cytology, Cytosystematics and Cytogenetics*, 68; 1:9–12

20. A Pauciullo, A Perucatti, G Cosenza, **A Iannuzzi**, D Incarnato, V Genuardo, D Di Berardino, L Iannuzzi (2014). Sequential cross-species chromosome painting among river buffalo, cattle, sheep and goat: a useful tool for chromosome abnormalities diagnosis within the family Bovidae. *PLoS One*, 17;9(10):e110297.