

PERSONAL INFORMATION

Gianfranco Cosenza



University of Naples Federico II
Department of Agricultural Sciences
Via Università 100

0039 0812539272

gianfranco.cosenza@unina.it

<https://docent.unina.it>; <https://orcid.org/0000-0001-6006-4987>.

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input checked="" type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

From 2018 to now

Associate Professor for Zootechnics and genetic improvement (SSD AGR/17) at the Department of Agricultural Sciences, University of Naples Federico II

From 2005 to 2018

Researcher for Zootechnics and genetic improvement (SSD AGR/17) at the Department of Biotechnology Sciences, University of Naples Federico II

EDUCATION AND TRAINING

From 2002 to 2004

Post-Doc at the Dept. of Soil, Plant, Environmental Sciences and Animal Productions - University of Naples Federico II

From 1999 to 2001

Fellowship of the Experimental Zootechnics Institute (Rome) Project RAIZ (Reproduction of animals of zootechnical interest) working on "Analyses by means of microdissection of the DNA region containing the Booroola fecundity gene in the ovine species"

From 1994 to 1997

PhD in Animal Genetics (SSD AGR17) (X cycle) at the University of Naples Federico II. Dissertation title: "Un gene ad effetto maggiore sul contenuto di caseina α s2 nel latte di capra"

From 1988 to 1993

"Laurea" (Bachelor and Master degree equivalent, grade 107/110) at Biological Sciences Faculty, University of Naples Federico II

PERSONAL SKILLS

Mother tongue(s) ITALIAN

Other language(s) ENGLISH

Job-related skills Gianfranco Cosenza main research interests are Animal Breeding, Genetics, Genomics, Cytogenetics, Biodiversity and Dairy Production. His research experience includes animal genetics/genomics, expression and molecular diversity, evolutionary and reproductive cytogenetics.

Digital skills Excellent knowledge of Web Server, Animal Genome Databases, Microsoft Office software.

ADDITIONAL INFORMATION

- Publications**
- 1) **Cosenza G.**, Martin P., Garro G., Gallo D., Auzino B., Ciampolini R., Pauciuolo A. (2023). A novel allelic donkey β -Lg I protein isoform generated by a non-AUG translation initiation codon is associated with a non-synonymous SNP. *Journal of Dairy Science*, 106. Open Access Published: April 18 DOI: 2-s2.0-85152942225
 - 2) **Cosenza G.**, Albarella S., D'anza E., Iannuzzi A., Selvaggi M., Pugliano M., Galli T., Saralli G., Ciotola F., Peretti V. (2023). A new AS-PCR method to detect CSN201 allele, genotyping at Ca-Sensitive caseins loci and milk traits association studies in autochthonous Lazio goats. *Animals*, 13(2), Article number 239; DOI: 10.3390/ani13020239;
 - 3) Auzino B., Miranda G., Henry C., Krupova Z., Martini M., Salari F., **Cosenza G.**, Ciampolini R., Martin P. (2022). Top-Down proteomics based on LC-MS combined with cDNA sequencing to characterize multiple proteoforms of Amiata donkey milk proteins. *Food Research International*. Accepted Volume 160, Article number 111611 DOI: 10.1016/j.foodres.2022.111611
 - 4) **Cosenza G.**, Gallo D., Auzino B., Gaspa G., Pauciuolo A. (2021). Complete CSN1S2 characterization, novel alleles identification and association with milk fatty acids composition in river buffalo. *Frontiers in Genetics*, Feb 4, 11:1832; article 622494. doi: 10.3389/fgene.2020.622494;
 - 5) Pauciuolo A., Martorello S., Carku K., Versace C., Coletta A., **Cosenza G.** (2021). A novel duplex ACRS-PCR for composite CSN1S1-CSN3 genotype discrimination in domestic buffalo. *Italian Journal of Animal Science*. 20 (1), 1264–1269. DOI: 10.1080/1828051X.2021.1952912
 - 6) **Cosenza G.**, Mauriello R., Garro G., Auzino B., Iannaccone M., Costanzo A., Chianese L., Pauciuolo A. (2019). Casein composition and differential translational efficiency of casein transcripts in donkey's milk. *Journal of Dairy Research*. 86 (2) 201-207. DOI 10.1017/S0022029919000256
 - 7) Pauciuolo A., Ogah D.M., Iannaccone M., Erhardt G., Di Stasio L., **Cosenza G.** (2018). Genetic characterization of the oxytocin-neurophysin I gene (OXT) and its regulatory regions analysis in domestic Old and New World camelids. *Plos One*, 13(4):e0195407. pp 1-17. DOI: 110.1371/journal.pone.0195407.
 - 8) **Cosenza G.**, Iannaccone M., Auzino B., Macciotta N.P.P., Kovitvadih A., Nicolae I., Pauciuolo A. (2018). Remarkable genetic diversity detected at river buffalo Prolactin Receptor (PRLR) gene and association studies with milk fatty acid composition. *Animal genetics*, 49 (3), 159-168. DOI: 10.1111/age.12645
 - 9) **Cosenza G.**, Macciotta N.P.P., Nudda A., Coletta A., Ramunno L., Pauciuolo A. (2017). A novel polymorphism in the Oxytocin receptor encoding gene (OXTR) affects milk fatty acid composition in Italian Mediterranean river buffalo. *Journal of Dairy Research*, 84(2), 170-180 DOI: 10.1017/S0022029917000127
 - 10) **Cosenza G.**, Iannaccone M., Pico B.A., Gallo D., Capparelli R., Pauciuolo A. (2017). Molecular characterisation, genetic variability and detection of a functional polymorphism influencing the promoter activity of OXT gene in goat and sheep. *Journal of Dairy Research*, 84(2), 165-169 DOI: 10.1017/S0022029917000097
- Projects**
- From 01/01/2021 to now: Project PON (PON01_00486): WATER BUFFALO GENOME SEQUENCING FOR THE QUALI-QUANTITATIVE IMPROVEMENT OF AGRIFOOD PRODUCTIONS – GENOBU – GENOBU_OR3 leader "Genetic selection for the improvement of milk and meat quali-quantitative traits"**
- From 6/7/2013 to 31/12/2016 Leader Project “ Study of the genetic variability of quali-quantitative traits loci of buffalo bulls in AF” funded by A.N.A.S.B. (National Association of Buffalo Breeders)**
- From 2013 to 2017 Leader Project “MarkerBuffaloDiscovery” funded by A.N.A.S.B. (National Association of Buffalo Breeders)**
- From 2014 to 2015 Project INNOVAGEN funded by MIPAAF - U.O. leader: “Variability of candidate genes for the qualitative-quantitative improvement of buffalo milk and identification of markers associated with differences in their expression”**