

Andrea Affuso



Born in Castrovillari (CS) - Italy on 13/03/1969

Tel.: +39 081 5833222

Fax: +39 081 5833294

e-mail: andrea.affuso@szn.it

Skype: andreaaffuso

Current Position: tecnologo III° livello

Current Affiliation:

Section Research Infrastructures for Marine Biological Resources

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
University Federico II of Naples, faculty of Veterinary Medicine	Degree DVM	1987-1995	Veterinary Medicine
University Federico II of Naples, faculty of Veterinary Medicine	Abilitation to veterinary practice	1996	Veterinary Medicine
University of Bari	post-graduate specializations	1998-2001	Reproductive Physio-pathology of domestic animals
University Federico II of Naples	post-graduate specializations	2003-2006	Pathologies of the avian species, rodents and lagomorphs, technology farms, veterinary hygiene
University Lumsa Rome	international Master	2008-2009	Biolegal.
University Federico II of Naples	Consultant veterinarian	2001-2005	Animal welfare, hygiene experimental procedures.
IRGS Biogem Ariano Irpino (AV).	Animal facility and preclinical labs Manager.	2006-2014	Animal models in biomedical research. Generation of genetically

			modified mice.
Stazione Zoologica Anton Dohrn, Napoli, Italy	Biotechnologist	2010-present	Veterinary care of marine organisms.

Appointments and awards

- 1999 – 2001: lecturer and tutor at several practical courses in “Experimental Microsurgery” - AORN A. Cardarelli – Naples.
- 2006 – 2008: lecturer at the post degree course in “Science and technologies applied to Laboratory Animals”, University Federico II, Naples.
- 2007 – 2011: Professor at the degree course in " Genetic science and technologies " University of Sannio BN.
- 2008-2015 Member of the Academic Board of the PhD in "model organisms in biomedical research and veterinary"
- 2011-2013 Member of the Directive Board of the Italian Association for Laboratory Animals (AISAL)

Other

Member of the Italian Association Laboratory Animals (AISAL)

Member of Rotary Club Avellino Est Centenario – President during the AR 2013-14

Students’ Supervision

supervisor of doctoral thesis of four students for the degree in “genetic biotechnology” (University of Sannio - BN)

Publications

Author of 19 publications on ISI-journals.

List of publications of the last 10 years:

Peer-reviewed publications

Potenza N, Vecchione C, Notte A, De Rienzo A, Rosica A, Bauer L, Affuso A, De Felice M, Russo T, Poulet R, Cifelli G, De Vita G, Lembo G, Di Lauro R. (2005). Replacement of K-Ras with H-Ras supports normal embryonic development despite inducing cardiovascular pathology in adult mice. EMBO Rep. 6(5):432-7.

Amendola E, De Luca P, Macchia PE, Terracciano D, Rosica A, Chiappetta G, Kimura S, Mansouri A, Affuso A, Arra C, Macchia V, Di Lauro R, De Felice M. (2005) A mouse model demonstrates a multigenic origin of congenital hypothyroidism. Endocrinology. 146(12):5038-47.

Errico F, Pirro MT, Affuso A, Spinelli P, De Felice M, D'Aniello A, Di Lauro R. (2006) A physiological mechanism to regulate D-aspartic acid and NMDA levels in mammals revealed by D-aspartate oxidase deficient mice. Gene. 7;374:50-7..

- Cali G, Zannini M, Rubini P, Tacchetti C, D'Andrea B, Affuso A, Wintermantel T, Boussadia O, Terracciano D, Silberschmidt D, Amendola E, De Felice M, Schutz G, Kemler R, Di Lauro R, Nitsch L. (2007) Conditional inactivation of the E-cadherin gene in thyroid follicular cells affects gland development but does not impair junction formation. *Endocrinology* 148(6):2737-46. PMID: 17347311
- Errico F, Nisticò R, Palma G, Federici M, Affuso A, Brilli E, Topo E, Centonze D, Bernardi G, Bozzi Y, D'Aniello A, Di Lauro R, Mercuri NB, Usiello A. (2008). Increased levels of d-aspartate in the hippocampus enhance LTP but do not facilitate cognitive flexibility. *Mol Cell Neurosci.* 2008 Feb;37(2):236-46.
- Mancini M, Vergara E, Salvatore G, Greco A, Troncone G, Affuso A, Liuzzi R, Salerno P, Scotto di Santolo M, Santoro M, Brunetti A, Salvatore M. (2009) Morphological ultrasound microimaging of thyroid in living mice. *Endocrinology.* 2009 Oct;150(10):4810-5.
- Mancini R, Giarnieri E, De Vitis C, Malanga D, Roscilli G, Noto A, Marra E, Laudanna C, Zoppoli P, De Luca P, Affuso A, Ruco L, Di Napoli A, Mesiti G, Aurisicchio L, Ricci A, Mariotta S, Pisani L, Andreetti C, Viglietto G, Rendina EA, Giovagnoli MR, Ciliberto G. (2011) Spheres derived from lung adenocarcinoma pleural effusions: molecular characterization and tumor engraftment. *PLoS One.*;6(7):e21320.
- Rocco A, Liguori E, Pirozzi G, Tirino V, Compare D, Franco R, Tatangelo F, Palaia R, D'Armiento FP, Pollastrone G, Affuso A, Bottazzi EC, Masone S, Persico G, Nardone G. (2011) CD133 and CD44 cell surface markers do not identify cancer stem cells in primary human gastric tumours. *J Cell Physiol.* 2011 Sep 6. DOI: 10.1002/jcp.23013.
- Esposito CL, Passaro D, Longobardo I, Condorelli G, Marotta P, Affuso A, de Franciscis V, Cerchia L. (2011) A Neutralizing RNA Aptamer against EGFR Causes Selective Apoptotic Cell Death. *PLoS One*; 6(9):e24071. Epub 2011 Sep 6.
- Cerchia L, Esposito CL, Camorani S, Rienzo A, Stasio L, Insabato L, Affuso A, de Franciscis V. (2012) Targeting Axl with an high-affinity inhibitory aptamer. *Mol Ther.*;20(12):2291-303. doi: 10.1038/mt.2012.163. Epub 2012 Aug 21. PMID: 22910292
- Gargiulo S, Greco A, Gramanzini M, Esposito S, Affuso A, Brunetti A, Vesce G. (2012) Mice anesthesia, analgesia, and care, part I: anesthetic considerations in preclinical research. *ILAR J.* 53(1):55-69. doi: 10.1093/ilar.53.1.55. PMID: 23382271
- Gargiulo S, Greco A, Gramanzini M, Esposito S, Affuso A, Brunetti A, Vesce G. (2012) Mice Anesthesia, Analgesia, and Care, Part II: Anesthetic Considerations in Preclinical Imaging Studies. *ILAR J.*;53(1):70-81. doi: 10.1093/ilar.53.1.70. PMID: 23382272
- Notarangelo A. , D. Trombetta, V. D'Angelo, P. Parrella, O. Palumbo, C. T. Storlazzi, L. Impera, L. A. Muscarella, A. La Torre, A. Affuso, V. M. Fazio, M. Carella and L. Zelante. (2014) Establishment and genetic characterization of ANGM-CSS, a novel, immortal cell line derived from a human glioblastoma multiforme INT. *J. ONC.* 2014 - 44: 717-724, DOI: 10.3892/ijo.2013.2224
- Fiorito G, Affuso A, Anderson DB, Basil J, Bonnaud L, Botta G, Cole A, D'Angelo L, De Girolamo P, Dennison N, Dickel L, Di Cosmo A, Di Cristo C, Gestal C, Fonseca R, Grasso F, Kristiansen

T, Kuba M, Maffucci F, Manciocco A, Mark FC, Melillo D, Osorio D, Palumbo A, Perkins K, Ponte G, Raspa M, Shashar N, Smith J, Smith D, Sykes A, Villanueva R, Tublitz N, Zullo L, Andrews P. (2014) Cephalopods in neuroscience: regulations, research and the 3Rs. *Invert Neurosci.* 2014 Mar;14(1):13-36. DOI: 10.1007/s10158-013-0165-x. Epub 2014 Jan 3.

Bellelli R, Castellone MD, Guida T, Limongello R, Dathan NA, Merolla F, Cirafici AM, Affuso A, Masai H, Costanzo V, Grieco D, Fusco A, Santoro M, Carlomagno F. (2014) NCOA4 transcriptional coactivator inhibits activation of DNA replication origins. *Mol Cell.* 2014 Jul 3;55(1):123-37. DOI: 10.1016/j.molcel.2014.04.031.

Porreca I, D'Angelo F, Gentilcore D, Carchia E, Amoresano A, Affuso A, Ceccarelli M, De Luca P, Esposito L, Guadagno FM, Mallardo M, Nardone A, Maccarone S, Pane F, Scarfò M, Sordino P, De Felice M, Ambrosino C. (2014) Cross-species toxicogenomic analyses and phenotypic anchoring in response to groundwater low-level pollution. *BMC Genomics.* 5;15:1067. doi: 10.1186/1471-2164-15-1067.