

Andrea Affuso



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

Tel.: +39 081 5833612

Fax: +39 081 7641355

e-mail: andrea.affuso@szn.it

Skype: andreaaffuso

Current Position: tecnologo III° livello

Current Affiliation:

Dept. CAPE

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 Physiology 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.
Turtle Point Stazione Zoologica Anton Dohrn, Napoli, Italy	Veterinary Health director	2017-present	Recovery and rehabilitation of injured sea turtles.
Turtle Point Stazione Zoologica Anton Dohrn, Napoli, Italy	Core facility coordinator	2021-present	Contact person for Turtle Point activities and staff.

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)
- 2016-2019 Member of the OPBA of the CENTRO RICERCHE ONCOLOGICHE MERCOGLIANO – Mercogliano (AV).
- 2020-2022 Member of the OPBA of the Istituto Nazionale Tumori IRCCS “Fondazione Pascale”, Napoli.

Other

- Member of the Italian Association Laboratory Animals (AISAL) from 1998 to 2018.
- 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); Supervisor of final thesis of four students for the degree in biological sciences (University Federico II – Naples).

Publications

Author of 26 publications on ISI-journals.

List of publications of the last 10 years:

Peer-reviewed publications

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.

Spheres derived from lung adenocarcinoma pleural effusions: molecular characterization and tumor engraftment.

PLoS One. 2011;6(7):e21320. Epub 2011 Jul 18.

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.

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. [Epub ahead of print]

Esposito CL, Passaro D, Longobardo I, Condorelli G, Marotta P, Affuso A, de Franciscis V, Cerchia L.

A Neutralizing RNA Aptamer against EGFR Causes Selective Apoptotic Cell Death.

PLoS One. 2011;6(9):e24071. Epub 2011 Sep 6.

Cerchia L, Esposito CL, Camorani S, Rienzo A, Stasio L, Insabato L, Affuso A, de Franciscis V.

Targeting Axl with an high-affinity inhibitory aptamer.

Mol Ther. 2012 Dec;20(12):2291-303. doi: 10.1038/mt.2012.163. Epub 2012 Aug 21.

Gargiulo S, Greco A, Gramanzini M, Esposito S, Affuso A, Brunetti A, Vesce G.

Mice anesthesia, analgesia, and care, Part I: anesthetic considerations in preclinical research.

ILAR J. 2012;53(1):E55-69. doi: 10.1093/ilar.53.1.55. Review.

Gargiulo S, Greco A, Gramanzini M, Esposito S, Affuso A, Brunetti A, Vesce G.

Mice anesthesia, analgesia, and care, Part II: anesthetic considerations in preclinical imaging studies.

ILAR J. 2012;53(1):E70-81. doi: 10.1093/ilar.53.1.70.

Fiorito G, Affuso A, Anderson D B, Basil J, Bonnaud L, Botta G, Alison A, D'Angelo L, Girolamo P, Dennison N, Dickel L, Di Cosmo A, Di Cristo C, Gestal C, Fonseca R, Grasso F, Kristiansen T, Kuba M, Maffucci F, Manciooco A, Mark F C, 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.

Cephalopods in neuroscience: regulations, research and the 3Rs

Invert Neurosci. 2014; 14(1): 13–36. Published online 2014 January 3. doi: 10.1007/s10158-013-0165-x PMID: PMC3938841

Notarangelo A, Trombetta D, D'Angelo V, Parrella P, Palumbo O, Storlazzi CT, Impera L, Muscarella LA, La Torre A, Affuso A, Fazio VM, Carella M, Zelante L.

Establishment and genetic characterization of ANGM-CSS, a novel, immortal cell line derived from a human glioblastoma multiforme.

Int J Oncol. 2014 Mar;44(3):717-24. doi: 10.3892/ijo.2013.2224. Epub 2013 Dec 23.

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

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. Epub 2014 Jun 5.

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.

Cross-species toxicogenomic analyses and phenotypic anchoring in response to groundwater low-level pollution.

BMC Genomics. 2014 Dec 5;15:1067. doi: 10.1186/1471-2164-15-1067. - PMID: 25475078

Fiorito G, Affuso A, Basil J, Cole A, de Girolamo P, D'Angelo L, Dickel L, Gestal C, Grasso F, Kuba M, Mark F, Melillo D, Osorio D, Perkins K1, Ponte G, Shashar N, Smith D, Smith J, Andrews PL.

Guidelines for the Care and Welfare of Cephalopods in Research -A consensus based on an initiative by CephRes, FELASA and the Boyd Group.

Lab Anim. 2015 Jul;49(2 Suppl):1-90. doi: 10.1177/0023677215580006.

Santoro M, Di Nocera F, Iaccarino D, Lawton SP, Cerrone A, Degli Uberti B, D'Amore M, Affuso A, Hochscheid S, Maffucci F, Galiero G.

Pathology and molecular analysis of Hapalotrema mistroides (Digenea: Spirorchiiidae) infecting a Mediterranean loggerhead turtle Caretta caretta.

Dis Aquat Organ. 2017 Apr 20;124(2):101-108. doi: 10.3354/dao03117.

Pace A, Meomartino L, Affuso A, Mennonna G, Hochscheid S, Dipineto L.

Aeromonas induced polyostotic osteomyelitis in a juvenile loggerhead sea turtle Caretta caretta

Dis Aquat Organ. 2018 Dec 11;132(1):79-84. doi: 10.3354/dao03305.

F. Maffucci; A. Pace; A. Affuso; M. Ciampa; G. Treglia; A. Pignalosa; S. Hochscheid.

Carapace scute pattern anomalies in the loggerhead turtle: are they indicative of hatchling's survival probability?

Journal of Zoology. 2019 Dec 29. <https://doi.org/10.1111/jzo.12754>

Marchiori E., Giorgia Dotto G., Tessarin C., Santoro M., Affuso A., Tarricone L., Di Renzo L., Freggi D., Spoto V. and Marcer F. -

A pilot study on molecular diagnosis of Hapalotrema mistroides (Digenea: Spirorchiiidae) infection in blood samples of live loggerhead turtles Caretta caretta

BMC Veterinary Research 2020 <https://doi.org/10.1186/s12917-020-2232-y>

Mennonna, G., Lamagna, B., Affuso, A., Greco, A., Micieli, F., Costanza, D., Hochscheid, S. & Meomartino, L.

Normal ultrasonographic features of loggerhead (Caretta caretta) eyes.

Nat. Croat., Vol. 29, Suppl. 1., 3-10, 2020, Zagreb.

B. Lamagna, A. Affuso, F. Micieli, G. Mennonna, L. Meomartino, G. Della Valle, M. Ciampa, G. Treglia, S. Hochscheid

Comparison of IntraOcular Pressure measurement using rebound and applanation tonometry in loggerhead (Caretta caretta) sea turtles

J Zoo Wildl Med 2021 Jun;52(2):604-609. doi: 10.1638/2020-0070.