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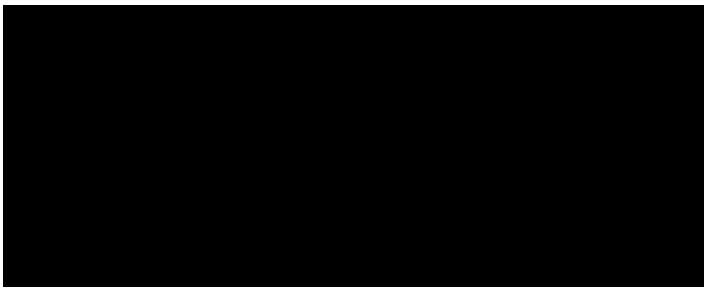

RESEARCH INTERESTS

Neuroanatomy of model organisms used in veterinary and biomedical research, with a particular focus on aquatic organisms
Laboratory animal sciences
e-learning
2023: Total publications: **59 -** Citations: **1300 -** H-Index **18** (source: IRIS)

CURRENT POSITION

2021 - present: Associate Professor of Veterinary Anatomy (SDS VET/01), University of Naples Federico II (https://www.mvpa-unina.org/)

RESEARCH EXPERIENCES

- 2013 - 2018: Academic Researcher (SDS VET/01)
- 2017 - 2020: Associate Researcher @Stazione Zoologica Anton Dohrn, Naples, Italy
- 2015: Visiting scientist - Laboratory of Biology of Aging @ Leibniz Institute on Aging Research, Jena (Germany) (www.leibniz-fli.de)
- 2013: Visiting scientist @ e-media Unit of Royal Veterinary College of London, UK (https://www.rvc.ac.uk/)
- 2012 - 2013: Post-doc fellow @ University of Naples Federico II
- 2010 - 2011: Guest scientist - Laboratory of Biology of Aging @ Leibniz Institute on Aging Research, Jena (Germany)

EDUCATION

- 2012: Post Degree School Specialization "Technology and Pathology of Birds, Rabbits and Game", University of Naples Federico II
- 2008 - 2012: Ph.D, European label, "Model Organisms in Biomedical and Veterinary Research", University of Naples Federico II - Supervisor: Prof. Paolo de Girolamo
- 2008 - 2009: Traineeship @ DG SANCO, Unit D1 "Animal health" European Commission
- 2001 - 2006: Master Degree in Veterinary Medicine, University of Naples Federico II (110/110 laude)

TEACHING ACTIVITIES

- 2021 - present: Massive On Line Open Course (MOOC): Neuroanatomia Veterinaria, Federica Weblearning, University of Naples Federico II (https://lms.federica.eu/enrol/index.php?id=119);
- Microscopic Anatomy of genital apparatus, Post-Degree Specialization School "Fisiopathology of Reproduction of Domestic Animals", University of Naples Federico II, a.y. 2020-21; 8 ECTS
- 2018 - present: Anatomy of Farm Animals, Bachelor level course: Technologies of Animal Production, University of Naples Federico II
- 2016 - present: Use of Animals for Scientific Purposes, Ph.D Course Veterinary Sciences, University of Naples Federico II
- 2013 - present: Integrative teaching of Veterinary Anatomy, Histology and Embryology, Degree course: Veterinary Medicine, University of Naples Federico II
- 2013 - present: Anatomy of Laboratory Animals, Post Degree School Specialization "Science and Medicine of Laboratory Animals", University of Naples Federico II

ACADEMIC SUPERVISION

Ph.D supervision:

Sara Fuochi - Ph.D in Veterinary Sciences - Thesis "Phenotypic characterization of wild-type animals to bridge a crucial knowledge gap"

Master Thesis:

- *In silico* studies aimed to reveals and localize spatial-temporal expression of numb gene during *Danio rerio* development with integrated documented Science dissemination activities. - Laura Pinfildi, Master degree in Biology, University of Naples Federico II

Post-Degree School of Specialization

- Ipertensione arteriosa: il topo come principale modello di studio dei meccanismi fisio - patologici e genetici dell'aumento della pressione nell'uomo. - Carla Palomba Carla, Michele Madonna, Carmelo Bruno, Science and Medicine of Laboratory Animals, University of Naples Federico II
- I teleostei e la ricerca biomedica: modelli per le patologie della vista. - Maria Lucia Suriano, Science and Medicine of Laboratory Animals, University of Naples Federico II

ACADEMIC DUTIES

- 2023 - present: Director of the Master Human Diseases Models Morphological Phenotyping (MorphoPHEN) - an ERASMUS MUNDUS Joint Master https://morphophen.eu/
- 2023 - present: Director of the Post-Degree Specialization School in Science and Medicine of Laboratory Animals
- 2022 - present: Member of the Department Board
- 2021 - present: Animal Welfare Officer, Zenolab facility, University of Naples Federico II
- 2018 - present: Member of the internal board of EAEVE (https://www.eaeve.org/), Dept Veterinary Medicine and Animal Production, University of Naples Federico II

OTHER WORK EXPERIENCES

- 2023 - present: Vice-President of Working Group of European Federation of Laboratory Animal Sciences Associations (FELAS) ~50.000 associated members https://felasa.eu/
- 2014 - 2019: Designated Veterinarian (Italian D.vo 26/2014 - transposition of Directive 2010/63/EU) @ Stazione Zoologica Anton Dohrn, Naples (http://www.szn.it/index.php/en/)
- 2014 - 2019: Member of the Animal Welfare Body (Italian D.vo 26/2014 - transposition of Directive 2010/63/EU) @ Stazione Zoologica Anton Dohrn, Naples (http://www.szn.it/index.php/en/)
- 2008 - 2009: Interim Contract @ European Commission, DG SANCO Unit E3 "Food Contaminants" (https://ec.europa.eu/info/index_en)

NETWORKS AND PROFESSIONAL MEMBERSHIPS

- 2023 – present: Vice-President for Working Groups of FELASA
- 2019 - 2022: Core trainers of FELASA Workshop Severity Assessment (https://felasa.eu/)
- 2013 - 2022: Italian Representative in the Board of Management of FELASA
- 2011 - 2019: Member of the FELASA Working Group to develop recommendations on Zebrafish husbandry and housing at European level
- 2017 - present: Member of Società Naturalisti in Napoli (http://www.societanaturalistinapoli.it/)
- 2015 - 2018: Vice-President of AISAL (Italian Association of Laboratory Animal Sciences) (https://www.aisal.org/)
- 2010 - present: Member of AISAL
- 2009 - present: Member of Italian Association of Veterinary Morphologists (AMV) (https://www.amv-aps.org/)

GRANTS AND FELLOWSHIPS

- 2023: “The NONO killifish Aphanius fasciatus as ecophysiological SENtinel of vulnerable coastal habitatS (NONOSENS)”– Principal Investigator of Local Unit - PRIN PNRR 2022 - Italian Ministry of University and Research
- 2023: “Notho-Diet: from chemosensory perception to husbandry standardization”. Principal Investigator/Coordinator of the Project - PRIN 2022 - Italian Ministry of University and Research
- 2023: “Determining the Link Between Hormones, Opioids and Taste Perception in Fish: A Pilot Project with Implications in Aquaculture and Food Sustainability” - Co-PI - Global Innovation Fund University of Saskatchewan (Canada)
- 2022: ERASMUS Mundus Joint Master “Human Diseases Models Morphological Phenotyping – MorphoPHEN” – PI of the UNINA - https://morphophen.eu/
- 2022: Responsible person of the Research Services with Materias https://www.materias.it/it/
- 2022: The Company of Biologist - Grant number EA485
- 2020: Progetto Federico, Lead applicant of a project on Innovative Teaching in Veterinary Medicine, University of Naples Federico II (http://www.progettofederico-rtdb.unina.it/)
- 2018 - 2021: PRECISION PATHOBIOLOGY for DISEASE MODELS (PATHBIO)
- Main partner of the European project "PRECISION PATHOBIOLOGY for DISEASE MODELS (PATHBIO)", Erasmus + Programme – Key Action 2 (KA2) — Cooperation for innovation and the exchange of good practices (www.pathbio.org)
- 2017 - 2020: Associate Researcher at Stazione Zoologica Anton Dohrn, Naples

- 2017: Food Intake in Aged Teleosts, University of Naples Federico II

AWARDS AND HONORS

- 2020: Italian Academic Qualification as Full Professor (SDS VET/01)
- 2017: Italian Academic Qualification as Associate Professor (SDS VET/01)
- 2015: AMV Award 2015
- 2013: Short Term Scientific Mission within Cost Action FA1301 (www.cephsinaction.org)

PUBLICATIONS

1. Forte N, Nicois A, Marfella B, **D'Angelo L**, Piscitelli F, Scandurra A, de Girolamo P, Baldelli P, Benfenati F, Di Marzo V, Cristino L. (**2023**). Early endocannabinoid-mediated depolarization-induced suppression of excitation delays the appearance of the epileptic phenotype in synapsin ii knockout mice. Cellular and Molecular Life Sciences. *In press.* **IF. 8.0**
2. Di Meo MC, Giacco A, Zarrelli A, Mandrone VM, D'Angelo L, Silvestri E, De Girolamo P, Varricchio E. (**2023**). Effects of Olea europaea L. Polyphenols on the Animal Welfare and Milk Quality in Dairy Cows. Animals (Basel) 13(20):3225. doi: 10.3390/ani13203225. **IF. 3.231**
3. Fuochi S, Rigamonti M, Raspa M, Scavizzi F, de Girolamo P, **D'Angelo L**. (**2023**). Data repurposing from digital home cage monitoring enlightens new perspectives on mouse motor behaviour and reduction principle. Scientific Reports 13(1):10851. doi: 10.1038/s41598-023-37464-8. **IF. 4.6**
4. Palladino A, De Felice E, Attanasio C, Barone CMA, Crasto A, **D'Angelo L**, Giaquinto D, Lambiase C, Scocco P, Serrapica F, Maruccio L. (**2023**). A Morphological and Ultrastructural Study of the Anterior Digestive Tract of Adult Nile Tilapia Oreochromis niloticus. Animals (Basel) 13(3):420. doi: 10.3390/ani13030420. **IF. 3.231**
5. Palladino A, Salerno A, Crasto A, Lucini C, Maruccio L, **D'Angelo L**, Netti PA, de Girolamo P, Cacchioli A, Attanasio C, Ravanetti F. (**2023**). Integration of micro-CT and histology data for vasculature morpho-functional analysis in tissue regeneration. Ann Anat. 245:152019. doi: 10.1016/j.aanat.2022.152019. **IF. 2.9**
6. De Felice E, Gatta C, Giaquinto D, Fioretto F, Maruccio L, d'Angelo D, Scocco P, de Girolamo P, **D'Angelo L**. (**2022**). Immunolocalization of Nesfatin-1 in the Gastrointestinal Tract of the Common Bottlenose Dolphin Tursiops truncatus. Animals (Basel). 12(16):2148. doi: 10.3390/ani12162148. **IF. 3.231**
7. Schiano V, Cutignano A, Maiello D, Carbone M, Ciavatta ML, Polese G, Fioretto F, Attanasio C, Palladino A, Felline S, Terlizzi A, **D'Angelo L**, de Girolamo P, Turano M, Lucini C, Mollo E. (**2022**). An Alkaloid from a Highly Invasive Seaweed Increases the Voracity and Reproductive Output of a Model Fish Species. Mar Drugs 20(8):513. doi: 10.3390/md20080513. **IF. 6.085**
8. Giaquinto D, De Felice E, Attanasio C, Palladino A, Schiano V, Mollo E, Lucini C, de Girolamo P, **D'Angelo L**. (**2022**). Central and Peripheral NPY Age-Related Regulation: A Comparative Analysis in Fish Translational Models. Int J Mol Sci. 23(7):3839. doi: 10.3390/ijms23073839. **IF. 6**
9. Fuochi S, Galasso ME, Colombo R, Giaquinto D, De Girolamo P, **D'Angelo L**. (**2022**). Puberty onset curve in CD (Sprague Dawley) and Long Evans outbred male rats. Laboratory Animals. 6:236772221078725. doi: 10.1177/00236772221078725. **IF. 2.5**

10. Leggieri A, Attanasio C, Palladino A, de Girolamo P, Lucini C, **D'Angelo L**. (**2022**). Neuronal Phenotype of col4a1 and col25a1: An Intriguing Hypothesis in Vertebrates Brain Aging. Int J Mol Sci. 2022 Feb 4;23(3):1778. doi: 10.3390/ijms23031778. **IF. 6**
11. de Girolamo P, **D'Angelo L**. (**2021**). Neurotrophins in the brain of teleost fish: the state of art. *Chapter*. Adv Exp Med Biol. 1331:289-307. doi: 10.1007/978-3-030-74046-7_20. **IF. 2.6**
12. Fuochi S, Rigamonti M, Iannello F, Raspa M, Scavizzi F, de Girolamo P, **D'Angelo L**. (**2021**). Phenotyping spontaneous locomotor activity in inbred and outbred mouse strains using Digital Ventilated Cages. Lab Anim (NY) 50(8):215-223. doi: 10.1038/s41684-021-00793-0. **IF. 9.7**
13. de Girolamo P, Bellier J-P, **D'Angelo L**. (**2021**). Brain Evolution: Clues From Aquatic Organisms. Frontiers in Neuroanatomy 15:683489. doi: 10.3389/fnana.2021.683489. **IF. 3.9**
14. Palladino A, Pizzoleo C, Mavaro I, Lucini C, **D'Angelo L**, de Girolamo P, Attanasio C. (**2021**). A combined morphometric approach to feature mouse kidney vasculature. Ann Anat. 30:151727. doi: 10.1016/j.aanat.2021.151727. **IF. 2.7**
15. Salzano A, Damiano S, **D'Angelo L**, Ballistreri G, Claps S, Rufrano D, Maggiolino A, Neglia G, De Palo P, Ciarcia R. (**2021**). Productive Performance and Meat Characteristics of Kids Fed a Red Orange and Lemon Extract. Animals (Basel) 11(3):809. doi: 10.3390/ani11030809. **IF. 2.8**
16. De Felice E, Giaquinto D, Damiano S, Salzano A, Fabroni S, Ciarcia R, Scocco P, de Girolamo P, **D'Angelo L**. (**2021**) Distinct Pattern of NPY in Gastro-Entero-Pancreatic System of Goat Kids Fed with a New Standardized Red Orange and Lemon Extract (RLE). Animals (Basel). 11(2):449. doi: 10.3390/ani11020449. **IF. 2.8**
17. Tunisi L, **D'Angelo L**, Fernández-Rilo AC, Forte N, Piscitelli F, Imperatore R, de Girolamo P, Di Marzo V, Cristino L. (**2021**). Orexin-A/Hypocretin-1 Controls the VTA-NAc Mesolimbic Pathway via Endocannabinoid-Mediated Disinhibition of Dopaminergic Neurons in Obese Mice. Front Synaptic Neurosci. 622405. doi: 10.3389/fnsyn.2021.622405. **IF. 4.5**
18. Leggieri A, Palladino A, Attanasio C, Avallone L, de Girolamo P, **D'Angelo L**, Lucini C. (**2020**). Id(entifying) the inhibitor of DNA binding 3 in the brain of Nothobranchius furzeri upon aging. J Anat. doi: 10.1111/joa.13367. **IF. 2.6**
19. Mavaro I, De Felice E, Palladino A, **D'Angelo L**, de Girolamo P, Attanasio C. (**2020**). Anatomical templates for tissue (re)generation and beyond. Biotechnol Bioeng. 117(12):3938-3951. doi: 10.1002/bit.27533. **IF. 4.5**
20. Imperatore R, Tunisi L, Mavaro I, **D'Angelo L**, Attanasio C, Safari O, Motlagh HA, De Girolamo P, Cristino L, Varricchio E, Paolucci M. (**2020**). Immunohistochemical Analysis of Intestinal and Central Nervous System Morphology in an Obese Animal Model (Danio rerio) Treated with 3,5-T2: A Possible Farm Management Practice? Animals (Basel). 10(7):1131. doi: 10.3390/ani10071131. **IF. 2.8**
21. de Girolamo P, Leggieri A, Palladino A, Lucini C, Attanasio C, **D'Angelo L**. (**2020**). Cholinergic System and NGF Receptors: Insights from the Brain of the Short-Lived Fish Nothobranchius furzeri. Brain Sci. 10(6), 394; doi.org/10.339/brainsci10060394. **IF. 3.4**
22. Montesano A, Felice E, Leggieri A, Palladino A, Lucini C, Scocco P, Girolamo P, Baumgart M, **D'Angelo L**. (**2020**). Ontogenetic Pattern Changes of Nucleobindin-2/Nesfatin-1 in the Brain and Intestinal Bulb of the Short Lived African Turquoise Killifish. J Clin Med. 9(1). pii: E103. doi: 10.3390/jcm9010103. **IF. 4.3**

23. Aleström P, **D'Angelo L**, Midtlyng PJ, Schorderet DF, Schulte-Merker S, Sohm F, Warner S. (**2019**). Zebrafish: Housing and husbandry recommendations. Lab Anim. 11:23677219869037. **IF. 1.5**
24. Imperatore R, **D'Angelo L**, De Girolamo P, Cristino L, Paolucci M. (**2019**). Identification of Orexin and Endocannabinoid Receptors in Adult Zebrafish Using Immunoperoxidase and Immunofluorescence Methods. J Vis Exp. (148). **IF. 1.2**
25. Leggieri A, Attanasio C, Palladino A, Cellerino A, Lucini C, Paolucci M, Terzibasi Tozzini E, de Girolamo P, **D'Angelo L**. (**2019**). Identification and Expression of Neurotrophin-6 in the Brain of Nothobranchius furzeri: One More Piece in Neurotrophin Research. J Clin Medicine 8(5). pii: E595. **IF. 3.3**
26. Tunisi L, Forte N, Fernández-Rilo AC, Mavaro I, Capasso R, **D'Angelo L**, Milić N, Cristino L, Di Marzo V, Palomba L. (**2019**). Orexin-A Prevents Lipopolysaccharide-Induced Neuroinflammation at the Level of the Intestinal Barrier. Front Endocrinol (Lausanne). doi: 10.3389/fendo.2019.00219. **IF. 3.7**
27. Cacialli P, Gatta C, **D'Angelo L**, Leggieri A, Palladino A, de Girolamo P, Pellegrini E, Lucini C. (**2019**). Nerve growth factor is expressed and stored in central neurons of adult zebrafish. J Anat. doi: 10.1111/joa.12986. **IF. 2.0**
28. Nuzzo T, Feligioni M, Cristino L, Pagano I, Marcelli S, Iannuzzi F, Imperatore R, **D'Angelo L**, Petrella C, Carella M, Pollegioni L, Sacchi S, Punzo D, De Girolamo P, Errico F, Canu N, Usiello A. (**2019**). Free d-aspartate triggers NMDA receptor-dependent cell death in primary cortical neurons and perturbs JNK activation, Tau phosphorylation, and protein SUMOylation in the cerebral cortex of mice lacking d-aspartate oxidase activity. Exp Neurol. 317:51-65. **IF. 4.7**
29. Montesano A, Baumgart M, Avallone L, Castaldo L, Lucini C, Terzibasi Tozzini E, Cellerino A, **D'Angelo L**, de Girolamo P. (**2019**) Age-related central regulation of orexin and NPY in the short lived African killifish Nothobranchius furzeri. J Comp Neurol. 527(9):1508-1526. **IF. 2.9**
30. Gatta C, De Felice E, **D'Angelo L**, Maruccio L, Leggieri A, Lucini C, Palladino A, Paolucci M, Scocco P, Varricchio E, de Girolamo P. (**2018**) The Case Study of Nesfatin-1 in the Pancreas of Tursiops truncatus. Front Physiol. 9:1845. **IF. 3.2**
31. Lucini C, **D'Angelo L**, Cacialli P, Palladino A, de Girolamo P. (**2018**). BDNF, Brain, and Regeneration: Insights from Zebrafish. Int J Mol Sci. 19(10). pii: E3155. **IF. 4.2**
32. Imperatore R, **D'Angelo L**, Safari O, Ahmadniaye Motlagh H, Piscitelli F, de Girolamo P, Cristino L, Varricchio E, Di Marzo V, Paolucci M. (**2018**). Overlapping Distribution of Orexin and Endocannabinoid Receptors and Their Functional Interaction in the Brain of Adult Zebrafish. Frontiers in Neuroanatomy, 12:62. **IF. 3.0**
33. Amodeo P, D'Aniello E, Defranoux F, Marino A, **D'Angelo L**, Ghiselin MT, Mollo E. (**2018**). The Suitability of Fishes as Models for Studying Appetitive Behavior in Vertebrates. Results Probl Cell Differ. 65:423-438.
34. Imperatore R, Coccia E, **D'Angelo L**, Varricchio E, De Girolamo P, Paolucci M. (**2018**). Evidence for leptin receptor immunoreactivity in the gastrointestinal tract and gastric leptin regulation in the rainbow trout (Oncorhynchus mykiss). Ann Anat. 220:70-78. **IF. 2.3**
35. Napolitano F, **D'Angelo L**, de Girolamo P, Avallone L, de Lange P, Usiello A. (**2018**). The Thyroid Hormone-target Gene Rhes a Novel Crossroad for Neurological and Psychiatric Disorders: New Insights from Animal Models. Neuroscience, 384:419-428. **IF. 3.3**

36. Cacialli P, **D'Angelo L**, Kah O, Coumailleau P, Gueguen MM, Pellegrini E, Lucini C. (**2018**). Neuronal expression of Brain Derived Neurotrophic Factor in the injured telencephalon of adult zebrafish. J Comp Neurol. 526(4):569-582. **IF. 3.3**
37. Cacialli P, **D'Angelo L**, de Girolamo P, Avallone L, Lucini C, Pellegrini E, Castaldo L. (**2018**). Morpho-functional features of the gonads of Danio rerio: the role of brain derived neurotrophic factor. The Anatomical Record 301(1):140-147. **IF. 1.4**
38. Mania M, Maruccio L, Russo F, Abbate F, Castaldo L, **D'Angelo L**, de Girolamo P, Guerrera MC, Lucini C, Madrigrano M, Levanti M, Germanà A. (**2017**). Expression and distribution of leptin and its receptors in the digestive tract of DIO (diet-induce obese) zebrafish. Ann Anat. 212:37-47. **IF. 1.9**
39. Cacialli P, Gueguen MM, Coumailleau P, **D'Angelo L**, Kah O, Lucini C, Pellegrini E. (**2016**). BDNF expression in larval and adult zebrafish brain: distribution and cell identification. PlosOne 11(6):e0158057. **IF. 2.8**
40. Maruccio L, Castaldo L, **D'Angelo L**, Gatta C, Lucini C, Cotea C, Solcan C, Nechita EL. (**2016**). Neurotrophins and specific receptors in the oviduct tracts of Japanese quail (Coturnix coturnix japonica). Ann of Anat, 207:38-46. **IF. 1.9**
41. **D'Angelo L**, Castaldo L, de Girolamo P, Lucini C, Paolucci M, Pelagalli A, Varricchio E, Arcamone N. (**2016**). Orexins and the receptor OX2R in the gastroenteric apparatus of two teleostean species: Dicentrarchus labrax and Carassius auratus. Anat record, 299(8):1121-9. **IF. 1.4**
42. Gatta C, Altamura G, Avallone L, Castaldo L, Corteggio A, **D'Angelo L**, de Girolamo P, Lucini C. (**2016**). Neurotrophins and their Trk-receptors in the cerebellum of zebrafish. J.of Morphology 277(6):725-36. **IF. 1.7**
43. **D'Angelo L**, Avallone L, Cellerino A, de Girolamo P, Paolucci M, Varricchio E, Lucini C. (**2016**). Neurotrophin-4 in the brain of adult Nothobranchius furzeri. Ann Anat. 207:47-54. **IF. 1.9**
44. **D'Angelo L**, Lossi L, Merighi A, de Girolamo P. (**2016**). Anatomical features for the adequate choice of experimental animal models in biomedicine: I. Fishes. Ann Anat. 205:75-84. **IF. 1.9**
45. Lossi L, **D'Angelo L**, De Girolamo P, Merighi A. (**2016**). Anatomical features for an adequate choice of experimental animal model in biomedicine: II. Small laboratory rodents, rabbit, and pig. Ann Anat. 204:11-28. **IF. 1.9**
46. 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 K, Ponte G, Shashar N, Smith D, Smith J, Andrews PL. (**2015**). 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. 49(2 Suppl):1-90. **IF. 1.6**
47. Maruccio L, **D'Angelo L**, de Girolamo P, Lucini C, Castaldo L. (**2014**). GDNF and GFRα co-receptor family in the developing feline gut. Ann Anat. 196(5):296-302. **IF. 1.5**
48. Gatta C, Castaldo L, Cellerino A, de Girolamo P, Lucini C, **D'Angelo L**. (**2014**). Brain derived neurotrophic factor in the retina of the teleost N. furzeri. Ann Anat. 196(4):192-6. **IF. 1.5**
49. **D'Angelo L**, Castaldo L, Cellerino A, de Girolamo P, Lucini C. (**2014**). Nerve growth factor in the adult brain of a teleostean model for ageing research: Nothobranchius furzeri. Ann Anat. 196(4):183-91. **IF. 1.5**
50. Arcamone N, **D'Angelo L**, de Girolamo P, Lucini C, Castaldo L. (**2014**). Orexin and orexin receptor like peptides in the gastroenteric tract of Gallus domesticus: an

immunohistochemical survey on presence and distribution. Res Vet Sci. 96(2):234-40. **IF. 1.4**

51. 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 López A, Tublitz N, Zullo N, Andrews P. (**2014**). Cephalopods in neuroscience: Regulations, Research and the 3Rs. Invert Neurosci. 14(1):13-36. **IF. 1**
52. **D'Angelo L**, de Girolamo P, Lucini C, Terzibasi ET, Baumgart M, Castaldo L, Cellerino A. (**2014**). Brain derived neurotrophic factor: mRNA expression and protein distribution in the brain of the teleost Nothobranchius furzeri. J Comp Neurol. 522(5):1004-30. **IF. 3.3**
53. **D'Angelo L**. (**2013**). Brain atlas of an emerging teleostean model: Nothobranchius furzeri. Anat Rec. 296:681-91. **IF. 1.6**
54. Lucini C, **D'Angelo L**, de Girolamo P, Castaldo L. (**2013**). RET receptor in the gut of developing cat. Res Vet Sci. 94:1-4. **IF. 1.5**
55. **D'Angelo L**, de Girolamo P, Cellerino A, Terzibasi Tozzini E, Varricchio E, Castaldo L, Lucini C. (**2012**). Immunolocalization of S100-Like Protein in the Brain of an Emerging Model Organism: Nothobranchius furzeri. Microsc Res Tech. 75:441-447. **IF. 1.6**
56. Lucini C, **D'Angelo L**, Patruno M, Mascarello F, de Girolamo P, Castaldo L. (**2011**). GDNF family ligand RET receptor in the brain of adult zebrafish. Neurosci Lett. 2011. 502:214-218. **IF. 2.1**
57. **D'Angelo L**, de Girolamo P, Cellerino A, Tozzini ET, Castaldo L, Lucini C. (**2011**). Neurotrophin Trk receptors in the brain of a teleost fish, Nothobranchius furzeri. Microsc Res Tech. 75:81-88. **IF. 1.8**
58. Dipineto L, Gargiulo A, Cuomo A, Santaniello A, Sensale M, Borrelli L, **D'Angelo L**, Menna LF, Fioretti A. (**2009**). Campylobacter jejuni in the red squirrel (Sciurus vulgaris) population of Southern Italy. Vet J. 179(1):149-50. **IF. 2.3**
59. Gargiulo A, Rinaldi L, **D'Angelo L**, Dipineto L, Borrelli L, Fioretti A, Menna LF. (**2008**). Survey of Campylobacter jejuni in stray cats in southern Italy. Lett Appl Microbiol. 46(2):267-70. **IF. 1.7**

TEXTBOOKS

- Co-Editor of the book “Laboratory Fish in Biomedical Research. Biology, husbandry and research applications for zebrafish, medaka, killifish, cavefish, stickleback, goldfish and *Danionella translucida*”, Elsevier (2021). *Chapter*: Fish as model system. ISBN 978-0-12-821099-4.
- Chapters contribution to the textbook “Practical Handbook on the 3Rs in the context of the directive 2010/63/EU”, Elsevier (2021). *Chapters*:

  - Anatomy, Physiological Features, Genetics and Genetic Alterations, Breeding and strain differences relevant to the choice of the model – Impact of 3Rs

  - Methods of Handling and Procedures
- Co-editor of Italian edition “Anatomia veterinaria", K.M. Dyce - Antonio Delfino Editore (2013).
- Co-editor of Italian edition “Atlante illustrato di Anatomia del cane", D. Budras - Antonio Delfino Editore (2011).

EDITORIAL AND REVIEWER ACTIVITIES

- Guest Editor of the Special Issue on International Journal of Molecular Sciences (MDPI) “Neurobiology of Aging and Aging-Related Disorders”
- Guest Editor of the Research Topic on Frontiers in Neuroanatomy "Brain Evolution: clues from aquatic organisms"
- Academic Editor of PlosOne
- Member of the Editorial Board of Laboratory Animal Journal (Sage) - Section Editor Aquatic Organisms
- Member of the Editorial Board of Brain Sciences - MDPI
- Member of the Editorial Board of Journal of Integrative Neuroscience - MDPI
- Member of the Reviewer Panel of the European Science Foundation https://www.esf.org/

Reviewer of selected peer-reviewed journals:
Cell reports
Faseb Journal
Brain, Behavior and Evolution
Scientific reports
Annals of Anatomy
Microscopy, Research and Techniques

CONFERENCES AND COURSES PRESENTATIONS

Invited speaker:

- 2023: “THE WELFARE OF ZEBRAFISH” CELAS Congress – Prague 30 May – 1st June 2023
- 2019: The second international Rita Levi Montalcini’s scientific meeting: the multiple life of nerve growth factor and on its potential clinical applications. Fondazione Iret, Alma Mater Studiorum, Università di Bologna (Italy)
- 2017: "Housing, husbandry and health monitoring of zebrafish" at the SGV Annual Meeting, Zurich (Switzerland)
- 2017: " Ricerca biomedica vs Replacement: attualità, evoluzione e prospettive dei modelli animali" at Istituto Superiore di Sanità, Rome (Italy)
- 2017: "PerFumum", organized by Università della Calabria
- 2016: "The Human Capital of Age", organized by Istituto Italiano di Studi Filosofici, Università degli Studi di Napoli Federico II, Università della Campania Luigi Vanvitelli.
- 2016: "Not only zebrafish: other teleostean models in biomedicine" University of Milano (Italy)
- 2016: "Zebrafish: un modello di replacement nella ricerca" - Giornata Studio sui Modelli Acquatici, Alma Mater Studiorum Università di Bologna (Italy).
- 2014: "Il modello zebrafish: biologia ed impiego nella ricerca biomedica" - Workshop su zebrafish, Università degli Studi di Trieste (Italy).
- 2012: "Guidelines for care and use of Fish in research: experience from FELASA working group" - Meeting of Technical Experts to develop Guidelines on Care and Welfare of Cephalopods in Research. Vico Equense (Napoli, Italy)

Courses presentations:

- 2023: “Anaesthesia and Humane Killing of Fish”, Aggiornamento Modulo 24 presso IZSLER 23-25 Maggio 2023

- 30/09/2020: “Zebrafish e altri pesci teleostei nella ricerca biomedica”, Corso di formazione ed aggiornamento per la protezione degli animali da laboratorio nella ricerca scientifica, Università Cattolica del Sacro Cuore, Rome
- 02/07/2020: "Classification and Reporting of Severity", Workshop of FELASA, Online, University of Naples Federico II
- 25/11/2019: "Classification and Reporting of Severity", Workshop of FELASA, Centro Ricerche Aptuit, Verona (Italy)
- 22/11/2019: "Zebrafish as model organism". Workshop @ CIRSAL - Università di Verona (Italy)
- 23/10/2019: "Classification and Reporting of Severity", Workshop of FELASA, Alma Mater Studiorum, Università di Bologna, (Italy)
- 23/07/2019: "Intestine and liver. Interpretation of virtual slides". PathBio Summer Course I, Barcelona (Spain)
- 23/05/2019: "Classification and Reporting of Severity", Workshop of FELASA, Università di Ferrara (Italy)
- 16/03/2017: "The Use of Zebrafish and other Aquatic Models in Biomedicine" (Istituto Italiano di Tecnologia, Genova, Italia)
- 1-2-3/12/2014: "Competenze in bioetica e norme per l'utilizzo degli organismi da ricerca"_PONa_239 (Stazione Zoologica Anton Dohrn, Napoli)
- 26/11/2014: The use of fish in the biomedical research - Corso "Scienza degli Animali da Laboratorio" FELASA accreditation - Fondazione Santa Lucia - Centro Europeo di Ricerca sul Cervello (CERC) - CNR (Italy)
- 12/11/2014: The use of fish in the biomedical research - Corso ad inviti per personale laureato che opera nel settore della sperimentazione animale - Organizzato da Istituto Superiore di Sanità – A.O.R.N. Cardarelli di Napoli – Università degli Studi di Napoli Federico II
- 3/3/2014: Zebrafish: biology, husbandry and health, and their use in biomedical research - Università degli Studi di Trieste
- 9/10/2013: The use of fish in the biomedical research - Corso base per personale tecnico che opera nel settore della sperimentazione animale - Organizzato da Istituto Superiore di Sanità – A.O.R.N. Cardarelli di Napoli – Università degli Studi di Napoli Federico II
- 10/9/2013: Zebrafish: biologia, gestione e stato sanitario, impiego nella ricerca - Corso per ispettori del Ministero della Salute – Stabilimenti utilizzatori di animali utilizzati a fini scientifici (ID RM 1/2013) - Organizzato da Ministero della Salute – Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna
- 27/1/2013: Neuroanatomy of dog - Master in Zooantropologia esperienziale: binomio uomo/animale per il lavoro di Pet Therapy e Attività assistite con animali - Dipartimento di Medicina Veterinaria e Produzioni Animali, Università degli Studi di Napoli Federico II
- 20/11/2012: Anatomy of bird flights - Wild Fauna: laws, health and management aspects - Corso ECM organizzato dall'Istituto Zooprofilattico Sperimentale del Mezzogiorno, Portici (Napoli)
- 6/11/2012: Anatomy of laboratory rodents - Corso base per personale tecnico che opera nel settore della sperimentazione animale organizzato da A.O.R.N. Cardarelli, Napoli
- 26/09 10/10/2012 Anatomy of laboratory animals - Master in Ricerca ed Innovazione nelle Scienze della Salute (RISS), Facoltà di Medicina e Chirurgia, Università degli Studi di Salerno

CONFERENCES AND COURSES ORGANIZATION

Conferences organization:

- 2022: Component of the Scientific Committee of the FELASA 2022 Congress (https://www.felasa2022.eu/scientific-committee/)
- 2022: 3rd Zebrafish Italian Meeting - Congress (https://zfim2022.wixsite.com/2022)
- 2021: Final Meeting of the Erasmus+ Project PathBio: Precision PathoBiology for Disease Models (http://www.pathbio.org/) and Satellite Meeting "Reproducibility and Translatability in Research: the Path forward" - Key-note Lecture Nobel Prize for Physiology or Medicine Prof. Mario Capecchi
- 2021: 3rd Zebrafish Italian Meeting - Webinars (https://zebrafishwebinar.webs.com/)
- 2019: 2nd Zebrafish Italian Meeting, University of Pisa (https://zfim2019.webs.com/)
- 2017 - present: Member of Scientific and Organizing Committees of ZF-MED, a joint initiative between University of Naples Federico II, University of Palermo and University of Salento with Tecniplast s.p.a. to disseminate the use of aquatic organisms in research
- 2016: Member of the Scientific Committee of XIII international congress of FELASA (Brussels, Belgium) (http://www.felasa2016.eu/)
- 2015 - 2018: Member of the scientific and organizing committees of Annual Congresses of AISAL
- 2013: Member of the Scientific Committee of XII international congress of FELASA (Barcelona, Spain)

Courses organization:

- 2021: Scientific Director - Corso base sull'utilizzo degli organismi acquatici a fini scientifici, Istituto Zooprofilattico dell'Emilia-Romagna e Lombardia (https://www.izsler.it/)
- 2018: Scientific Director - Zebrafish e altri modelli teleostei nella ricerca biomedica". Giornate di studio sull'impiego dei Modelli Acquatici a fini scientifici, Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise G. Caporale, Teramo (https://www.izs.it/IZS/)
- 2018: "Aspetti normativi dell'impiego dei pesci teleostei a fini scientifici". Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori, Meldola (Forlì)
- 2014: Faculty training school Biology and Care of Cephalopods, organized within the COST Action FA3101

Naples, 15th November 2023 

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