

PERSONAL INFORMATION

RAFFAELLA DE MARIA



📍 Affiliation (University of Turin)
 Department of Veterinary Sciences
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Sex F | Date of birth 07/02/1972 | Nationality Italy

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 / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input checked="" type="checkbox"/> X 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 December 2021 to present: Associate Professor in Veterinary Pathology at the Department of Veterinary Sciences – Largo Braccini 2 –Grugliasco (TO) Italy <https://www.veterinaria.unito.it>

From 2006 to November 2021: Assistant Professor in Veterinary Pathology at the Department of Veterinary Sciences – Largo Braccini 2 –Grugliasco (TO) Italy <https://www.veterinaria.unito.it>

From 2000 to 2006: post-doc fellowship in Veterinary Pathology at the Department of Veterinary Sciences – Largo Braccini 2 –Grugliasco (TO) Italy <https://www.veterinaria.unito.it>

From 1997 to 2000: PhD student in Comparative Oncology at the Department of Veterinary Sciences – Largo Braccini 2 – Grugliasco (TO) Italy <https://www.veterinaria.unito.it>

Occupation or position held

- ✓ Associate Professor at University of Turin (Department of Veterinary Sciences)
- ✓ Supervisor of research activities in molecular and cellular laboratories at Department of Veterinary Sciences
- ✓ Principal Investigator of Research Projects in Veterinary Comparative Oncology
- ✓ Tutor of PhD and post-doc students
- ✓ Researcher in comparative pathology

EDUCATION AND TRAINING

Education

Replace with EQF (or other) level if relevant

2000: Achievement of PhD degree in Comparative Oncology at University of Turin

1996: Achievement of Master Degree in Biological Sciences at University of Turin

Training

From 2000 to 2006: post-doc fellowship in Veterinary Pathology at the University of Turin

From 1997 to 2005: Training at IRCC (Institute of Cancer Research of Candiolo) - Candiolo (Italy) under the supervision of Full Professor Maria Flavia Di Renzo

- List of principal subjects covered or skills acquired

- 1) Critical thinking and problem solving.
- 2) Teamwork and collaboration.
- 3) Leadership
- 4) Perseverance and motivation
- 5) Researching scientific data online
- 6) Database consulting online
- 7) Bioinformatics tools for data analysis

WORK ACTIVITIES

Awards

International Awards

2012: CONSEGUITO PREMIO WIM MISDORP AWARD at 2th World Veterinary Cancer Congress Paris 1-3 march 2012 best oral presentation:

PDGFs/PDGFRs in canine osteosarcomas: new targets for innovative therapeutical strategies in comparative oncology. Autori: Lorella Maniscalco, Selina Iussich, Emanuela Morello, Marina Martano, Bartolomeo Biolatti, Fulvio Riondato, Leonardo Della Salda, Maria Rita Romanucci, Daniela Malatesta, Laura Bongiovanni, Federica Tirrito, Francesca Gattino, Paolo Buracco, **Raffaella De Maria**

Literature Prizes

2013: CONSEGUITO PREMIO WIM MISDORP AWARD at ESVONC Congress in Lisbon 2013 as best per la migliore presentazione scientifica dal titolo: Increased expression of IGF1 R is correlated to poorer survival in canine appendicular osteosarcoma Autori: Maniscalco Lorella, Iussich Selina, Morello Emanuela, Martano Marina, Francesca Gattino, Buracco Paolo, Biolatti Bartolomeo, and **De Maria Raffaella**

2014: Best Oro Europeo dei Patologi Veterinari Europei (ESVP2014) a Berlino: Maniscalco, S. Guil-Luna, S. Iussich, F. Gattino, Y. Millan, J. Martín de Las Mulas and R. De Maria THE PRESENCE OF THE SHORT FORM OF RON/STK TRANSCRIPT IS A PROGNOSTIC FACTOR OF POOR OUTCOME IN FELINE MAMMARY CARCINOMAS ESVP Berlin agosto 2014

2012: The present paper received the following prize "The Veterinary Journal's 2012 Junior Scientist Prize": L. Maniscalco, S. Iussich, J. Martín de las Mulas, Y. Millán, B. Biolatti, N. Sasakic, T. Nakagawa and **R. De Maria**, Activation of AKT2 in feline mammary carcinoma: a new prognostic factor in feline mammary tumors Vet J. 2012 Jan;191(1):65-71*.

2013: The present paper received the following prize "THE GEORGE FLEMING PRIZE" as the best paper published by The Veterinary Journal. Lorella Maniscalco, Selina Iussich, Emanuela Morello, Marina Martano, Bartolomeo Biolatti, Fulvio Riondato, Leonardo Della Salda, Mariarita Romanucci, Daniela Malatesta, Laura Bongiovanni, Federica Tirrito, Francesca Gattino, Paolo Buracco, and **Raffaella De Maria** 'PDGFs and PDGFRs in canine osteosarcoma: New targets for innovative therapeutic strategies in comparative oncology' The Veterinary Journal 2013, 195, 41-47.

Editorial activity

- 1) Since 2019 is member of Topical Advisory Panel Members of Cancers (MDPI)
- 2) Guest Associate Editor in Comparative and Clinical Medicine of Frontiers in the Topic: Canine Osteosarcoma as a Model in Comparative Oncology: Advances and Perspective

Invited presentations

- 1) 2014 Congresso Trentennale SCIVAC –RIMINI
Relazione: Caratterizzazione patologica e molecolare del melanoma maligno canino.
- 2) 2015 Seminar at CZECH University of Life Sciences di PRAGA dal titolo: "Tyrosine kinases receptors in canine osteosarcomas"

Grants

- 1) Financial Institution: Compagnia San Paolo
Call number; IDORTO1179JL
Title: Tyrosine kinases receptors in canine osteosarcoma: molecular targets for innovative therapeutical strategies".
Role: Principal Investigator
- 2) Financial Institution: Ministry of Science and Innovation of the Spanish Government
Call number; AGL2011-025553.
Title: Influence of the progesterone receptor in the tumor suppressor role of canine mammary carcinoma myoepithelial cells: in vivo and in vitro studies.
Role: Principal Investigator
- 3) Financial Institution: CIPE
Title: Canine osteosarcoma in comparative oncology: development of molecular targets for the development of innovative therapies.
Role: Participant (Principal Investigator: Prof.ssa Maria Flavia Di Renzo)

Patents

2008: National Patent: Procedimento e Kit per la rilevazione della somministrazione di sostanze estrogeniche esogene nei bovini. Inventori designati: Raffaella De Maria, Divari Sara, Bartolomeo Biolatti Depositata il 8 luglio 2008 con N. TO2008A000526 Rif I0131029-EC

ADDITIONAL INFORMATION

Publications

Number of total publications in peer-review journals in the last ten years (2012-2022) **35**

Impact Factor (2020 journal IF wos) of the total papers of last ten years **97**

Average IF/paper of the last ten years **2,7**

Total number of citations: **798**

H index **18** (Scopus)

Selected publications of the last 10 years

- 1) Gola C, Giannuzzi D, Rinaldi A, Iussich S, Modesto P, Morello E, Buracco P, Aresu L, De Maria R. Genomic and Transcriptomic Characterization of Canine Osteosarcoma Cell Lines: A Valuable Resource in Translational Medicine. *Front Vet Sci.* 2021 May 17;8: 666838.
doi: 10.3389/fvets.2021.666838.
- 2) Gola C, Iussich S, Noury S, Martano M, Gattino F, Morello E, Martignani E, Maniscalco L, Accornero P, Buracco P, Aresu L, De Maria R. Clinical significance and in vitro cellular regulation of hypoxia mimicry on HIF-1 α and downstream genes in canine appendicular osteosarcoma. *Vet J.* 2020 Oct; 264:105538.
doi: 10.1016/j.tvjl.2020.105538.
- 3) Sánchez-Céspedes R, Accornero P, Miretti S, Martignani E, Gattino F, Maniscalco L, Gola C, Iussich S, Martano M, Morello E, Buracco P, Aresu L and De Maria R. In vitro and in vivo effects of toceranib phosphate on canine osteosarcoma cell lines and xenograft orthotopic models. *Vet Comp Oncol.* 2020 Mar;18(1):117-127. Epub 2019 Dec 15. PMID: 31816142.
doi: 10.1111/vco.12562.
- 4) Maniscalco L, Iussich S, de Las Mulas JM, Millán Y, Biolatti B, Sasaki N, Nakagawa T, De Maria R. Activation of AKT in feline mammary carcinoma: a new prognostic factor for feline mammary tumours. *Vet J.* 2012 Jan;191(1):65-71. Epub 2011 Feb 1. PMID: 21282070
doi:10.1016/j.tvjl.2010.12.016.
- 5) Iussich S, Maniscalco L, Di Sciuva A, Iotti B, Morello E, Martano M, Gattino F, Buracco P, De Maria R. PDGFRs expression in dogs affected by malignant oral melanomas: correlation with prognosis. *Vet Comp Oncol.* 2017 Jun;15(2): 462-469. Epub 2016 Feb 1. PMID: 26833575.
doi: 10.1111/vco.12190
- 6) Maniscalco L, Iussich S, Morello E, Martano M, Gattino F, Miretti S,

Biolatti B, Accornero P, Martignani E, Sánchez-Céspedes R, Buracco P, De Maria R. Increased expression of insulin-like growth factor-1 receptor is correlated with worse survival in canine appendicular osteosarcoma. *Vet J.* 2015 Aug;205(2):272-80. Epub 2014 Sep 10. PMID: 25257352.

doi: 10.1016/j.tvjl.2014.09.005.

7) Maniscalco L, Iussich S, Morello E, Martano M, Biolatti B, Riondato F, Della Salda L, Romanucci M, Malatesta D, Bongiovanni L, Tirrito F, Gattino F, Buracco P, De Maria R. PDGFs and PDGFRs in canine osteosarcoma: new targets for innovative therapeutic strategies in comparative oncology. *Vet J.* 2013 Jan;195(1):41-7. Epub 2012 Jun 14. PMID: 22704137.

doi: 10.1016/j.tvjl.2012.05.003

8) Maniscalco L, Guil-Luna S, Iussich S, Gattino F, Trupia C, Millan Y, de Las Mulas JM, Cespedez RS, Saeki K, Accornero P, De Maria R. Expression of the Short Form of RON/STK in Feline Mammary Carcinoma. *Vet Pathol.* 2019 Mar;56(2):220-229.

9) Riccardo F, Iussich S, Maniscalco L, Lorda Mayayo S, La Rosa G, Arigoni M, De Maria R, Gattino F, Lanzardo S, Lardone E, Martano M, Morello E, Prestigio S, Fiore A, Quaglino E, Zabarino S, Ferrone S, Buracco P, Cavallo F. CSPG4-specific immunity and survival prolongation in dogs with oral malignant melanoma immunized with human CSPG4 DNA. *Clin Cancer Res.* 2014 Jul 15;20(14):3753-62.

doi: 10.1158/1078-0432.CCR-13-3042

10) Riccardo F, Tarone L, Iussich S, Giacobino D, Arigoni M, Sammartano F, Morello E, Martano M, Gattino F, De Maria R, Ferrone S, Buracco P, Cavallo F. Identification of CSPG4 as a promising target for translational combinatorial approaches in osteosarcoma. *Ther Adv Med Oncol.* 2019 Jun 6;11:

doi: 10.1177/1758835919855491.

Torino 28 gennaio 2022

In fede

Raffaella De Maria

