

# Paolo Zucca

D.V.M., Ph.D., B.Sc. Psychology

I am a veterinarian and psychologist with expertise in public health, project management, biological risk assessment, personnel training, medical intelligence, and computational linguistics. I obtained my D.V.M. from Parma University, a Ph.D. in Animal Physiology and Ethology from Bologna University, and a B.Sc. in Psychology from Trieste University. I also hold two postgraduate specializations. After my ten-year academic career, I currently serve as a veterinary officer in Friuli Venezia Giulia Region, Italy. I am recognized as an expert by TAIEX (Technical Assistance and Information Exchange instrument of the European Commission) and EFSA (European Food Safety Authority). Additionally, I am certified as an Auditor of the public health system and as a Wildlife and Bee medicine expert. I am the lead author of numerous scientific publications and books focusing on health risk assessment and prevention at the human-animal interface level.

WORK EXPERIENCE	
■	<b>Project Manager - Principal – Lead Partner EU “Bio-crime” Project</b> zoonosis, emergency management, best practices, illegal animal trade, biosafety and education.
■	<b>Veterinary Officer</b> , Central Directorate for Health, Friuli Venezia Giulia Region, Italy. Veterinary advice on disease prevention and preparedness, Law Enforcements training programs on biological risks.
■	<b>Laboratory Animal care committee consultant</b> for several universities and research centers.
■	<b>Wildlife and Bee Veterinarian</b> Scientific consultant to several regional, national and international parks, universities, public institutions and private practices.
TEACHING EXPERIENCE	
■	<b>Lecturer in Comparative Psychology and Ethology</b> Univ. of Teramo and Trieste, Contract professor Univ. of Parma, PhD Reviewer for several Italian and European Universities.
■	<b>Seminars and training courses to public officers</b> Theoretical and practical training in Veterinary Medical Intelligence, zoonoses and biological risks in Italy and abroad.
EDUCATION	
■	<b>Post-degree Specialization in Aquatic Animal Health</b> , University of Udine, Italy.
■	<b>Post Doc in Psychobiology and Physiological Psychology</b> , University of Trieste, Italy.
■	<b>B.Sc. in Psychology</b> ( <i>Summa cum laude</i> ), University of Trieste, Italy.
■	<b>Ph.D. in Veterinary Physiology and Ethology</b> ( <i>Summa cum laude</i> ), University of Bologna, Italy.
■	<b>Doctor in Veterinary Medicine</b> ( <i>Summa cum Laude</i> ), University of Parma, Italy.

TECHNICAL SKILLS	
■	Project management, training courses, emergency best practices development and improvement, sentiment analysis and data analysis, research, able to work in Win as OS environment, Office, Adobe, Stat programs, web management.
RESEARCH KEYWORDS	
■	Zoonoses, biological risk, animal behavior, animal welfare, computational linguistic, behavioral analysis.
PROFESSIONAL CERTIFICATES	
■	<b>Auditor</b> for the public health system.
■	<b>Certified in Animal Assisted Intervention (IAA)</b> as Veterinarian and Psychologist – Italian Ministry of Health National IAA Reference Center.
■	<b>Certified as 1. Wildlife/Exotic animal Veterinarian, 2. Veterinary Behaviourist and 3. Bee Veterinarian</b> from Italian Federation of the Veterinary Colleges.
COMMITTEE & EXPERT	
■	<b>TAIEX expert</b> (Technical Assistance and Information Exchange instrument of the European Commission) <b>EFSA expert</b> (European Food Safety Authority).
■	<b>Scientific Reviewer</b> for many international scientific journals including Animal Cognition, Journal of Veterinary Medicine, Psychonomic Bulletin & Review, Laterality, Neuroscience Letters, Behavioural Ecology, Behavioural Processes, Veterinary Record Open, Gestalt Theory Journal, EcoHealth, Journal of Wildlife Diseases, Scientific Reports Nature.

	<b>LANGUAGES</b>
■	English (C1).
	<b>PUBLICATION (selection)</b>
•	Zucca P, Scagliarini A, Ramma Y, Khan Ali S (2022) Zoonoses - Diseases Naturally Transmitted From Animals to Humans. <i>Frontiers for Young Minds</i> , <a href="http://dx.doi.org/10.3389/frym.2022.833893">http://dx.doi.org/10.3389/frym.2022.833893</a>
•	Zucca P. (2022) Four cognitive-ecological biases that reduce integration between medical and cyber intelligence and represent a threat to cybersecurity, DOI: <a href="https://doi.org/10.1016/j.fsiae.2022.100046">10.1016/j.fsiae.2022.100046</a>
•	Zucca P. (2021) Illegal animal trade across Europe as an organised crime: the time us up. EU Parliament - Intergroup on the welfare and conservation of animals - Online Platforms as facilitators of organised crime, Bruxelles, European Parliament. DOI: <a href="https://doi.org/10.13140/RG.2.2.26063.41121">10.13140/RG.2.2.26063.41121</a>
•	Zucca P, Rossmann M-C, Dodic M, et al. (2021) What Do Adolescents Know About One-Health and Zoonotic Risks? A School-Based Survey in Italy, Austria, Germany, Slovenia, Mauritius, and Japan. <i>Front. Public Health</i> 9:658876. doi: <a href="https://doi.org/10.3389/fpubh.2021.658876">10.3389/fpubh.2021.658876</a> [9,561 views]
•	Cocchi M, Danesi P, De Zan G, Leati M, Gagliazzo L, Ruggeri M, Palei M, Bremini A, Rossmann M-C, Lippert-Petschornig M, Mansfeld M-D, Deotto S, Leardini S, Gobbo F, Zucca P, De Benedictis P. A Three-Year Biocrime Sanitary Surveillance on Illegally Imported Companion Animals. <i>Pathogens</i> . 2021; 10(8):1047. <a href="https://doi.org/10.3390/pathogens10081047">https://doi.org/10.3390/pathogens10081047</a>
•	Baciadonna L, Zucca P and Samour J (2021) Laterality preferences at rest and predatory behaviour of the Gyrfalcon ( <i>Falco rusticolus</i> ): An alpha predator of the sky, <i>Laterality</i> , <a href="https://doi.org/10.1080/1357650X.2021.1958831">https://doi.org/10.1080/1357650X.2021.1958831</a> , (1-15)
•	Zucca P, Rossmann M-C, Osorio JE, Karem K, et al. (2020) The "Bio-Crime Model" of Cross-Border Cooperation Among Veterinary Public Health, Justice, Law Enforcements, and Customs to Tackle the Illegal Animal Trade/Bio-Terrorism and to Prevent the Spread of Zoonotic Diseases Among Human Population. <i>Front. Vet. Sci.</i> 7:593683. <a href="https://doi.org/10.3389/fvets.2020.593683">https://doi.org/10.3389/fvets.2020.593683</a> [4,808 views]
•	Zucca P (2020) The Zoonosecene: the new geological epoch of intensive breeding, of wildlife trade, of antibiotic resistance and of pandemic diseases, following the Anthropocene. <i>Platinum</i> , Sole 24Ore English Edition. DOI: <a href="https://doi.org/10.13140/RG.2.2.16949.50408/1">10.13140/RG.2.2.16949.50408/1</a>
•	Zucca P, Milos N, Vallortigara G (2007) Piagetian object permanence and its development in Eurasian Jays ( <i>Garrulus glandarius</i> ). <i>Animal Cognition</i> , 10:243-58.
•	Gionechetti F., Zucca P., Gombac F., Monti-Bragadin C., Lagatolla C, Tonin E., Edalucci E, Vitali L.A., and Dolzani L. (2008) Characterization of Antimicrobial Resistance and Class 1 Integrons in Enterobacteriaceae Isolated from Mediterranean Herring Gulls ( <i>Larus cachinnans</i> ). <i>Microbial Drug Resistance</i> Volume 14, Number 2, DOI: 10.1089

- Baciadonna L., Zucca P., Tommasi L. (2010) Posture in ovo as a precursor of footedness in ostriches (*Struthio camelus*). *Behavioural Processes*, 83, 130-133.
- Zucca P, Cerri F, Carluccio A, Baciadonna L. (2011) Space availability influence laterality in donkeys (*Equus asinus*). *Behav Processes*, 88(1):63-6. doi: [10.1016/j.beproc.2011.06.012](https://doi.org/10.1016/j.beproc.2011.06.012). Epub 2011 Jul 7
- Zucca P., Baciadonna L., Masci S., Mariscoli M. (2010) Illness as a source of variation of laterality in lions (*Panthera leo*). *Laterality*, 16(3):356-66. Epub 2010 Nov 4. [17 Cit.]
- Zucca P., Palladini A., Baciadonna L., Scaravelli D. (2010) Handedness in the echolocating Schreiber's long-fingered bat (*Miniopterus schreibersii*). *Behavioural Processes*, 2010 Jul;84(3):693-5
- Zucca P., Di Guardo G., Pozzi-Mucelli R., Scaravelli D., Francese M. (2004) Use of computer tomography for imaging of *Crassicauda grampicola* in a Risso's Dolphin (*Grampus griseus*). *Journal of Zoo and Wildlife Medicine*. (35), 3: 391-394.
- Rogers J.L., Zucca P., Vallortigara G. (2004) Advantage of having a lateralized brain. *The Royal Society, Biology letters. Proc. R. Soc. Lond. B (Suppl.)*, 271:420-422. [596 Cit.] <https://doi.org/10.1098/rsbl.2004.0200>

#### Book chapters

- Spanjol K, Zucca P. (2023) Biophilia, One Health and Humane Education: mitigating global risk through transformation fo humanity's relationship with the natural world. Multivolume book "Developments in managing and exploiting risks", De Gruyter, [link](https://doi.org/10.1515/9783110681047).
- Zucca P. (2016) Avian cognition and welfare. In *Avian Medicine*. Eds J. H. Samour. Colour atlas series, Third Edition. Elsevier Ltd Edinburgh.
- Zucca P. (2013) Clinical cases (wildlife and small mammals). In *Exotic Animal Medicine: Review and Test*. Ed. J. Samour. Elsevier Publishing Ltd, UK, ISBN: 9780702044441.
- Zucca P. (2013) Parasitology cases (wildlife and avian). In *Self-Assessment Colour Review in Veterinary Parasitology*. Ed. H. Elsheika. Manson Publishing Ltd, UK, ISBN: 9781840761887.
- ZUCCA P. *Wildlife and Avian Parasitology Cases* (2011). In El Sheika H. (ed.), *Self-Assessment Colour Reviews in Veterinary Medicine: Parasitology*. Manson Publishing.
- Zucca P., Delogu M. Cavalli F. (2007) Advanced Diagnostic Imaging. In *Avian Medicine*. Eds J. H. Samour. Colour atlas series, Second Edition. Elsevier Ltd Edinburgh.
- Zucca P. (2002) Anatomy. In *Birds of Prey: Health and disease*. 3rd Edition. Ed. Cooper J.E., Blackwell Publishing, Oxford, UK, pp 13-27.
- Zucca P., Cooper J.E. (2001) Osteological aspects of the Falcon Wing. In *Raptor Biomedicine III*. Eds. Lumeij J.T., Redig P.T., Remple J.D., Cooper J.E., Lierz M., Zoological Education Network Inc., Lake Worth (FL), pp 195-199.
- Zucca P. (2000) Parasitic diseases. *Arthropods, Protozoa, Helminths*. In *Avian Medicine*. Eds J. H. Samour. Colour atlas series. Mosby-Wolfe, London, pp 219-245.