

Europass Curriculum Vitae



Personal information

First name / Surname **Marco GALAVERNI**

Nationality Italian

Gender Male

Working Experience

Dates March 2017 – today

Occupation or position held Programme & Oases Director [previously: Scientific Director (2020) / Species and habitat conservation officer (2017-2019)]

Principal subjects/occupational tasks covered Coordination of conservation projects on threatened habitats and species, with particular focus on large carnivores.

Name and type of organisation WWF Italia, Rome, Italy

Dates October 2020 – June 2021

Occupation or position held External professor (pro bono) for the master course in Wildlife Management, Conservation and Control (classe di laurea magistrale LM-86 - Scienze zootecniche e tecnologie animali), academic year 2020/2021

Principal subjects/occupational tasks covered Optional course in Conservation and Genetic Monitoring of Wild Predators (2 CFU, BIO/05)

Name and type of organisation Università di Sassari, Veterinary Department

Dates March 2015 – December 2016

Occupation or position held Research collaborator (ISPRA contract 11/2014)

Principal subjects/occupational tasks covered Genetic characterization of wild populations of Wolf, Wildcat, Roe Deer, Hare and potential hybrids by means of molecular analyses, new markers development and set up of genomic databases

Name and type of organisation ISPRA (National Institute for Environmental Protection and Research), Italy

Dates December 2015 – June 2016

Occupation or position held High School teacher (9 hrs/week)

Principal subjects/occupational tasks covered Assistance in teaching with specific tutoring of students with learning difficulties

Name and type of organisation	Istituto Istruzione Superiore B. Scappi, Castel San Pietro Terme (BO), Italy
Dates	March 2013 to March 2014 (1 year)
Occupation or position held	Research fellow (ISPRA grant 09/2012)
Principal subjects/ occupational tasks covered	Analysis of genetic data on large carnivores in Italy in order to develop sustainable demographic models.
Name and type of organisation	ISPRA (National Institute for Environmental Protection and Research), Italy

Education and training

Dates	January 2009 to May 2012
Title of qualification awarded	Doctoral degree (PhD) in Biodiversity and Evolution
Principal subjects/ occupational skills covered	Ecological genetics and conservation genomics of wolf (<i>Canis lupus</i>)
Name and type of organisation providing education and training	University of Bologna, Italy [in collaboration with ISPRA - National Institute for Environmental Protection and Research (2-year residency) and UCLA - University of California, Los Angeles (1-year secondment)]
Level in national or international classification	Excellent (institution's classification)
Dates	October 2006 – July 2008
Title of qualification awarded	2nd Level - Master Degree (M. Sc)
Principal subjects/ occupational skills covered	Conservation and Management of Natural Heritage (Class of Nature Sciences)
Name and type of organisation providing education and training	University of Bologna, Italy
Level in national or international classification	110 / 110 <i>cum laude</i> (national classification)
Dates	October 2003 – July 2008
Title of qualification awarded	Licence of <i>Collegio Superiore</i> (the School of excellence of the University of Bologna)
Principal subjects/ occupational skills covered	Interdisciplinary topics, ranging from energy production to philosophy
Name and type of organisation providing education and training	Institute for Advanced Studies (ISA), University of Bologna

Academic achievements

Publications - Harmoinen, J., von Thaden, A., Aspi, J., Kvist, L., Cocchiararo, B.,

- Jarausch, A., ...**Galaverni M**, ..., & Nowak, C. (2021). Reliable wolf-dog hybrid detection in Europe using a reduced SNP panel developed for non-invasively collected samples. *BMC genomics*, 22(1), 1-15.
- Nespoli, D., Pellegrino, I., **Galaverni, M.**, Caniglia, R., Sunyer, J., Mengoni, C., ... & Brambilla, M. (2021). Disentangling the taxonomic status and phylogeographic structure of Marmora's (Curruca sarda) and Balearic Warbler (Curruca balearica): a genetic multi-marker approach. *Journal of Ornithology*, 1-10.
 - Silva P, **Galaverni M**, Ortega D, ..., Godinho R (2020) Genomic evidence for the Old divergence of Southern European wolf populations. *Proceedings of the Royal Society B: Biological Sciences* 287(1931):20201206
 - Musto C, Caniglia R, Fabbri E, **Galaverni M**, Romagnoli N, Pinna S, Berti E, Naldi M, Bologna E, Molinari L, Del Magno S, Delogu M (2020) Conservation at the individual level: successful rehabilitation and post-release monitoring of an Italian wolf (*Canis lupus italicus*) injured in a car accident. *Veterinarski Arhiv*, 90 (2), 205-212, DOI:10.24099/vet.arhiv.0727
 - Caniglia R, **Galaverni M**, Velli E, Mattucci F, Canu A, Apollonio M, Mucci N, Scandura M, Fabbri E (2020) A standardized approach to empirically define reliable assignment thresholds and appropriate management categories in deeply introgressed populations. *Scientific Reports*, 10:2862 <https://doi.org/10.1038/s41598-020-59521-2>
 - Mattucci F, **Galaverni M**, Lyons LA, Alves PC, Randi E, Velli E, Pagani L, Caniglia R (2019) Genomic approaches to identify hybrids and estimate admixture times in European wildcat populations. *Scientific Reports*, 9:11612, <https://doi.org/10.1038/s41598-019-48002-w>
 - Donfrancesco V, Ciucci P, Salvatori V, Benson D, Andersen LW, Bassi E, ..., **Galaverni M**, ... , Capitani C (2019) Unravelling the scientific debate on how to address wolf-dog hybridization in Europe. *Frontiers in Ecology and Evolution*, 7, 175.
 - Ciucani MM, Palumbo D, **Galaverni M**, Serventi P, Fabbri E, Ravegnini G, ... & Cilli E (2019) Old wild wolves: ancient DNA survey unveils population dynamics in Late Pleistocene and Holocene Italian remains. *PeerJ*, 7, e6424.
 - Velli E, Fabbri E, **Galaverni M**, Mattucci F, Mattioli L, Molinari L, Caniglia R (2019) Ethanol versus swabs: what is a better tool to preserve faecal samples for non-invasive genetic analyses? *Hystrix, the Italian Journal of Mammalogy*, 30(1), 24-29.
 - Mattucci F, **Galaverni M**, Pertoldi C, Fabbri E, Sliwa A, Caniglia R (2019) How to spot a black-footed cat? Successful application of cross-species markers to identify captive-bred individuals from non-invasive genetic sampling. *Mammal Research*, 64(1), 133-145.
 - Angelici FM, Ciucani MM, Angelini S, Annesi F, Caniglia R, Castiglia R, Fabbri E, **Galaverni M**, ... & Cilli E (2019). The Sicilian wolf: genetic identity of a recently extinct insular population. *Zoological science*, 36(3), 189-197.
 - Fabbri E, Velli E, D'Amico F, **Galaverni M**, Mastrogioseppe L, Mattucci F, Caniglia R (2018). From predation to management: monitoring wolf distribution and understanding depredation patterns from attacks on livestock. *Hystrix, the Italian Journal of Mammalogy*, 29(1), 101-110.
 - Caniglia R, Fabbri E, Hulva P, Bolfíková BČ, Jindřichová M, Stronen AV, ... & **Galaverni M** (2018). Wolf outside, dog inside? The genomic make-up of the Czechoslovakian Wolfdog. *BMC genomics*, 19(1), 533.
 - Milanese P, Caniglia R, Fabbri E, Puopolo F, **Galaverni M**, Holderegger R (2018). Combining Bayesian genetic clustering and ecological niche modeling: Insights into wolf intraspecific genetic structure. *Ecology and*

- evolution*, 8(22), 11224-11234.
- Schweizer RM, Durvasula A, Smith J, Vohr SH, Stahler DR, **Galaverni M**, ... & Green RE (2018). Natural selection and origin of a melanistic allele in North American gray wolves. *Molecular biology and evolution*, 35(5), 1190-1209.
 - Kusak J, Fabbri E, Galov A, Gomerčić T, Arbanasić H, Caniglia R, **Galaverni M**, ... & Randi, E. (2018). Wolf-dog hybridization in Croatia. *Veterinarski arhiv*, 88(3), 375-395.
 - **Galaverni M**, Caniglia R, Pagani L, Fabbri E, Boattini A, Randi E (2017) Disentangling timing of admixture, patterns of introgression and phenotypic indicators in a hybridizing wolf population. *Molecular Biology and Evolution*, DOI: 10.1093/molbev/msx169.
 - Montana L, Caniglia R, **Galaverni M**, et al. (2017) Combining phylogenetic and demographic inferences to assess the origin of the genetic diversity in an isolated wolf population. *PLoS One*, 12(5):1-19.
 - Montana, L., Caniglia, R., **Galaverni, M.**, Fabbri, E., & Randi, E. (2017). A new mitochondrial haplotype confirms the distinctiveness of the Italian wolf (*Canis lupus*) population. *Mammalian Biology-Zeitschrift für Säugetierkunde*, 84, 30-34.
 - Poglayen, G., Gori, F., Morandi, B., Galuppi, R., Fabbri, E., Caniglia, R., Milanesi P, **Galaverni M.**, Randi E, Marchesi B, Deplazes, P. (2017). Italian wolves (*Canis lupus italicus* Altobello, 1921) and molecular detection of taeniids in the Foreste Casentinesi National Park, Northern Italian Apennines. *International Journal for Parasitology: Parasites and Wildlife*, 6(1), 1-7.
 - **Galaverni M**, Caniglia R, Fabbri E, Milanesi P, Randi E (2016) One, no one, or one hundred thousand: how many wolves are there currently in Italy? *Mammal Research* 61:13-24.
 - Milanesi P, Holderegger R., Caniglia R, Fabbri E, **Galaverni M**, Randi E (2016) Expert-based versus habitat-suitability models to develop resistance surfaces in landscape genetics. *Oecologia* 1-13.
 - Caniglia R, **Galaverni M**, Delogu M, Fabbri E, Musto C, Randi E (2016) Big bad wolf or man's best friend? Unmasking a false wolf aggression on humans. *Forensic science international: genetics* 24:e4-e6.
 - Fan Z, Silva P, Gronau I, Wang S, Armero AS, Schweizer RM, Ramirez O, Pollinger J, **Galaverni M**, Ortega Del-Vecchyo D, Du L, Zhang W, Zhang Z, Xing J, Vilà C, Marques-Bonet T, Godinho R, Yue B, Wayne RK (2016) Worldwide patterns of genomic variation and admixture in gray wolves. *Genome research* 26:163-173.
 - Freedman AH, Schweizer RM, Ortega-DelVecchyo D, Han E, Davis BW, Gronau I, Silva PM, **Galaverni M**, Fan Z, Marx P, et al. (2016) Demographically-Based Evaluation of Genomic Regions under Selection in Domestic Dogs. *PLoS Genetics* 12:e1005851.
 - Schweizer RM, Robinson J, Harrigan R, Silva P, **Galaverni M**, Musiani M, Green RE, Novembre J, Wayne RK (2016) Targeted capture and resequencing of 1040 genes reveal environmentally driven functional variation in grey wolves. *Molecular Ecology* 25:357-379.
 - Milanesi P, Caniglia R, Fabbri E, **Galaverni M**, Meriggi A, Randi E (2015) Non-invasive genetic sampling to predict wolf distribution and habitat suitability in the Northern Italian Apennines: implications for livestock depredation risk. *European Journal of Wildlife Research* 61:681-689.
 - **Galaverni M**, Caniglia R, Milanesi P, Lapalombella S, Fabbri E, Randi E (2015) Choosy Wolves? Heterozygote Advantage But No Evidence of MHC-Based Disassortative Mating. *Journal of Heredity*, esv090.
 - Galov A, Fabbri E, Caniglia R, Arbanasić H, Lapalombella S, Florijančić T,

- Boskovic I, **Galaverni M**, Randi E (2015) First evidence of hybridization between golden jackal (*Canis aureus*) and domestic dog (*Canis familiaris*) as revealed by genetic markers. *Open Science* 2:150450.
- Smetanová M, Cerná Bolfíková B, Randi E, Caniglia R, Fabbri E, **Galaverni M**, Kutal M, Hulva P (2015) From Wolves to Dogs, and Back: Genetic Composition of the Czechoslovakian Wolfdog. *PLoS ONE* 10(12):e0143807
 - Freedman AH, Gronau I, Schweizer RM, Ortega-Del Vecchyo D, Han E, Silva PM, **Galaverni M**, Fan Z, Marx P, ... & Novembre J (2014). Genome sequencing highlights the dynamic early history of dogs. *PLoS genetics* 10(1):e1004016
 - Zhang W, Fan Z, Han E, Hou R, Zhang L, **Galaverni M**, et al. (2014) Hypoxia Adaptations in the Grey Wolf (*Canis lupus chanco*) from Qinghai-Tibet Plateau. *PLoS Genetics* 10(7):e1004466.
 - Caniglia R, Fabbri E, **Galaverni M**, Milanesi P, Randi E (2014) Non-invasive sampling and genetic variability, pack structure and dynamics in an expanding wolf population. *Journal of Mammalogy* 95:41-59.
 - Randi E, Hulva P, Fabbri E, **Galaverni M**, Galov A, Kusak J, Bigi D, Černá Bolfíková B, Smetanová M, Caniglia R (2014) Multilocus Detection of Wolf x Dog Hybridization in Italy, and Guidelines for Marker Selection. *PLoS one* 9(1), e86409
 - Galaverni M**, Caniglia R, Fabbri E, Lapalombella S, Randi E (2013) MHC variability in an isolated wolf population. (2013). *Journal of Heredity*, 104:601-612.
 - Caniglia R, Fabbri E, Greco C, **Galaverni M**, Manghi L, Boitani L, Sforzi A, Randi E (2013) Black coats in an admixed wolf× dog pack is melanism an indicator of hybridization in wolves? *European Journal of Wildlife Research* 59:543-555.
 - Galaverni M**, Caniglia R, Fabbri E, Greco C, Randi E (2012) Monitoring wolves (*Canis lupus*) by non-invasive genetics and camera trapping: a small-scale pilot study. *European Journal of Wildlife Research*, 58:47-58.
 - Caniglia R, Fabbri E, Greco C, **Galaverni M**, Randi E (2010) Forensic DNA against wildlife poaching: Identification of a serial wolf killing in Italy. *Forensic Science International: Genetics*, 4:334-8.

Reports and non-peer reviewed publications	<ul style="list-style-type: none"> - Galaverni M (2014) Stime demografiche delle popolazioni di lupo (<i>Canis lupus</i>) e orso (<i>Ursus arctos</i>) in Italia e prospettive di conservazione. Report scientifico, ISPRA. - Randi E, Caniglia R, Fabbri E, Galaverni M, Greco C, Milanese P, Zanni ML (2012) Il lupo in Emilia Romagna. Strategie di convivenza e gestione dei conflitti. Stamperia Regione Emilia Romagna [in Italian]. - Palumbo D, Galaverni M, Fabbri E, Caniglia R, Greco C, Sarno S, Randi E (2010) Monitoraggio del Lupo (<i>Canis lupus</i>) nel Parco Regionale del Corno alle Scale tramite Foto-Videotrappolaggio e Genetica non invasiva: un nuovo modello di studio integrato. In: Atti del Convegno 'Ricerca Scientifica e Strategie di Conservazione del Lupo (<i>Canis lupus</i>) in Italia'. Quaderni di Conservazione della Natura, 33, Min. Ambiente – ISPRA [in Italian]. - Galaverni M, Merci A (2008) Il nostro comune futuro. Una storia dello sviluppo sostenibile. Annali 2007 del Collegio Superiore, Bononia University Press.
Other academic activities	<ul style="list-style-type: none"> - Abilitazione scientifica nazionale (II fascia) in Zoologia - Reviewer for: Conservation Genetics, Journal of Heredity, Acta Theriologica, Animal Conservation, Heredity, Journal for Nature Conservation, International Journal of Genetics, Animal Biodiversity and Conservation, Mammalian Biology - Lecturer on conservation biology, Master in Administration and Management of wildlife, University of Venezia (2020) - Guest lecturer on Conservation Genomics, University of Modena and Reggio Emilia (2015); - Guest lecturer on Conservation genetics, course in Conservation Biology, University of California, Los Angeles (2012); - Guest lecturer on conservation genomics, course in Conservation genetics, University of Bologna (2011);
Grants	<ul style="list-style-type: none"> - European Science Foundation: short-visit grant (SV/3013). Wolf/dog olfactory receptor genes variability (not exploited for hosting structure impede), 2009. - Erasmus Placement grant, University of Uppsala, Sweden, April – July 2008.
Summer schools	<ul style="list-style-type: none"> - Ecological Genomics. European Science Foundation, Bertinoro, Italy, 2009; - Ecology and Biodiversity. Polish Academy of Science, Bialowieza, Poland, 2009; - BEST 2007 (reserved to 50 top Italian graduate students). Alma Graduate School, Italy, 2007; - Genome Evolution of Eukaryotes. University of Bologna, Italy, 2006.
Student Awards	<ul style="list-style-type: none"> - 'Borsa di Studio Centenario' grant award, BPER Foundation, 2004; - 'Youth Merit Award', Rotary Club Bologna, 2003.

Other working experiences

Dates 2013-2020
 Occupation or position held On-the-field biologist
 Principal subjects/ occupational tasks covered Ecotourism group leader in North American and Arctic ecosystems
 Name and type of organisation Biosfera Itinerari, Italy

Other qualifications

Dates July 2015
 Title of qualification awarded National teaching qualification
 Occupational skills covered Nature Sciences teaching in high school
 Name and type of organisation providing education and training University of Bologna, Italy
 Level in national or international classification 95/100 (national classification)

Volunteering experiences

Non-governmental organizations WWF Italy national board member (November 2016 – today)
 Representative for WWF Italy in Emilia-Romagna region (July 2014 - April 2015).
 Chairman for the WWF Emilia-Romagna chapter (May 2013 - July 2014).
 WWF volunteer since 2010.
 WWF member since 1992.

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s)
 Self-assessment
European level ()*

English
French
Spanish

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C2	C1	C1	C1
B1	B2	B1	B1	B1
B2	B2	B1	B1	A2

(*) [*Common European Framework of Reference for Languages*](#)

Organisational skills and competences

- Deep dedication to reach a goal and to undertake the necessary measures for refining my abilities, obtained by playing agonistic tennis for several years;
- Organizational skills developed through planning, realization or coordination of public outreach events, such as scientific exhibits and conferences.

Computer skills and competences

- Optimal command of computer applications (e.g. Microsoft Office);
- Proficiency with software related to population genetics and genomics;
- Familiarity with the Unix environment and bash commands;
- Good knowledge of the programming language Python

Social skills and competences

- Leadership skills acquired as students' representative in the Institute Board and in the Provincial Student Council during high school;
- Team spirit and attitude to share enthusiasm in my working environment;
- Willingness to adapt to different contexts, especially in diverse cultural backgrounds, gained through my study experiences abroad;
- Proficiency in speaking to an audience, improved through my experiences as lecturer and in several outreach events.

Rome (Italy), June 2020