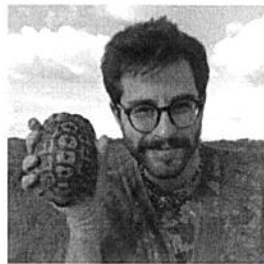


EUROPEAN  
CURRICULUM VITAE  
FORMAT



PERSONAL INFORMATION

Name

Daniele MARINI

Italian Address

[REDACTED]

Swedish Address

[REDACTED]

Telephone

[REDACTED]

E-mail

[REDACTED]  
[REDACTED]  
[REDACTED]

Certified mail

[REDACTED]

Nationality

Italian

Date of birth

12<sup>th</sup> OCTOBER 1991

WORK EXPERIENCE

• Dates

JAN 2022 – PRESENT

• Employer

**Uppsala Universitet**, Evolutionary Biology Centre, Department of Organismal Biology, Environmental Toxicology (Sweden)

**Guest PhD Student & Lecturer**

• Occupation or position held  
• Main activities and responsibilities

Immunohistochemical analysis of zebrafish reproductive organs (Supervisor: Prof. Monika Schmitz).

Lecturer of "Basics of Histology" and "Amphibians as a model in toxicology" inside the in "Tox Risk Course" (headed by Prof. Carlos Guerrero-Bosagna) within the Environmental Toxicology Master Programme (Spring 2022).

• Dates

JAN 2018 – PRESENT

• Employer

**MARINIVET** (P. IVA 15107701003 - Italy)

**Freelance Veterinarian** — Exotic, Wild & Companion Animal Clinician

• Occupation or position held  
• Main activities and responsibilities

Medicine and Surgery (main field Reptiles, Small mammals, Birds).

Enrolled in the Veterinarian Order of the Rome Province (No. 2525).

Collaborations: Clinica Veterinaria Guidonia; Clinica Veterinaria Borgo Nuovo; Clinica Veterinaria Casal Monastero; Carabinieri Forestali; Petsfestival; Aves (Avian Veterinarians for Endoscopy Services); UniPG; UniTe; ANVA; LIPU Wildlife Rescue Center in Rome.

• Dates

MAY 2020 – DEC 2021

• Employer

**Uppsala Universitet**, Evolutionary Biology Centre, Department of Organismal Biology, Environmental Toxicology (Sweden)

**Research & Teaching Assistant**

• Occupation or position held  
• Main activities and responsibilities

Histological preparations (plastic/resin embedding, semi-thin sectioning & stainings) and analysis of anuran reproductive organs (Supervisor: Prof. Cecilia Berg). Development of immunohistochemical protocol for analysis of ontology from early developmental stage to pre-pubertal stage in *Xenopus tropicalis* (V. Brouard).

Maintenance of phytoplankton (*Symbiodinium* strains & fresh water green algae) cultures (Supervisors: Prof. Lars Beherendt; Dr. Linhong Xiao).

Development of methods to quantify qualitative data (endpoints of different neuroanatomical

- Dates
- Employer
- Occupation or position held
- Main activities and responsibilities

structures) regarding integration effects of radiations and pharmaceutical on (mouse) brain development (S. Buratovic).  
 Rana arvalis histology protocol development (J. Höglund).  
 Teaching Assistant in "Animal Structure and Function" and "Gene, Brain, Behaviour" (Fall 2021).  
 SFD Italia – SFD Sverige (Independent Research – collaboration with SLU [S. Kärnvemo])

Nov 2021 – DEC 2021

**Uppsala Universitet**, Biomedical Center (BMC), Department of Pharmaceutical Biosciences, Research - Drug Safety and Toxicology (Sweden)

**Research Assistant**

Preparation of histological sections of mouse brain. Method development for immunohistochemistry. Analysis of results. Development of methods to quantify qualitative data (endpoints of different neuroanatomical structures) regarding integration effects of radiations and pharmaceutical on (mouse) brain development (S. Buratovic).

- Dates
- Employer
- Occupation or position held
- Main activities and responsibilities

AUG 2021 – SEP 2021

**SLU – Swedish University of Agricultural Sciences** (Sweden)

**Field Assistant** — (Department of Ecology)

Earthworm sampling in grasslands from Uppsala and Uppland for a broader Ecological interdisciplinary study.  
 Supervisor: Kaisa Torppa.

- Dates
- Employer
- Occupation or position held
- Main activities and responsibilities

NOV 2020 – JAN 2021

**Uppsala Veterinärmottagning AB** (Sweden)

**Leg. Veterinarian** — Companion & Exotic Animal Clinician

Medicine and Surgery.  
 Provision of veterinary services in Sweden provided by The Swedish Board of Agriculture (Jordbruksverket). Veterinary number: 6237.

- Dates
- Employer
- Occupation or position held
- Main activities and responsibilities

FEB 2020 – APR 2020

**Uppsala Universitet**, Evolutionary Biology Centre, Dept. Environmental Toxicology (Sweden)

**Short Term Scientific Missionary** (Internship)

Short Term Scientific Missions (STSM) inside the COST Action Pesticide Risk Assessment for Amphibians and Reptiles (PERIAMAR - CA18221).

Topics: Suborganismal endpoints for reproductive toxicity: histological analysis of anuran gonads, nuptial pads and other organs (1). *Xenopus tropicalis* life-cycle toxicity test system and necropsy/sampling protocol (2).

Supervisor: Prof. Cecilia Berg

- Dates
- Employer
- Occupation or position held
- Main activities and responsibilities

JUN 2019 – JUN 2020

**Università degli Studi di Teramo**, Facoltà di Medicina Veterinaria, Dept. of Pathology (Italy)

**Attending Graduate** (*Laureato frequentatore*)

Basic Research and knowledge sharing on wild animals and not conventional pets: necropsies, anatomopathological and histopathological examinations (mostly amphibians, reptiles and rodents).

Supervisor: Prof. Leonardo Della Salda

- Dates
- Employer
- Occupation or position held
- Main activities and responsibilities

AUG 2019

**Universität Bern**, Vetsuisse, Centre for Fish and Wildlife Health (FIWI – Switzerland)

**Guest Researcher** (Externship)

Wildlife diagnostic procedures and laboratory techniques: animal necropsy, tissue sectioning, conventional and Real Time PCR, Western Blotting and DNA/RNA extraction.

Supervisor: Francesco C. Origi, PD habil, PhD, Dipl ACVM [Virology], ACVP, ECZM [Herpetology]; Head of Wildlife Diagnostic Service

- Dates
- Employer
- Occupation or position held
- Main activities and responsibilities

JUN 2019 – OCT 2019

**Università degli Studi di Perugia**, Facoltà di Medicina Veterinaria (Italy)

**Research Fellow**

Research Project "Sampling of biological material from wild and captive Testudo spp." inside the convention between University of Perugia and Italian Ministry of the Environment and the

- Dates
- Employer
- Occupation or position held
- Main activities and responsibilities

Protection of the Territory and the Sea entitled "Support Actions for Institutional Wildlife Rescue Centers for a correct relocation in the wild of confiscated Testudo spp. individuals and for the identification of structures for the management of individuals that cannot be relocated or temporarily not relocatable". General Supervisor: Prof. Massimo Trabalza Marinucci, DVM, PhD

OCT 2019 – DEC 2019

**Istituto Comprensivo Statale "Don Lorenzo Milani"** – Guidonia Montecelio (RM – Italy)

**Primary and lower secondary school external Teacher**

Educational project PON, European Structural Funds - National Operational Program. Progetto "Viviamo il nostro territorio" codice 10.2.5A-FSEPON-LA-2018-49. CUP: J98E17000090006.

Two Modules "Amici dell'Inviolata" (70h each). Lectures and fieldwork on the principles of ecology, local biodiversity and natural, biological, environmental and veterinary sciences.

- Dates
- Employer
- Occupation or position held
- Main activities and responsibilities

OCT 2018 – OCT 2019 (ONGOING: NEXT MANIFESTATIONS)

**Petsfestival** (Animal fair. PC/CR – Italy)

**Veterinarian** (veterinary service)

Member of Veterinary Service. Head of Exotic Animals Veterinary Service.

Petsfestival is the biggest "all pets" animal fair in Italy.

Health and legislative check of exposed animals (reptiles, amphibians, birds, fish, dogs, cats and llamas – on sale) and incoming animals (guests).

- Dates
- Employer
- Occupation or position held
- Main activities and responsibilities

APR 2018 – MAY 2018 (ONGOING: NEXT MANIFESTATIONS)

**Rito dei Serpari di Cocullo** (AQ – Italy)

**Veterinarian** (wild snakes health monitoring)

Clinical Assessment and Samples Collection from 130 wild snakes (*Elaphe quatuorlineata*, *Hierophis viridiflavus*, *Zamenis longissimus* and *Natrix helvetica*) taking part to "Rito dei Serpari" inside "Festa di San Domenico a Cocullo".

Supervisors: Dr. Gianpaolo Montinaro & Dr. Ernesto Filippi

- Dates
- Employer
- Occupation or position held
- Main activities and responsibilities

JUN 2017

**Turtle Island** (Graz – Austria)

**Keeper & Veterinarian**

Volunteer involved in the management and care of endangered reptiles and amphibians inside Turtle island facilities. Most of patients were endangered chelonians.

Supervisor: Dr. Peter Praschag

- Dates
- Employer
- Occupation or position held
- Main activities and responsibilities

JUL 2016, Nov 2016, JUL 2017

Clinic and Hospital for Exotic Pets & Wildlife Rehabilitation Centre OAZA (Warsaw, Poland)

**Exotic Animal Veterinarian**

Volunteer involved in clinical assessments, surgeries, management and care of small mammals, birds, reptiles and conventional companion animals.

Supervisor: Dr. Aleksandra Maluta

## EDUCATION AND TRAINING

- Dates
- Organisation providing education and training
- Principal subjects/occupational skills covered

NOV 2021 – PRESENT

**Università degli Studi di Perugia**, Dipartimento di Medicina Veterinaria (Italy)

**Anatomy and Histology, Veterinary Medicine**

Histological and Immunohistochemical analysis of ectotherms organs. A main focus is given to amphibians, reptiles and fishes as study and model organisms and adipokines/cytokines as target molecules and markers.

Supervisor: Prof. Cecilia Dall'Aglio. Co-supervisor: Prof. Massimo Zerani.

PhD in Health and Experimental Veterinary Sciences (Dottorato in Sanità e Scienze Sperimentali Veterinarie – XXXVII ciclo)

EQF level 8

- Title of qualification awarded

- Level in national classification

- Dates
- Organisation providing education and training
- Principal subjects/occupational skills covered

- Title of qualification awarded
- Level in national classification

- Dates
- Organisation providing education and training
- Principal subjects/occupational skills covered

- Dates
- Organisation providing education and training
- Principal subjects/occupational skills covered

- Dates
- Organisation providing education and training
- Principal subjects/occupational skills covered

SEP 2010 – Nov 2017

**Università degli Studi di Teramo**, Facoltà di Medicina Veterinaria (Italy)

#### **Veterinary Medicine**

Experimental thesis (ENG) in Veterinary Microbiology and Epidemiology entitled: Invasiveness of allochthonous freshwater turtles: monitoring of paths/positions and sanitary status in Lublin region, Poland (Supervisor: Cristina E. Di Francesco, DVM, PhD. Co-supervisors: Alessio Arbuatti, DVM; Dariusz Wasyl, DVM, PhD, ScD, Associate Professor).

Final mark: 110/110 with honors (cum laude)

Master's Degree (Single-cycle Degree Programme) in Veterinary Medicine (Class LM42)  
EQF level 7

JUL 2017 – SEP 2017

**National Veterinary Research Institute of Poland** (PIWet-PIB – Poland)

#### **Erasmus+ for traineeship**

Training entitled "SCUD – Systemic/Septicemic Cutaneous Ulcerative Disease in invasive alien turtles".

Programme:

1. Clinical examination of suspect turtle individuals
2. Clinical examination and diagnostic of reptiles
3. Post-mortem examination and pathology of SCUD
4. Bacteriological background of SCUD

The traineeship was included inside the research project NSC no. 2013/11/B/NZ7/01690 "Invasive turtle species as a source and vector of animal and human pathogens".

General supervisor: Dariusz Wasyl, DVM, PhD, ScD, Associate Professor, Project Leader

APR 2016 – SEP 2016

**National Veterinary Research Institute of Poland** (PIWet-PIB – Poland)

#### **Erasmus+ for traineeship**

Training entitled "Invasive turtle species as a source and vector of animal and human pathogens".

Programme:

1. Behavioral studies on invasive alien turtles in natural environment
2. Live-trapping of invasive turtles from environment
3. Quarantine, condition assessment and clinical examination of invasive turtles, sample collection for laboratory analysis
4. Monitoring of home range and movements of IAS turtles
5. Assessment of geographical expansion of IAS turtles in the context of environmental threat and reservoir and vector of pathogens
6. Anatomopathological and histopathological examination of IAS turtles
7. Diagnostics of bacterial pathogens in invasive turtles
8. Epidemiological typing of *Salmonella* spp.
9. Parasitological examinations
10. Basic serological diagnostics

The traineeship was included inside the research project NSC no. 2013/11/B/NZ7/01690 "Invasive turtle species as a source and vector of animal and human pathogens".

General supervisor: Dariusz Wasyl, DVM, PhD, ScD, Associate Professor, Project Leader

JUL 2015 – AUG 2015

**Fundacja Epicrates & Lubelskie Egzotarium** (Lublin – Poland)

#### **Erasmus+ for traineeship**

Programme:

1. Wild animal recovery and management of animal shelter
2. Veterinary procedures on rescued animals
3. Safe handling of exotic and/or venomous animals (i.e. reptiles, invertebrates)
4. Training on in-situ and ex-situ conservation of *Emys orbicularis* in the Polesie National Park
5. Training on management of zoos and zoo animals in the Zoological Garden of Zamość
6. Trapping, handling, examining, sampling, home range monitoring, necropsy and

laboratory processing from *Trachemys* sp. individuals  
The traineeship was included inside the research project NSC no. 2013/11/B/NZ7/01690  
"Invasive turtle species as a source and vector of animal and human pathogens".  
General supervisor: Bartłomiej Gorzkowski

• Dates

- Organisation providing education and training
- Principal subjects/occupational skills covered

• Dates

- Organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded
- Level in national classification

**PERSONAL SKILLS  
AND COMPETENCES**

MOTHER TONGUE

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills
- CEFR

**SOCIAL SKILLS  
AND COMPETENCES**

**ORGANISATIONAL SKILLS  
AND COMPETENCES**

**TECHNICAL SKILLS  
AND COMPETENCES**

SEPT 2013 – JUN 2014

**Uniwersytet Warmińsko-Mazurski w Olsztynie**, Faculty of Vet. Med. (Olsztyn – Poland)  
**Erasmus mobility for study purposes (Lifelong Learning Programme)**

Completion of additional courses to normal study programme abroad (Learning Agreement):

- Amphibian and reptile diseases (Prof. A. K. Siwicki)
- Breeding invertebrate diseases (Prof. A. K. Siwicki)

SEPT 2005 – JUN 2010

**Liceo Scientifico Statale Ettore Majorana** (Guidonia Montecelio, RM – Italy)

**Secondary education** with an alternative experimental curriculum band composed by a bilingualism specialism: French language and literature (tot. 400 h over 5 years)

*Diploma di Liceo Scientifico Autonomo* (Upper secondary [Scientific] education Diploma)  
EQF level 4

ITALIAN

ENGLISH	POLISH	SPANISH	FRENCH	SWEDISH
C1	B1	A2	A2	A2
B2-C1	B1	A1	A1	A1-A2
B2	B2	A2	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

- Excellent teamworker and critical thinker, thanks to a good adaptability and resilience.
- Good verbal/written communicator and active listener in a multicultural environment.
- Good problem solver and decision maker within a research group.
- Excellent scientific network built during the international career and within associations.

- Good team-member skills gained in field work, lab/naturalistic research and veterinary contexts.
- Bureaucratic management of associations (*i.e.* ANVA, SHI, etc. see below: Memberships).
- Good leadership & project leader soft skills.
- Social and educative skills with children and people in citizen science perspective.

- Good knowledge of Herpetology, Batrachology and Invasive Alien Species (IAS).
- Good knowledge of herpetofaunistic species occurring and traded in Europe.
- Ability to capture/control of freshwater turtle in non-native environments (*i.e.* Poland, Lublin province) by different methods of capture (e.g. various floating traps and funnel traps).
- Monitoring turtle movements using telemetry methods (Ecotone® Telemetry Devices).
- Clinical assessments, necropsies, anatomopathological and histopathological examinations of exotic, wild & companion animals (particularly amphibians and reptiles), and *in vivo/post-mortem* samples collection.
- Excellent knowledge of optical microscope uses.
- Detection, characterization and identification of bacteria (mostly *Salmonella* spp. and Enterobacteriaceae – non-selective media [BPW; NA; CHROMagar Orientation], selective media [XLD; RSA; MSRV; RVS; BxLH; MacConkey], serotyping with WKLM scheme) and tissue parasites (magnetic stirrer digestion method).
- Identification of bacteria with advances mass-spectrometry technology (MALDI-TOF) and analytical profile index test (API® test).



COMPUTER RELATED SKILLS  
AND COMPETENCES

- Antimicrobial Susceptibility testing (MIC-minimal inhibitory concentration – VITEK®).
- Diagnostics of Septicemic Cutaneous Ulcerative Disease (SCUD).
- Diagnostics of Dermatophytosis (i.e. Snake Fungal Disease)
- Husbandry, handling and care of *Xenopus tropicalis* animal model during in vivo studies (life-cycle toxicity tests).
- Histological processing (dehydration, embedding in plastic/resin and paraffin, sectioning and staining) and analysis of *Xenopus tropicalis* gonads, early gonads and other organs.
- Good skills in performing major molecular biology (nucleic acids extraction, conventional and Real Time PCR) and serology analysis (ELISA, Western Blotting).
- Basic skills in performing statistical analysis (e.g. t-test, correlation, ANOVA, Linear Models – software RStudio®)

DRIVING LICENCE

- Microsoft Office® Suite (Word; Excel; Power point).
- Adobe® Suite (Lightroom; Photoshop; Premiere).
- GIMP®.
- Google® Suite (GDocs; Google Earth Pro).
- Optical/Stereo microscope related softwares (e.g. AxioVision; IC Capture).
- Basic R and RStudio®.
- Beginner with ImageJ®, QGIS®, OKMap®, GraphPad®.

SCIENTIFIC/EDUCATIONAL  
OUTCOMES AND PERSPECTIVES

B

ORAL PRESENTATIONS  
PERFORMED

- Marini, D., Enea, M., Morbidelli, M., Di Nicola, M.R., Guglielmi, M.V., Lefosse, S., Notomista, T., Ventura, F., & Carafa, M. (2022). Guanti per maneggiare anfibi: ricerca bibliografica per identificare il materiale più idoneo [Gloves for amphibian handling: a bibliographic research to identify the most suitable material]. Riassunti e Programma del Quinto Convegno nazionale "Salvaguardia Anfibi" (Solaro, Roma, Chieti, Montegrotto Terme, 18-22 maggio).
- Marini, D. Journal Club – Fort et al., 2016: Splenic Immunotoxicity In Developing Cane Toads (*Rhinella marina*) From Bermuda. Science & Breakfast, Meeting of Environmental Toxicology at EBC, Uppsala University. 13 March 2020.
- Marini, D. A correct biological sampling on field (Un corretto prelievo dei campioni sul campo). Conference: Guidelines for the relocation in nature of confiscated *Testudo* spp., a dynamic conservation tool. Aula Magna, Dipartimento di Medicina Veterinaria, UniPG. Perugia, 29 November 2019.
- Marenzoni, M., Diaferia, M., Baldoni, E., Biaggini, M., Corti, C., Ferioli, M., Marini, D., Morganti, G., Origgi, F. C., Raffaele, O., Trabalza-Marinucci, M., Viecelli, L., & Olivieri, O. Proposal of a health screening protocol for the reintroduction of *Testudo hermanni hermanni* into the wild. Mediterranean workshop to develop tortoise conservation strategies. Alicante (Spain), October 27th-29th, 2019.
- Marini, D., Marenzoni, M., Origgi, F. C., Trabalza-Marinucci, M., Olivieri, O., Biaggini, M., & Corti, C. Status assessment of Sardinian *Testudo*: proposed objectives and protocols to protect natural populations. Mediterranean workshop to develop tortoise conservation strategies. Alicante (Spain), October 27th-29th, 2019.
- Marini, D. Principal emerging infectious disease of European herpetofauna. Petsfestival 2019. VII edition. Piacenza Expo. 20 October 2019.
- HerpeThon 2019. Anfibi e Rettili di Guidonia e dintorni: Conosciamoli e Conserviamoli. 6 Ottobre 2019, Sala Comunale della Cultura, Guidonia Montecelio (RM). Presentations: 1) Grano, M. & Marini, D. La vipera nel Lazio: come identificarla e come comportarsi in caso di morso; 2) Marini, D. Note erpetologiche sulla Valle dell'Aniene e sui travertini tiburtini; 3) Cervoni, F., Marini, D., Pulvirenti, E. Note erpetologiche sulle cave d'argilla di Guidonia; 4) Marini, D. Principali malattie emergenti dell'erpetofauna europea.
- Marini, D. Criticalities in the conservation of *Emys orbicularis*: examples. Workshop on the protection and monitoring of the European pond turtle [Giornata di studio su tutela e monitoraggio della testuggine palustre europea (*Emys orbicularis*)], Riserva Naturale Lago di Posta Fibreno, 4 October 2019.
- Marini, D. & Olivieri O. Health risks arising from the introduction of exotic pets (Rischi sanitari derivanti da introduzioni di pets esotici), Marini D. Alien species in Umbria Region - know to create awareness. 28 September 2019.
- Marini, D. Pathologies of Amphibians and Reptiles (Patologie di Anfibi e Rettili). Marini, D. In