

EUROPEAN  
CURRICULUM VITAE  
FORMAT



PERSONAL INFORMATION

Name

**DANIELE MARINI**

Italian Address

Swedish Address

Telephone

E-mail

[marinivet@gmail.com](mailto:marinivet@gmail.com)

Certified mail

Nationality

Date of birth

WORK EXPERIENCE

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

JAN 2022 – PRESENT

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

**Guest PhD Student & Lecturer**

Transcriptional and immunochemical 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).

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JAN 2018 – PRESENT

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

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

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

Collaborations: Ospedale Veterinario Universitario Didattico (Wildlife and Exotic section – University of Perugia); WildUmbria; Clinica Veterinaria Guidonia; Clinica Veterinaria Borgo Nuovo; Clinica Veterinaria Casal Monastero; Carabinieri Forestali; Petsfestival; Aves (Avian Veterinarians for Endoscopy Services); UniTe; ANVA; LIPU Wildlife Rescue Center in Rome.

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AUG 2022 – SEP 2022

**Institute For Game And Wildlife Research (IREC [Instituto de investigación en REcursos Cinegéticos], CSIC-UCLM-JCCM)**, Ciudad Real, Spain

**Histologist** – Internship via PhD Programme (UniPG)

Title: Histochemical methods to assess the risks of pesticide exposure on terrestrial amphibians. Egg clutches of *Pelophylax perezi* were reared in lab until the completion of metamorphosis. Juveniles were exposed to pesticides with overspray and euthanized for skin sampling. FFPE samples were digitalized (scanned) and analysed with the software QuPath to assess histological morphology and morphometric. (Supervisor at the host institution: Dr. Manuel E. Ortiz-Santaliestra).

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MAY 2020 – DEC 2021

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

**Research & Teaching Assistant**

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 ontogeny 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 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. Kärvermo])

- Dates
- Employer

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).

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- Main activities and responsibilities

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- Employer

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.

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- Main activities and responsibilities

- Dates
- Employer

NOV 2020 – JAN 2021

**Uppsala Veterinärmottagning AB** (Sweden)

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

Medicine and Surgery.

Provision of veterinary services in Sweden (legitimation för veterinär) provided by The Swedish Board of Agriculture (Jordbruksverket). Veterinary number: 6237.

- Occupation or position held
- Main activities and responsibilities

- Dates
- Employer

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

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- Employer

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

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- Dates

AUG 2019

- Employer
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**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

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 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.

OCT 2018 – OCT 2019

**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).

APR 2019 – MAY 2019

**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".

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

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
  - Title of qualification awarded
  - Level in national classification
  
  - Dates  
• Organisation providing education and training  
• Principal subjects/occupational skills covered
  - Title of qualification awarded
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  - Dates  
• Organisation providing education and training  
• Principal subjects/occupational skills covered
  
  - 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**  
Use of ectotherm animal models (*Danio rerio* & *Xenopus tropicalis*) to study adipokines during development and reproduction.  
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
- 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".

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- 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

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

SEP 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	A1	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, 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).

AND COMPETENCES

- 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; MSR; 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).
- Antimicrobial Susceptibility testing (MIC-minimal inhibitory concentration – VITEK®).
- Diagnostics of Septicemic Cutaneous Ulcerative Disease (SCUD).
- Diagnostics of Onychomycosis (i.e. Ophidiomycosis – 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 immunohistochemistry (IHC and IF).
- Image analysis (ImageJ, QuPath).
- 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, PCA – software RStudio®)
- Technical skills in slide scanning and digitization (i.e. Leica and Zeiss instruments)
- Use of Anatomic softwares (i.e. Anatomage Table; Biosphera) in teaching Veterinary and Laboratory animals anatomy

COMPUTER RELATED SKILLS  
AND COMPETENCES

- 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).
- QuPath and ImageJ®
- BioEdit, AliView, BioRad Maestro®
- R and RStudio®.
- Beginner with QGIS®, OKMap®, GraphPad®.

DRIVING LICENCE

B