



Sarah Droghei

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WORK EXPERIENCE

Tuscia University – Viterbo

PhD candidate in Ecology and Sustainable Management of Environmental Resources

[10/2025 – Current]

Research about "Challenges for large carnivore recolonization: a multidisciplinary approach"

D.R.E.A.M. – Isola del Gran Sasso

Field technician for the project "REALIZZAZIONE DI UN PIANO DI CAMPIONAMENTO, RACCOLTA ED ELABORAZIONE DATI PER IL MONITORAGGIO MEDIANTE FOTOTRAPPOLE DELLE COMUNITÀ DI MESO E GRANDI MAMMIFERI ALL'INTERNO DEI PARCHI NAZIONALI" at the Gran Sasso National Park

[07/2025 – Current]

Sampling, collection and data processing for the monitoring of meso- and large-sized mammal communities using camera traps within National Parks, for the PNRR project, Mission 2, Component 4, Investment 3.2a "Nature conservation – monitoring of pressures and threats on species and habitats, and climate change".

Istituto Zooprofilattico Lazio e Toscana "M. Aleandri" – Rome, Italy

Research fellow at Istituto Zooprofilattico Lazio e Toscana "M. Aleandri", Department of Parasitology and Entomology

[04/2025 – 11/2025]

Awarded a research fellowship under the National Recovery and Resilience Plan (PNRR) – Mission 4, Component 2, Investment 1.3, Project Code: PE00000007 INF-ACT, for the project "One Health basic and translational research actions addressing unmet needs on emerging infectious diseases" – NODE2.

Researches on arthropods (mosquitoes, spiders, ticks, sand flies) and their role in public health, focusing on:

- Culicidae communities, their ecology, population dynamics and distribution;
- Investigating human perception of spiders and cultural factors influencing attitudes towards them;
- Development and application of monitoring protocols to study vector ecology and its impact on public health;
- Detailed scientific reports writing and publications in peer-reviewed journals;
- Collaboration with multidisciplinary teams to support vector-borne disease prevention strategies.

Regional Natural Park Monti Ausoni and Lago di Fondi – Fondi, Italy

Scientific and field lead for the wolf monitoring program at the Monti Ausoni e Lago di Fondi Regional Park

[01/2025 – Current]

Scientific coordinator for the monitoring of *Canis lupus* within the protected area. Key responsibilities:

- Design and implementation of scientific protocols for data collection and analysis, including camera trapping, track identification, wolf howling and field surveys;
- Collaboration with park staff and stakeholders on biodiversity management, wolf conservation strategies, and damage mitigation;

- Preparation and dissemination of detailed scientific reports and monitoring plans;
- Engagement in educational initiatives and public outreach to promote understanding of wolf ecology and conservation.

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Research fellow at Istituto Zooprofilattico Lazio e Toscana "M. Aleandri", Department of Parasitology and Entomology

[04/2024 – 04/2025]

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 **Skandulv** – Lindesberg, Sweden

Research fellow at Grimso Research Station, Sweden

[05/2023 – 03/2024]

Study of habitat selection by wolves at primary dens in south-central Scandinavia:

- Investigated habitat selection for primary dens in relation to environmental, anthropogenic, and orographic variables;
- Conducted associated fieldwork to check primary den sites.

 **Prof. Brent Patterson** – Peterborough, Canada

Internship at the "Canids and Ungulates Research Lab", Trent University

[10/2022 – 03/2023]

Awarded the Sapienza University postgraduate fellowship, study of wolves' diet and their hunting strategies in northern Ontario, performed respectively through:

- Macroscopic examination of fecal samples;
- Study of the movement ecology through GPS locations.

Associated fieldwork including wolves snow tracking, cluster predation analysis, trapping and collaring wild canids and ungulates.

 **Carabinieri Biodiversità Castel di Sangro** – Castel di Sangro, Italy

Scientific technician operator

[09/2022 – 11/2022]

Life project "LifeESC360" in the State Nature Reserves of Abruzzo and Molise administered by Carabinieri Biodiversity Department of Castel di Sangro. Carried out monitoring activities, according to standardized protocols, within the Natura 2000 network on species included in the Habitats Directive (Annex IV and II) and the Birds Directive.

EDUCATION AND TRAINING

Museology and Museography Training Course (10 hours)

Regione Lazio, SIF Cultura [31/10/2024 – 07/11/2024]

Country: Italy

"Laboratory animal science course, laws and regulations required by the directive 2010/63/UE about the protection of animals used in research" at Grimso Wildlife Research Station, Sweden

Swedish University of Agricultural Sciences [11/2023]

City: Lindesberg | Country: Sweden

Training course in "Sustainability Sciences"

Faculty of Civil and Industrial Engineering of the University of Rome La Sapienza [2021 – 2022]

City: Rome | Country: Italy

1st Workshop on Supercomputing

Department of Statistical Sciences, La Sapienza University [30/11/2022 – 30/11/2022]

Trainee at the Animal Ecology and Wildlife Conservation Laboratory

University of Rome La Sapienza [2019 – 2020]

City: Rome | Country: Italy

MSc in Ecobiology; specialized in Management and Conservation of Wildlife , thesis on "Habitat selection of wolves at the rendezvous sites in Central Apennines"

University of Rome La Sapienza [2021]

City: Rome | Country: Italy

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s): English

SKILLS

MS Office (Word, Power Point, Excel) / R/RStudio / Software QGIS / Software ESRI ArcGIS

PUBLICATIONS

First report of phoresy on snipe flies (Diptera: Rhagionidae): the chewing louse *Damalinia meyeri* (Psocodea: Phthiraptera: Trichodectidae) on *Symphoromyia immaculata*. (2026) Journal of Insect Science, Volume 26, Issue 1, ieaf111, <https://doi.org/10.1093/jisesa/ieaf111>

F. Romiti, S. Droghei, A. Ermenegildi, A. Magliano, J. M. Pérez, R. L. Palma, C. De Liberato

Multi-scalar habitat selection unveils ecological domains in wolves when selecting rendezvous sites. (2025) Journal of Zoology <https://doi.org/10.1111/jzo.70035>

S. Droghei, M. Falco, P. Ciucci

Characterization of overwintering sites (hibernacula) of the West Nile vector *Culex pipiens* in Central Italy. (2025) Parasites & Vectors; 18(1), 74.

F. Romiti, R. Casini, I. Del Lesto, A. Magliano, A. Ermenegildi, S. Droghei, ... C. De Liberato.

Farmers vs wolves: socio-demographic, management and individual differences in perceptions of a predator in Italy. (under review)

G. Damiani, S. Droghei, R. Mattea, A. Gallizia, G.J. Lasinio

Canid's cradle: multigrain den site selection by wolves in Scandinavia. (under review)

S. Droghei, B. Zimmermann, C. Wikenros, C. Di Bernardi, P. Ciucci, M. Falco, P. Wabakken, H. Sand

DRIVING LICENCE

Driving Licence: B

CONFERENCES AND SEMINARS

[06/2024]

7th European Congress of Conservation Biology (ECCB) Held by the Europe Section of the Society for Conservation Biology (SCB).Speed talk: "Environmental and anthropogenic correlates of homesite selection by wolves in Scandinavia".

[06/2023]

Wolves Across Border Held by Skandulv.Poster presentation: "Scalar and hierarchical processes enhance our understanding of rendez-vous sites (RVs) selection by wolves (*Canis lupus italicus*) in human-modified landscapes".

[04/2023]

Challenging conservation: adattarsi al cambiamento Held by the Europe Section of the Society for Conservation Biology, SCBIItaly.Oral presentation: "Accounting for a mutiscale habitat selection improves model predictions for conservation: wolves in human-modified landscapes".

GENERAL SKILLS

General skills

- Experience in working and living in remote areas: able to perform fieldwork in challenging environments, demonstrating resilience and adaptability under difficult conditions.
 - Independent and collaborative work ethic: capable of working autonomously while also thriving in multi-cultural and multidisciplinary team settings.
 - Strong motivation and enthusiasm for new challenges, embracing new experiences with determination and a proactive attitude.
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