

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name **FRANCESCA CAGNACCI**
Address **FONDAZIONE EDMUND MACH**
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E-mail **francesca.cagnacci@fmach.it**
Nationality Italian
Date of Birth 28/09/1973
Gender Female

WORK EXPERIENCE
(Last 10 years)

- Dates (from - to) 16/04/2009 - ongoing
- Name and address of the employer Fondazione Edmund Mach, via Mach 1 San Michele all'Adige (TN) 38010
- Type of business or sector Scientific Research
- Occupation or position held **Senior Researcher**
- Main activities and responsibilities
 - Leader of the Animal Ecology Unit and line manager or supervisor of researchers, technicians, PhD and MSc students.
 - Budget holder for local and international projects
 - FEM Member of the PhD board "Agrifood and Environmental Sciences", Center for Agriculture, Food and Environment (C3A) – University of Trento/FEM
 - Conceiving and designing empirical field projects to assess the determinants of space and resource use by the community of mammals in the Alps, and specifically through setting experimental protocols and utilizing bio-logging and remote sensing tools.
 - Initiating, coordinating and managing large international cooperative projects to integrate and upscale the regional knowledge at the global scale; member of steering and editorial boards of several scientific societies and journals.
 - Disseminating and communicating the research outputs to the international, national, and local community of scientists and stakeholders through: organization and participation into conferences, workshops, seminars; publication in high-impact journals
 - Outreach to the general public through public talks, organisation of events, and contribution to media releases.
- Dates (from - to) September 2021 – July 2022
- Name and address of the employer IMéRA, Centre for Advanced Studies, Aix-Marseille Université, Marseille, France
- Type of business or sector Scientific Research
- Occupation or position held **Resident Research Fellow**
- Main activities and responsibilities
 - Undertaking of the project: "Reconciling mountain economies with changing alpine ecosystems to export a new resilience model to global change"
 - Liaising with the interdisciplinary research and arts community at IMéRA and Aix-Marseille Université
 - Organizing scientific and outreach events of international relevance
- Dates (from - to) September 2015 – August 2016
- Name and address of the employer Organismic and Evolutionary Biology Department, Harvard University, Cambridge, USA

- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

EDUCATION AND TRAINING

- Dates (from - to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

Scientific Research

Hrdy Research Fellow in Conservation Biology

- Undertaking of the project: "Conservation on a rapidly-changing planet: ecologically-informed approaches to predicting the impacts of global environmental change on the spatial distributions of large terrestrial mammals"
- Liaising with the OEB and Harvard College research community
- Teaching, organization of workshops and scientific events at the Harvard University Centre for Environment (Environmental Science and Public Policy)
- Organizing outreach events at the Harvard Museum of Natural History

2017 – ongoing

Italian Ministry for Further Education and Research

Class 05/B1

Certified Full Professor in Zoology

- Dates (from - to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

2014 – ongoing

Italian Ministry for Further Education and Research

Class 05/C1

Certified Associate Professor in Ecology

- Dates (from - to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

October 1999 – April 2003

University of Siena, Italy

Habitat Selection, Roe Deer, Agroecosystems

PhD in Evolutionary Biology

- Dates (from - to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

October 1992 – July 1997

University of Milano and Siena, Italy

Ecology, Genetics, Molecular Biology, Compared Anatomy, Animal Physiology, General Chemistry, Ethology, Evolutionary Biology, Zoology

MSc in Biology

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

OTHER LANGUAGES

Italian

ENGLISH (C2), FRENCH (A2)

SCIENTIFIC SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

In the last 10 years, I have been invited for 60+ Invited keynotes, lectures, seminars, I have organised more than 30 scientific events, including 6 summer schools and 10+ workshops/conferences. I have been part of more than 15 PhD committees and international evaluation panels (including HE, H2020, FCT, NERC, NSF), and supervised 13 my own PhD students (8 to completion), as well as dozens of MSc and Bsc students or interns. I have participated into and obtained press coverage in hundreds of printed, online, video/documentary/TV/media venues. I have an active scientific network exceeding 500 Institutes from 50+ countries and 5 continents.

RELEVANT ROLES AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in

I have coordinated, supervised and managed a team of researchers, technicians and interns for more than 10 years (from 4 to 15 members at the same time), writing projects, acquiring funds, managing the budget, recruiting personnel, acquiring equipment, storing and managing Big Data, writing and disseminating scientific outputs. I have initiated or co-initiated and I coordinate large scientific networks with the purpose to share data and knowledge to advance science and advise

voluntary work (for example culture and sports) and at home, etc.

biological conservation: Euromammals (currently including more than 150 institutions), to study the spatial ecology of European terrestrial mammals, that led to more than dozen highly cited papers and several PhD thesis; the Global Initiative on Ungulate Migration, supported by UNEP-Convention for Migratory Species (100+ institutions), aiming at collating and collecting knowledge on terrestrial migrations, to build a world Atlas for the permanence of the knowledge and the urgent development of mitigating actions of this paramount behaviour; the COVID-19 Bio-logging Initiative (300+ partners), using the semi-experimental conditions presented by the Anthropause to deepen our understanding of the human-wildlife interface in the Anthropocene (> 1 billion GPS locations collected). In the last 10 years, I have raised more than 600kEuro of external funding in more than a dozen projects

PUBLICATION INDEXES (SCOPUS)

- NUMBER OF PUBLICATIONS: 90
- TOTAL NUMBER OF CITATIONS: 4129
- H-INDEX: 31

10 MOST RELEVANT PUBLICATIONS In the last 10 years.

1. Ranc N., Cagnacci F., Moorcroft P. (2022) Memory drives the formation of animal home ranges: evidence from a reintroduction. *Ecology Letters*. DOI: 10.1111/ele.13869
2. Kauffman M., Cagnacci F., et al. (2021) Mapping out a future for ungulate migrations. *Science*. DOI: 10.1126/science.abf0998
3. Urbano F., Cagnacci F. (2021) Data management and sharing for collaborative science: lessons learnt from the Euromammals initiative. *Frontiers in Ecology and Evolution*. DOI: 10.3389/fevo.2021.727023
4. Ranc N., Moorcroft P., Ossi F., Cagnacci F. (2021) Experimental evidence of memory-based foraging decisions in a large wild mammal. *Proceedings of the National Academy of Science*. DOI: 10.1073/pnas.2014856118.
5. Corradini A., Peters W., Pedrotti L., Hebblewhite M., Bragalanti N. Tattoni C., Ciolli M., Cagnacci F. (2021) Animal movements occurring during COVID-19 lockdown were predicted by connectivity models. *Global Ecology and Conservation*. DOI: 10.1016/j.gecco.2021.e01895
6. Rutz C., Loretto M.-L., ..., and Cagnacci F. (2020). COVID-19 lockdown allows researchers to quantify the effects of human activity on wildlife. *Nature Ecology and Evolution*. DOI 10.1038/s41559-020-1237-z
7. Tucker MA., Mueller T., ..., Cagnacci F., et al. (2018). Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. *Science*. DOI: 10.1126/science.aam9712
8. Peters W., Hebblewhite M., Mysterud A., Spitz D., Focardi S., Urbano F., Morellet N., Heurich M., Kjellander P., Linnell J.D.C., Cagnacci F. (2017). Migration in geographic and ecological space by a large herbivore. *Ecological Monographs*. DOI: 10.1002/ecm.1250
9. Cagnacci F., Focardi S., Ghisla A., van Moorter B., Merrill E., Gurarie E., Heurich M., Mysterud A., Linnell J., Panzacchi M., May R., Nygård T., Rolandsen C., Hebblewhite M. (2016). How many routes lead to migration? Comparison of methods to assess and characterise migratory movements. *Journal of Animal Ecology*. DOI: 10.1111/1365-2656.12449.
10. De Groeve J., Van de Weghe N., Ranc N.G., Neutens T., Ometto L., Rota-Stabelli O., Cagnacci F. (2015). Extracting spatio-temporal patterns in animal trajectories: an ecological application of Sequence Analysis Methods (SAM). *Methods in Ecology and Evolution*. DOI: 10.1111/2041-210X.12453.

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Place, date

San Michele all'Adige, 01.12.22

Signature
