

Alessia Uboni

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EDUCATION

- Dec 2012 Ph.D. in Forest Science with focus on wildlife ecology, Michigan Technological University (MTU), USA
Dissertation title: “Wolf habitat selection at the territory level: seasonal and interannual variation and influence on reproductive success”
Supervisor: Prof. John A. Vucetich
- Oct 2007 M.Sc. in Wildlife Conservation and Biodiversity, University of Turin, Italy
- Oct 2005 B.Sc. in Biology, University of Trieste, Italy

POSITIONS AND APPOINTMENTS

- 2016-2020 Postdoctoral Researcher, 100 % research
Dep. of Animal Nutrition and Management, Swedish University of Agricultural Sciences (SLU), Sweden
Funding source: The Swedish Research Council FORMAS
- 2017-2019 Guest researcher, 100 % research
Centre for Ecological and Evolutionary Synthesis, University of Oslo, Norway
Funding source: The Swedish Research Council FORMAS, managed by SLU
- 2013-2015 Postdoctoral Researcher, 100 % research
Department of Ecology and Environmental Science (UMU), Umeå University, Sweden
Funding source: The Swedish Research Council FORMAS
- 2009-2012 Graduate Research Assistant, 90 % research - 10 % teaching
School of Forest Resources and Environmental Science, MTU, USA
Funding sources: US National Science Foundation; Yellowstone Park Association
- 2008 Geographic Information System (GIS) Intern
Spatial Analysis Center, Yellowstone National Park, USA
Funding source: Master dei Talenti Neolaureati, Fondazione CRT, Italy
- 2003-2009 Volunteer tourist guide and zookeeper
Tropical Park, Trieste, Italy

LEAVE OF ABSENCE

I became sick in 2017, but my sickness was not diagnosed until 2019. Unfortunately, the sickness had already affected my work productivity since 2017. From October 15 to December 20, 2018, I took a leave of absence due to those health-related reasons. After my sickness was diagnosed, I worked 50 % from August to December 2019, and 75 % from January to February 2020.

PEER-REVIEWED PUBLICATIONS

Supervised students are marked with an asterisk.

1. Garrido P, Naumov V & **Uboni A**. Bringing people back home: Wildlife observation for human-nature reconciliation. *In review*
2. **Uboni A**, Åhman B & Moen J. Resolving an apparent paradox: social-economic strategies buffer a centuries-old pastoral system against pasture degradation. *In review*
3. Valente S*, Skarin A, Ciucci P & **Uboni A**. 2020. Attacked from two fronts: Interactive effects of anthropogenic and biotic disturbances generate complex movement patterns. *Arctic, Antarctic, and Alpine Research* 52 (1): 27-40
4. **Uboni A**, Blochel A*, Kodnik D & Moen J. 2019. Modelling occurrence and status of mat-forming lichens in boreal forests to assess the past and current quality of reindeer winter pastures. *Ecological Indicators* 96: 99-106
5. **Uboni A**, Smith DW, Stahler DR & Vucetich JA. 2017. Selecting habitat to what purpose? The advantage of exploring the habitat-fitness relationship. *Ecosphere* 8(4): e01705
6. **Uboni A**, Horstkotte T, Kaarlejärvi E, Sévêque A*, Stammer F, Olofsson J, Forbes BC & Moen J. 2016. Long-term trends and role of climate in the population dynamics of Eurasian reindeer. *PlosOne* 11(6): e0158359
7. **Uboni A**, Smith DW, Mao JS, Stahler DR & Vucetich JA. 2015. Long- and short-term temporal variability in habitat selection of a top-predator. *Ecosphere* 6(4): 51
8. **Uboni A**, Vucetich JA, Stahler DR & Smith DW. 2015. Interannual variability: a crucial component of space use at the territory level. *Ecology* 96(1): 62-70
9. Fucini S, **Uboni A** & Lorenzi MC. 2014. Cuckoo wasps manipulate foraging and resting activities in their hosts. *Behavioral Ecology and Sociobiology* 68(11): 1753-1759
10. Fucini S, **Uboni A** & Lorenzi MC. 2014. Geographic variation in air temperature leads to intraspecific variability in the behavior and productivity of a eusocial insect. *Journal of Insect Behavior* 27(3): 403-410
11. **Uboni A** & Lorenzi MC. 2013. Poor odors, strength, and persistence give their rewards to *Mutilla europaea* visiting dangerous wasp nests. *Journal of Insect Behavior* 26(2): 246-252
12. **Uboni A**, Bagnères AG, Christides J-P & Lorenzi MC. 2012. Cleptoparasites, social parasites and a common host: Chemical insignificance for visiting host nests, chemical mimicry for living in. *Journal of Insect Physiology* 58(9): 1259-1264

ONGOING RESEARCH PROJECTS

1. *Toward a holistic understanding of lichen growth: linkages among reindeer, lichens, moose, and forestry.* Responsibilities: PI and thesis supervisor. Student: Chiara Bono (University of Turin). Collaborator: Johan Månsson (SLU)
2. *Non-lethal consequences of a landscape of fear.* Responsibilities: PI and thesis supervisor. Students: Salvatore Valente (Sapienza University of Rome, Italy), Mathilde Schnuriger (University Paris-Sud, France). Collaborators: Anna Skarin, Birgitta Åhman, Jens Frank (SLU), Ole-Gunnar Støen (NINA, Norway), Atle Mysterud and Inger Maren Rivrud (University of Oslo, Norway)

GRANTS

- Mar 2020 Writing Week grant
49 000 SEK, Faculty of Veterinary Medicine and Animal Science (SLU)
- Dec 2019 Travel grant
15 000 SEK, Stiftelsen Gunnar och Birgitta Nordins fond (KSLA)
- Dec 2017 Writing Week grant
42 000 SEK, Faculty of Veterinary Medicine and Animal Science (SLU)
- Dec 2016 Research grant
Toward a holistic understanding of lichen growth: linkages among reindeer, lichens, moose and forestry
192 000 SEK, Stina Werners Fond
- May 2016 Research award
Reindeer, bears and landscape of fear
85 000 SEK, Konung Carl XVI Gustafs 50-årsfond
- Nov 2015 Mobility grant for early-career researchers
Non-lethal consequences of a landscape of fear
4 186 000 SEK, The Swedish Research Council Formas
- Dec 2014 - Apr 2015 Research grants
Determining optimal lichen habitat in coniferous forests of northern Sweden
100 000 SEK, Vidfelts Fond, Sweden
20 000 SEK, Gunnar och Ruth Björkmans Fond, Sweden
20 000 SEK, Lars Hiertas Minne Fond, Sweden
- Dec 2014 Travel grant
Long-term population dynamics of Eurasian reindeer: trends, synchrony, and role of large-scale climate - poster presentation at Arctic Biodiversity Congress 2014
2 757 SEK, Conservation of Arctic Flora and Fauna (CAFF) Secretariat
- June 2008 Internship grant
20 000 €, Fondazione CRT, Italy

SUPERVISION AND TEACHING

- Supervised M.Sc. theses: Mathilde Schnuriger (University Paris-Sud, France), Sara Forni (University of Pisa), Gaia Boso (University of Bologna, Italy), Elena Gazzea (University of Padua, Italy), Salvatore Valente (Sapienza University of Rome, Italy), Chiara Bono, Aura Fortini and Mattia Labartino (University of Turin, Italy)
- Supervised B.Sc. theses: Alessia Merson (University of Trieste, Italy), Maria Johansson and Alexander Blochel (UMU)
- Supervised 17 interns during four field seasons and one M.Sc. student for a two-months internship
- Lecturer at one session of the GIS in Animal Science course (SLU), one day – fall 2018
- Course leader at the Analysis of Spatial Animal Data course (Inland Norway University), two weeks – spring 2018
- Invited speaker at the Ecosystem Management course (Umeå University) and the Conservation Biology course (MTU), spring 2014 and springs 2010/2011, respectively

- Teaching Assistant at the Mammalogy course (MTU), four months - fall 2010
- Invited speaker for 3rd grade students (Julius Kugy Elementary School, Trieste, Italy), spring 2009

PRESENTATIONS AT INTERNATIONAL CONFERENCES

P = poster; O = oral presentation, OR = organizer

- European Congress of Mammalogy (Warsaw, Poland) – P
- Arctic Ungulate Conference (Jokkmokk, Sweden) – P and OR
- Gordon Research Seminar and Conference 2019 (Barga, Italy) - P
- Nordic Conference on Reindeer Husbandry Research 2017 (Jukkasjärvi, Sweden) – O and OR
- Swedish Oikos Meeting 2017 (Lund, Sweden) – O and OR of a symposium
- European Congress of Mammalogy 2015 (Stockholm, Sweden) - O
- Oikos 2015 (Umeå, Sweden) - P and O
- Arctic Biodiversity Congress 2014 (Trondheim, Norway) – P
- 2014 Nordic Seminar (Rovaniemi, Finland) - P
- Nordic Oikos 2014 (Stockholm, Sweden) - O

INVITED TALKS, OUTREACH AND COMMUNICATION WITH STAKEHOLDERS

- Dep. of Forestry and Wildlife Management, Inland Norway University, February 2019
- Dep. of Environmental and Life Sciences, Karlstad University, May 2018
- Dep. of Ecology, SLU, May 2016
- Dep. of Animal Nutrition and Management, SLU, May 2015
- Grimsö Wildlife Research Station, SLU, Apr 2015
- Workshop “Reintroduction of wild reindeer in Sweden”, Umeå University, attended by researchers, practitioners, representatives of forestry industries and Sami reindeer herders, Apr 2015
- Popular science article: Garrido P, Jansson A, Mikusiński G, Naumov V, Öckinger E, Skarin A, Uboni A & Thulin C-G. 2020. “Novel herbivores and functions in ancient ecosystems: Large herbivores for wood-pasture restoration” *Forest Facts*, Swedish University of Agricultural Sciences, Nr 2: 2020
- In 2020, the peer-reviewed publication “Attacked from two fronts: Interactive effects of anthropogenic and biotic disturbances generate complex movement patterns” received a wide media coverage in Sweden
- In 2016 and 2017, the peer-reviewed publication “Long-term population dynamics of Eurasian reindeer: trends, synchrony, and the role of large-scale climate” received a wide media coverage, both nationally (Sweden) and internationally (Germany and United Kingdom). I was interviewed by several journals and the article was also discussed on the Swedish Sami radio.
- Popular science description of my PhD work:
http://yellowstonewolf.org/temporal_variability_in_wolf_habitat_selection.php

CONTINUING PROFESSIONAL DEVELOPMENT

- Successfully passed the courses “*Communicating science with indigenous communities*” (SLU), “*Science communication*” (University of Helsinki, Finland), and *AniMove* (Max Planck Institute for Ornithology, Germany)
- Successfully passed the courses “*Teaching and learning in higher education*” and “*New as university teacher*”, Centre for Teaching and Learning (UMU)
- Successfully passed the courses “*Doctoral supervision*” and “*Grading and Assessment*”, Educational Development Unit (SLU)

ACCOMPLISHMENTS AND AWARDS

- Michigan Technological University Outstanding Graduate Student Leader Award (300 US \$), 2012
- Student Organization of the Year award, Michigan Technological University, 2012
- Inducted in Xi Sigma Pi, the USA National Forestry Honor Society, 2010

REVIEW SERVICE

Journal of Environmental Management; Population Ecology; Rangifer; Canadian Journal of Zoology; Global Change Biology; Journal of Fish and Wildlife Management; Journal of Insect Behavior; Annales Zoologici Fennici; 2014 Latin American and Caribbean Consortium of Engineering Institutions (LACCEI) Conference; Oikos

LANGUAGES

Italian (mother tongue), English (proficient, C2), Spanish (proficient, C1), Swedish (intermediate, B1)

SOFTWARE

Microsoft Office, Adobe Acrobat, R, Inkscape, EndNote, ArcGIS, Geospatial Modelling Environment