

Julien Fattebert

Born on 20th March 1980

Swiss national

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Research Gate [researchgate.net/profile/Julien_Fattebert](https://www.researchgate.net/profile/Julien_Fattebert)

Professional profile page fattebert.weebly.com

Google Scholar scholar.google.com/citations?user=4lTq80AAAAJ

Research interests

Dispersal ecology, Habitat selection, Spatial and landscape ecology, Movement ecology, Wildlife biology, Conservation

Current position and affiliations

- | | |
|------------------|---|
| 2016 Jun-present | Post-doctoral researcher – Swiss Ornithological Institute Vogelwarte , Sempach, Switzerland
Little owl dispersal ecology and landscape connectivity modelling |
| 2016 Sep-present | Honorary Research Fellow – University of KwaZulu-Natal , Durban, South Africa |

Education

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|----------|---|
| 2014 Mar | PhD in Biology (Ecology) - University of KwaZulu-Natal, Durban, South Africa
Dissertation: Spatial ecology of a leopard population recovering from over-harvest |
| 2005 Feb | MSc (<i>cum laude</i>) in Behaviour, Ecology and Evolution - University of Neuchâtel, Neuchâtel, Switzerland
Thesis: Population structure, population size and space use of wild boar <i>Sus scrofa</i> in Canton Geneva, Switzerland [in French] |

Professional training

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|--------------|---|
| 2016 Dec | 'AniMove Fundamentals of Animal Movement Analysis', BiK-F, Frankfurt, Germany |
| 2016 Sep | 'Bayesian Data Analyses Using Linear Models with R and Stan', Vogelwarte, Sempach, Switzerland |
| 2015 Feb-May | Wildlife habitat modelling post-graduate class and computer lab, University of Montana, Missoula, USA |
| 2011 Feb | 'The Malilangwe Course on Chemical and Physical Restraint of African Wildlife', Malilangwe, Zimbabwe |
| 2010 Jan-Mar | Advanced GIS course, University of Geneva, Geneva, Switzerland |

Selected research experience

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|-------------------|--|
| 2016 Jan-Jun | Post-doctoral research fellow – University of KwaZulu-Natal , Durban, South Africa
Animal spatial, movement, and landscape ecology |
| 2015 Feb-Aug | Post-doctoral visiting scholar – University of Montana , Missoula, USA
Dispersal habitat selection and landscape connectivity modelling for large felids |
| 2014 Apr-Dec | Post-doctoral research fellow – University of KwaZulu-Natal , Durban, South Africa
Wild boar spatial ecology; Leopard spatial and dispersal ecology |
| 2010 Mar-2014 Mar | PhD candidate – University of KwaZulu-Natal , Durban, South Africa
Leopard spatial and dispersal ecology – MunYaWana Leopard Project, Panthera , New York, USA |
| 2008 Nov-2009 Jan | Wildlife biologist – University of Bern , Bern, Switzerland
Spatial assessment of risk of wild boar disease spillover to domestic pig |
| 2006 Nov-2008 Sep | Wildlife biologist – KORA Carnivore Ecology and Wildlife Management , Muri b. Bern, Switzerland
Eurasian lynx population monitoring |
| 2004 Feb-2005 Feb | MSc candidate – University of Neuchâtel , Neuchâtel, Switzerland
Wild boar population and spatial ecology – Wildlife Service of Canton Geneva , Geneva, Switzerland |

Teaching experience

Lecturing

- 2015 Apr Guest lecturer – **University of Montana**, Missoula, USA
 Postgraduate lecture on landscape connectivity
 Undergraduate lecture on leopard conservation and spatial ecology
- 2013 Feb-Jun Teaching assistant – **University of KwaZulu-Natal**, Durban, South Africa
 Undergraduate lab in population and community ecology
- 2008 Nov-Dec Wildlife biologist – **University of Bern**, Bern, Switzerland
 GIS training to veterinary postgraduate students

Mentoring and supervision

- 2017-present **MSc** co-supervisor of Diana Novoa – **University of Reading**, UK
 Modelling the effect of roads on ungulates' distribution in an African protected area
- 2016-present **PhD** co-advisor (on 1 paper) to David R Mills – **University of KwaZulu-Natal**, South Africa
 Ecology and conservation of African forest carnivores: niche partitioning in the absence of apex predators
- 2014-2017 **PhD** co-advisor (on 2 papers) to Ross T Pitman – **University of KwaZulu-Natal**, South Africa
 Applied carnivore management in a data deficient world: leopard *Panthera pardus* as a case study
- 2014-2015 **PhD** co-advisor (on 1 paper) to Kevin Morelle – **Université de Liège**, Belgium
 Wild boar movement ecology across scales: Insights from a population expanding into agroecosystems of Southern Belgium
- 2012-2014 **MSc** co-advisor (on 2 papers) to Alexander R Braczkowski – **Oxford University**, UK
 The susceptibility of leopards (*Panthera pardus*) to trophy hunting

Professional skills and expertise

- Data analysis GIS, Statistics
 Resource Selection Functions, Landscape connectivity, Animal movement, Species distribution modelling
 Classic statistics, Generalised linear mixed-models, Maximum likelihood and multi-model inference
- Fieldwork Animal collaring, ground and aerial telemetry, camera-trapping, distance sampling

Computer skills

- GIS R, ArcMap, QGIS, Fragstats
- Statistics R, STATA gllamm
- Others Distance, Mark, Presence

Languages

- French Native language
- English Full professional proficiency
 Resident in South Africa for five years (2010-2014), and in the USA for six months (2015)

Other professional services

- Journal referee Animal Conservation (1 review), Ecology (1), Ecology and Evolution (1), Ecosphere (1), European Journal of Ecology (1), Human-Wildlife Interactions (1), Journal of Applied Ecology (1), Journal of Zoology (1), Mammalian Biology (1), PLoS One (5), South African Journal of Wildlife Research (1), The Science of Nature (1)
- External examiner University of the Free State, Bloemfontein, South Africa (1 MSc thesis)
- Scientific committee 11th International Symposium on Wild boar and other Suids, 5-7 September 2016, Mersch, Luxembourg
- Symposium convenor 11th European Ornithologists' Union meeting, 18-22 August 2017, Turku, Finland

Symposium : 'Natal dispersal movements in resident bird species'

Professional memberships

2017-present International Association for Landscape Ecology (IALE)-Europe www.iale-europe.eu
2017-present British Ornithologists' Union (BOU) www.bou.org.uk
2016-present Wildlife and Game Management Scientific Society (GAMEST) www.thegamest.info

Grants and bursaries

2016 Post-doctoral Fellowship, University of KwaZulu-Natal, Durban, South Africa
2015 Post-doctoral Fellowship, Panthera, New York, USA
2014 Post-doctoral Fellowship, University of KwaZulu-Natal, Durban, South Africa
2013 'Kaplan Graduate Award', Panthera, New York, USA
'Gay Langmuir Bursary', University of KwaZulu-Natal, Durban, South Africa
2010 'Doctoral Research Grant Award' 2010-2012, University of KwaZulu-Natal, Durban, South Africa
2003 'Fonds Wütrich-Mathey-Dupraz', University of Neuchâtel, Neuchâtel, Switzerland

Peer-reviewed publications

2017

- ¹⁵ Janse van Rensburg J, M McMillan, A Gizejewska & J **Fattebert**. (accepted). Rainfall predicts seasonal home range size variation in nyala. *African Journal of Ecology*
- ¹⁴ **Fattebert** J, E Baubet, R Slotow & C Fischer. 2017. [Landscape effects on wild boar home range size under contrasting harvest regimes in a human-dominated agro-ecosystem](#). *European Journal of Wildlife Research* doi: 10.1007/s10344-017-1090-9
- ¹³ Pitman R T, J **Fattebert**, S T Williams, K S Williams, R A Hill, L T B Hunter, H Robinson, J Power, L Swanepoel, R Slotow & G A Balme. 2017. [Cats, connectivity and conservation: incorporating datasets and integrating scales for wildlife management](#). *Journal of Applied Ecology* doi: 10.1111/1365-2664.12851

2016

- ¹² Pitman R T, J **Fattebert**, S T Williams, K S Williams, R A Hill, L T B Hunter, R Slotow & G A Balme. 2016. [The Conservation Costs of Game Ranching](#). *Conservation Letters* doi: 10.1111/conl.12276
- ¹¹ **Fattebert** J, G A Balme, H S Robinson, T Dickerson, R Slotow & L T B Hunter. 2016. [Population recovery highlights spatial organization dynamics in adult leopards](#). *Journal of Zoology* 299 (3): 153–162
- ¹⁰ Braczkowski A, G A Balme, A Dickman, D W Macdonald, J **Fattebert**, P Johnson, T Dickerson & L Hunter. 2016. [Scent lure effect on camera trap-based leopard density estimates](#). *PLoS One* 11 (4): e0151033
- ⁹ Morelle K, J **Fattebert**, C Mengal & P Lejeune. 2016. [Invading or recolonizing? Patterns and drivers of wild boar population expansion into Belgian agroecosystems](#). *Agriculture, Ecosystems and Environment* 222: 267–275

2015

- ⁸ **Fattebert** J, H S Robinson, G Balme, R Slotow & L Hunter. 2015. [Structural habitat predicts functional dispersal habitat of a large carnivore: how leopards change spots](#). *Ecological Applications* 25 (7): 1911-1921
- ⁷ Molnar B, J **Fattebert**, R Palme, P Ciucci, B Betschart, D W Smith & P-A Diehl. 2015. [Environmental and intrinsic correlates of stress in free-ranging wolves](#). *PLoS One* 10 (9): e0137378
- ⁶ Braczkowski A R, G A Balme, A Dickman, D W Macdonald, J **Fattebert**, T Dickerson, P Johnson & L Hunter. 2015. [Who bites the bullet first? The susceptibility of leopards *Panthera pardus* to trophy hunting](#). *PLoS One* 10 (4): e0123100
- ⁵ **Fattebert** J, G Balme, T Dickerson, R Slotow & L Hunter. 2015. [Density-dependent natal dispersal patterns in a leopard population recovering from over-harvest](#). *PLoS One* 10 (4): e0122355
- ⁴ Gizejewska A, A Spodniewska, D Barski & J **Fattebert**. 2015. [Beavers indicate metal pollution away from industrial centers in north-eastern Poland](#). *Environmental Science and Pollution Research* 22 (5): 3969-3975

Prior to 2015

- ³ **Fattebert** J, T Dickerson, G Balme, R Slotow & L Hunter. 2013. [Long-distance natal dispersal in leopard reveals potential for a three-country metapopulation](#). *South African Journal of Wildlife Research* 43 (1): 61-67
- ² Wu N, C Abril, V Hinić, I Brodard, B Thür, J **Fattebert**, D Hüsey & M-P Ryser-Degiorgis. 2011. [Free-ranging wild boar: a disease threat to domestic pigs in Switzerland?](#) *Journal of Wildlife Diseases* 47 (4): 868-879
- ¹ Hebeisen C, J **Fattebert**, E Baubet & C Fischer. 2008. [Estimating wild boar \(*Sus scrofa*\) abundance and density using capture-resight in Canton of Geneva, Switzerland](#). *European Journal of Wildlife Research* 54 (3): 391-405

Other communications and publications

Presented conference talks

- Fattebert** J, J Janse van Rensburg, G Balme, R Slotow & L Hunter. 2016. Warthog, landscape of fear, and leopard predation risk. 11th International Symposium on Wild boar and other Suids, 5-7 September 2016, Mersch, Luxembourg
- Fattebert** J, E Baubet, R Slotow & C Fischer. 2014. Landscape and anthropogenic effects on wild boar space use patterns. 10th International Symposium on Wild boar and other Suids, 1-5 September 2014, Velenje, Slovenia
- Fattebert** J, H Robinson, G Balme, R Slotow & L Hunter. 2014. A leopard never changes its spots: structural habitat predicts functional dispersal habitat in a heterogeneous landscape. 12th Savannah Network Meeting, 9-13 March 2014, Skukuza, South Africa
- Fattebert** J, G Balme, T Dickerson, H Robinson, R Slotow & L Hunter. 2013. Lasting effects of anthropogenic disturbance on the spatial ecology of a recovering leopard population. 31st International Union of Game Biologists (IUGB) Congress, 27-29 August 2013,

Brussels, Belgium

- Fattebert** J, G Balme, T Dickerson, R Slotow & L Hunter. 2013. Conservation restores natal dispersal and population linkage in leopard. 11th Savannah Network Meeting, 4-8 March 2013, Skukuza, South Africa
- Fattebert** J, G Balme, T Dickerson, R Slotow & L Hunter. 2012. Conservation restores natal dispersal behaviour and population linkage in a large carnivore. Student Conference on Conservation Science, 2-4 August 2012, Bangalore, India

Presented conference posters

- Fattebert** J, B Naef-Daenzer, M U Gruebler. 2017. Effects of food supplementation and sex on patterns of natal dispersal in the little owl. British Ornithologists' Union (BOU) Annual Conference 28-30 March 2017, University of Warwick, UK
- Fattebert** J, G Balme, L Hunter & R Slotow. 2012. An analytical framework for the use of UD's to analyze and model seasonal home-range placement, fidelity and habitat selection patterns in a territorial species. Workshop on Quantitative Landscape Ecology and Environmental Sustainability, 2-7 July 2012, Durban, South Africa
- Fattebert** J, C Fischer, C Hebeisen & E Baubet. 2005. Efficiency of supplement feeding in decreasing wild boar crop damages in the Geneva Basin, Switzerland. 27th International Union of Game Biologists (IUGB) Congress, 28 August-3 September 2005, Hannover, Germany
- Fattebert** J, C Fischer, A Kleijer, E Baubet & G Dändliker. 2004. Wild boar population size estimate in canton Geneva, Switzerland. 5th International Symposium on Wild boar and other Suids, 31 August-5 September 2004, Cracow, Poland

Technical reports

- Zimmermann F, J-M Weber, J **Fattebert**, A Ryser, C Hebeisen, C Breitenmoser-Würsten, S Capt & U Breitenmoser. 2009. Carnivore monitoring in Switzerland 2008. KORA Report 48 [in French and German]
- Zimmermann F, J-M Weber, J **Fattebert**, A Ryser, S Caviezel, C Hebeisen, C Breitenmoser-Würsten, A Molinari-Jobin, S Capt & U Breitenmoser. 2008. Carnivore monitoring in Switzerland 2007. KORA Report 45 [in French and German]
- Fattebert** J, S Caviezel, B Avgan, C Breitenmoser-Würsten, U Breitenmoser & F Zimmermann. 2008. Abundance and density estimates of Eurasian lynx in the Central Swiss Jura Mountains in Spring 2008 using photographic capture-recapture. KORA Report 43 [in French and German, with English abstract]
- Zimmermann F, J **Fattebert**, S Caviezel, C Breitenmoser-Würsten & U Breitenmoser. 2008. Abundance and density estimates of Eurasian lynx in the North-western Swiss Alps in winter 2007-2008 using photographic capture-recapture. KORA Report 42 [in French and German]
- Weber J-M & J **Fattebert** (eds). 2008. Wolf monitoring in the Alps, 5th Alpine Wolf Workshop, La Fouly (VS), Switzerland, 2-3 October 2007. KORA Report 41
- Zimmermann F, J-M Weber, A Molinari-Jobin, A Ryser, J **Fattebert**, C Breitenmoser-Würsten, S Capt & U Breitenmoser. 2007. Monitoring of the carnivores in Switzerland 2006. KORA Report 40 [in French and German]
- Zimmermann F, J **Fattebert**, C Breitenmoser-Würsten & U Breitenmoser. 2007. Abundance and density estimates of Eurasian lynx in the northern Swiss Jura Mountains using photographic capture-recapture. KORA Report 37 [in French and German, with English executive summary]
- Fattebert** J & F Zimmermann. 2007. Camera-trapping Eurasian lynx in the Jura Mountains: a pilot-study. KORA Report 36 [in French, with English abstract]

Popular article

- Mallon D, M Al Jumaily, K Budd, J-A Edmonds, J **Fattebert** & A K Nasher. 2008. Leopard Traps in Arabia. *Wildlife Middle East* 3 (1): 7