

Curriculum Vitae

GUILLAUME BASTILLE-ROUSSEAU

Department of Fish, Wildlife, and Conservation Biology
Colorado State University
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Fort Collins, Colorado 80523
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1. EDUCATION

Ph.D. in Environmental and Life Sciences December 2014

Trent University, Peterborough, Canada

Dissertation: Habitat selection and demography of Newfoundland caribou

Advisors: Drs. Dennis Murray & James Schaefer

M.Sc. in Biology March 2010

Laval University, Québec, Canada

Thesis: Black bear resource selection and predation behaviour on neonate ungulates

Advisors: Drs. Daniel Fortin & Christian Dussault

B.Sc. in Ecology December 2007

Sherbrooke University, Sherbrooke, Canada

2. APPOINTMENTS

Sept. 2014- [State University of New York](#)
Dec. 2016 Post-doctoral associate, Giant Tortoise movement ecology program

Jan. 2017- [Colorado State University](#)
Current Post-doctoral associate, Elephant movement for conservation in Kenya

3. RESEARCH

Publications

Published in refereed journals

1. **Bastille-Rousseau, G.**, Wittemyer, G. (2019) *A framework for defining individual movement tactics demonstrates the influence of heterogeneity in resource selection on population distribution of African elephants*. **Ecology Letters** 22: 1471-1427 (**Front cover**)
R package available at: <https://github.com/BastilleRousseau/IndRSA>
2. Ihwagi, F., Skidmore, A. K., Wang, T., **Bastille-Rousseau, G.**, Toxopeus, A.G., Douglas-Hamilton, I. (2019) *Poaching lowers elephant path tortuosity: Implications for conservation*. **Journal of Wildlife Management** 83:1022-1031

3. Iegorova, L., Gibbs, J. P., Mountrakis, G., Paltsyn, M., **Bastille-Rousseau, G.**, Ayatkhan, A., Baylagasov, L., Robertus, Y., Chelyshev, A. (Accepted) *Interacting effects of socio-political systems, climate, and topography on rangeland dynamics in the Altai Mountain region of central Asia*. **Environmental Research Letters**
4. Mumma, M., **Bastille-Rousseau, G.**, Gullage, S., Soulliere, C., Mahoney, S., Waits, L. (2019) *Intrinsic traits of woodland caribou Rangifer tarandus caribou calves depredated by black bears Ursus americanus and coyotes Canis latrans*. **Wildlife Biology** 2019: 1-9
5. **Bastille-Rousseau, G.**, Yackulic, C., Gibbs, J. P., Frair, J., Cabrera, F., F., Blake, S. (2019) *Migration triggers in a large herbivore: Galapagos giant tortoises navigating resource gradients on volcanoes*. **Ecology** 100: 1-11
6. Wittemyer, G., Northrup, J., **Bastille-Rousseau, G.** (2019) *Behavioral valuation of landscapes using movement data*. **Philosophical Transactions of the Royal Society B** 374: 1-12
7. Narr, C., Ebert, D., **Bastille-Rousseau, G.**, Frost, P. (2019) *Nutrient availability affects the prevalence of a microsporidian parasite*. **Journal of Animal Ecology** 88: 579-590
8. **Bastille-Rousseau, G.**, Douglas-Hamilton, I., Blake, S., Northrup, J., Wittemyer, G. (2018) *Applying network theory to animal movements to identify properties of landscape space use*. **Ecological Applications** 28: 854-864
R package available at: <https://github.com/BastilleRousseau/moveNT>
9. Rayl, N. D., **Bastille-Rousseau, G.**, Organ, J. F., [...], Fuller, T. K., (2015) *Spatiotemporal heterogeneity in prey abundance and vulnerability shapes the foraging tactics of an omnivore*. **Journal of Animal Ecology** 87: 874-887 (**Front cover**)
10. **Bastille-Rousseau, G.**, Wall, J., Douglas-Hamilton, I., Wittemyer, G. (2018) *Optimizing wildlife crossing structures using GPS telemetry*. **Journal of Applied Ecology** 55: 2055-2063 (**Front cover**)
R package available at: <https://github.com/BastilleRousseau/wildxng>
11. **Bastille-Rousseau, G.**, Schaefer, J. A., Lewis, K., Peers, M. J. L., Ellington, E. H., Mumma, M. A., Rayl, N.D., Mahoney, S. P., Murray, D. L. (2018) *Climate change can alter predator-prey dynamics and population viability of prey*. **Oecologia** 186: 141-150
12. **Bastille-Rousseau, G.**, Murray, D.L., Schaefer, J.A., Lewis, M.A., Mahoney, S., Potts, J.R. (2018) *Spatial scales of habitat selection decisions: implications for telemetry-based movement modelling*. **Ecography** 41: 437-443 (**Editor's choice**)
13. Yackulic, C., Blake, S., **Bastille-Rousseau, G.** (2017) *Fitness gains at destinations, not costs of the journey, drive size biases in migration*. **Journal of Animal Ecology** 86: 972-982
14. **Bastille-Rousseau, G.**, S. Blake., Campbell, K., Yackulic, C., Cabrera, Gibbs, J. (2017) *Ecosystem implication of conserving endemic versus eradicating introduced large herbivores in the Galapagos Archipelago*. **Biological Conservation** 209: 1-10
15. **Bastille-Rousseau, G.**, Gibbs, J., Yackulic, C., Frair, J., Cabrera, F., Rousseau, L-P, Wikelski, M., Kuemmeth, F., Blake, S. (2017) *Animal movement in the absence of predation: Environmental drivers of movement strategies in a partial migration system*. **Oikos** 126: 1004-1019

16. **Bastille-Rousseau, G.**, Yackulic, C., Frair, J., Cabrera, F., F., Blake, S. (2016) *Allometric and temporal scaling of movement characteristics in Galapagos tortoises*. **Journal of Animal Ecology** 85: 1171-1181 (Front cover)
17. **Bastille-Rousseau, G.**, Potts, J., Yackulic, C., Frair, J., Ellington, E.H., Blake, S. (2016) *Flexible characterization of animal movement pattern using net squared displacement and a latent state model*. **Movement Ecology** 4:15
R package available at: <https://github.com/BastilleRousseau/lsmnsd>
18. Peers, M. J. L., Thornton, D. H., Majchrzak, Y. N., **Bastille-Rousseau, G.**, Murray, D. L. (2016) *Decreasing extinction potential under climate change: extensive mismatch between historic and future habitat suitability for three candidate birds*. **Biological Conservation** 197: 167-170
19. **Bastille-Rousseau, G.**, Rayl, N.D., Ellington, E. H., Schaefer, J. A., Lewis, K., Peers, M. J. L., Mumma, M. A., Mahoney, S. P., Murray, D. L. (2016) *Temporal variation in habitat use, co-occurrence, and risk among generalist predators and a shared prey*. **Canadian Journal of Zoology** 94: 191-198
20. **Bastille-Rousseau, G.**, Schaefer, J. A., Lewis, K., Mumma, M. A., Ellington, E. H., Rayl, N.D., Pouliot, D., Mahoney, S. P., Murray, D. L. (2016) *Phase-dependent climate-predator interactions explain three decades of variation in neonatal caribou survival*. **Journal of Animal Ecology** 85: 445-456
21. Ferreira, C., **Bastille-Rousseau, G.**, Bennett, A, Ellington, E. H., [...], Murray, D. L. (2016) *The evolution of peer review as a basis for publication in ecology: Directional selection towards a robust discipline?* **Biological Reviews** 91: 597-610
22. Rayl, N. D., Fuller, T. K., Organ, J. F., McDonald, J. E., Otto, R. D., **Bastille-Rousseau, G.**, Mahoney, S. P. (2015) *Spatiotemporal variation in the distribution of potential predators of a resource pulse: black bears and threatened caribou calves in Newfoundland*. **Journal of Wildlife Management** 79: 1041-1050
23. Basille, M., Fortin, D., Dussault, C., **Bastille-Rousseau, G.**, Ouellet, J.P., Courtois, R. (2015) *Flexible response of a large ungulate facing increasing predation risk*. **Ecology** 96: 2622-2631
24. **Bastille-Rousseau, G.**, Potts, J.R., Schaefer, J.A., Lewis, M.A., Ellington, H.E., Rayl, N.D., Mahoney, S., Fuller, T.K., Organ, J.F., Murray, D.L. (2015) *Unveiling tradeoffs in resource selection of migratory caribou using a mechanistic movement model of availability*. **Ecography** 38: 1049-1059
25. Murray, D. L., **Bastille-Rousseau, G.**, Adams, J. R., Sparkman, A. M., Waits, L. P. (2015) *The challenges of red wolf conservation and the fate of an endangered species recovery program*. **Conservation Letters** 8: 338-344
26. Ye, X., Wang, T., Skidmore, A. K., Fortin, D., **Bastille- Rousseau, G.** and Parrott, L. (2015) *A wavelet-based approach to evaluate the roles of structural and functional landscape heterogeneity in animal space use at multiple scales*. **Ecography** 38: 740-750
27. Ellington, H.E., **Bastille-Rousseau, G.**, Austin, C., Landolt, K., Pond, B.A., Rees, E.E., Robar, N., Murray, D.L. (2015) *Using multiple imputation to estimate missing data in meta-analyses*. **Methods in Ecology and Evolution** 6: 153-163
28. Rayl, N.D., Fuller, T.K., Organ, J.F., McDonald, J.E., Mahoney, S.P., Souliere, S., Gullage, S., Hodder, T., Norman, F., Porter, T., **Bastille-Rousseau, G.**, Schaefer, J.A., Murray, D.L. (2014) *Mapping the*

distribution of a prey resource: neonate caribou in Newfoundland. Journal of Mammalogy 95: 328-339

29. Potts, J. R., **Bastille-Rousseau, G.**, Murray, D. L., Schaefer, J.A., Lewis, M.A. (2014) *Predicting local and non-local effects of resources on animal space use using a mechanistic step-selection model. Methods in Ecology and Evolution* 5: 253-262
30. **Bastille-Rousseau, G.**, Schaefer, J.A., Mahoney, S., Murray, D. L. (2013) *Population fluctuation and synchrony in a semi-migratory ungulate: Intrinsic or extrinsic drivers? Canadian Journal of Zoology* 91: 820-828
31. **Bastille-Rousseau, G.**, Fortin, D., Dussault, C., Courtois, R., Ouellet, J.P. (2011) *Foraging strategies by omnivores: Are black bears actively searching for ungulate fawns or are they simply opportunistic predators? Ecography* 34: 588-596
32. **Bastille-Rousseau, G.**, Fortin, D., Dussault, C. (2010) *Inference from habitat selection analysis depends on resource use strategies. Journal of Animal Ecology* 79:1157-1163
33. Basille M., Courtois R., **Bastille-Rousseau G.**, Courbin N., Faille G., Dussault C., Ouellet J.-P., Fortin D. (2010) *Effets directs et indirects de l'aménagement de la forêt boréale sur le caribou forestier au Québec* (English : *Direct and indirect effects of boreal forest silviculture on forest-dwelling caribou*). *Le Naturaliste Canadien* 135: 46-52

Submitted to refereed journals

1. **Bastille-Rousseau, G.**, Wall, J., Lesowapir, B., Loloju, B., Mwangi, N., Douglas-Hamilton, I., Wittemyer, G. (Minor revision) *Landscape-scale habitat selection of African elephants shows strong response to foraging opportunities in a human dominated ecosystem. Ecography*
2. **Bastille-Rousseau, G.**, Wittemyer, G. (In review) *Characterizing animal "movescapes" allows insight to types of critical habitats and movement corridors. Global Change Biology*
3. Blake, S., Cabrera, F., Cruz, S., Soto, D.E., Yackulic, C., **Bastille-Rousseau, G.**, Gibbs, J., Deem, S. (Major revision) *Environmental variation structures reproductive strategies in a long-lived mega-herbivore on the Galapagos Islands. Ecological Monographs*
4. Murray, D.L., Peers, M., **Bastille-Rousseau, G.**, Thornton, D., Majchrzak, Y. (In review) *Evidence-based recovery planning is a necessary step for red wolf conservation. Biological Conservation*
5. Ihwagi, F., Skidmore, A. K., Wang, T., **Bastille-Rousseau, G.**, Toxopeus, A.G., Douglas-Hamilton, I. (Rejected with invitation to resubmit) *Elephants lose activity time daily as they adapt to the risk of illegal killing. International Journal of Geographical Information Science*

Book chapters

1. Murray D.L., Row J., **Bastille-Rousseau, G.**, Hornseth M., Thornton, D.H., (Accepted). *From research hypothesis to model selection: A strategy toward robust inference in population ecology. In Population Ecology in Practice: Underused, Misused, and Abused Methods. Editors Murray D.L. & Sandercock B.*
2. Murray D.L., **Bastille-Rousseau, G.** (Accepted) *Estimating survival and cause-specific mortality from continuous time observations. In Population Ecology in Practice: Underused, Misused, and Abused Methods. Editors Murray D.L. & Sandercock B.*

3. Frair, J., **Bastille-Rousseau, G.**, (In review) *Data collection and quantitative considerations for studying pattern-process relationships on landscapes*. In *Wildlife and Landscapes: Principles and applications for landscape management*. Editors Porter, W.F., Parent, C. J., & Williams, D.M.

Technical reports

1. **Bastille-Rousseau, G.**, Dussault, C., Couturier, S., Fortin, D., St-Laurent, M.-H., Drapeau, P., Dussault, C., Brodeur, V. (2012). *Sélection d'habitat du caribou forestier en forêt boréale québécoise*, Québec, ministère du Développement durable, de l'Environnement, de la Faune et des Parcs, Direction générale de l'expertise sur la faune et ses habitats, 66p.
2. **Bastille-Rousseau, G.** (2010). *Propositions et recommandations entourant les méthodes d'analyses applicables aux données d'inventaires aériens de l'orignal suite à leur numérisation*, Québec, ministère des Ressources naturelles et de la Faune, Direction générale de l'expertise sur la faune et ses habitats, 44p.

Proceedings

1. **Bastille-Rousseau, G.** 2010. Synthèse provinciale de la sélection d'habitat du caribou forestier : résultats préliminaires In *Actes du colloque «le caribou forestier : un enjeu de biodiversité et de développement durable.»*, pp 35-37. Ministère des Ressources naturelles et de la Faune, Chicoutimi (Québec, Canada).
2. **Bastille-Rousseau, G.**, Fortin, D., Dussault, C., Courtois, R., Ouellet, J.P., 2010. Prédation de l'ours sur les jeunes cervidés: Recherche active ou rencontre fortuite. In *Actes du colloque «le caribou forestier : un enjeu de biodiversité et de développement durable.»*, pp 94-96. Ministère des Ressources naturelles et de la Faune, Chicoutimi (Québec, Canada).

Invited talks (Full list of talks and posters at end of C.V.)

1. **Bastille-Rousseau, G.** 2019. *Quantifying animal movement to link population, community, and ecosystem processes*. Pennsylvania State University (State College, PA)
2. **Bastille-Rousseau, G.** 2019. *Quantifying animal movement to predict wildlife distributions and conserve ecosystems*. University of California - Davis (Davis, CA)
3. **Bastille-Rousseau, G.** 2019. *Deconstructing populations: A quantitative framework for the advancement of population ecology*. Boise State University (Boise, ID)
4. **Bastille-Rousseau, G.** 2019. *Understanding and managing wildlife to conserve ecosystems*. Southern Illinois University (Carbondale, IL)
5. **Bastille-Rousseau, G.** 2018. *Stalking engineers in a changing world: A quantitative framework for conserving ecosystem function*. University of Ottawa (Ottawa, ON)
6. **Bastille-Rousseau, G.** 2018. *Wildlife research in the 21st century: Complicated tools and data to address complicated challenges*. University of Wyoming (Laramie, WY)
7. **Bastille-Rousseau, G.** 2017. *Navigating in a changing world: How tracking animal advances conservation*. Utah State University (Logan, UT)
8. **Bastille-Rousseau, G.** 2017. *Understanding and preserving animal movement to conserve ecosystem functioning*. South Dakota State University (Brookings, SD)

9. **Bastille-Rousseau, G.** 2016. *Detecting the influence of predation risk on transition patterns in prey behavioural states using GPS telemetry*. Symposium: The reality of assessing predation risk – Canadian Society of Ecology and Evolution (St. John's, NL).
10. **Bastille-Rousseau, G.** 2015. *Walking with giants: Movement ecology of Galapagos tortoise*. Trent University Life Sciences Seminar Series. (Peterborough, ON)
11. **Bastille-Rousseau, G.** 2015. *Considering scale in resource attraction: implications for movement modelling of Newfoundland caribou*. Symposium: Frontiers in resource and habitat selection – Canadian Society of Ecology and Evolution (Saskatoon, SK).

Grants and Fellowships

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| \$16,700 | Implications of future climate change and land use change on species persistence. Environment and Climate Change Canada. 2019 |
| \$90,000 | Elephant movement for conservation in Kenya. Postdoctoral Fellowships Program. Natural Sciences and Engineering Research Council of Canada. 2017-2019 |
| \$70,000 | Movement ecology of Galapagos giant tortoises. Postdoctoral Research Scholarships. <i>Fonds de recherche Nature et technologies</i> . 2015-2016 |
| \$21,000 | Demography and habitat selection of Newfoundland caribou. Sustainable Development and Strategic Science – Government of Newfoundland and Labrador. 2013-2014 |
| \$105,000 | Demography and habitat selection of Newfoundland caribou. Alexander Graham Bell Canada Graduate Scholarships - Natural Sciences and Engineering Research Council of Canada. 2010-2013 |
| \$60,000 | Demography and habitat selection of Newfoundland caribou. Doctoral Research Scholarships. <i>Fonds de recherche Nature et technologies</i> . Declined |
| \$6,500 | Habitat selection of forest-dwelling caribou across Québec, <i>Fondation Québécoise de la Faune</i> . 2010 |
| \$15,000 | Black bear resource selection and predation behaviour on neonate ungulates. Master Research Scholarships. <i>Fonds de recherche Nature et technologies</i> . 2009-2010 |
| \$17,500 | Black bear resource selection and predation behaviour on neonate ungulates. Alexander Graham Bell Canada Graduate Scholarships - Natural Sciences and Engineering Research Council of Canada. 2008-2009 |
| \$6,500 | Fluctuating asymmetry on leaves of <i>Calotropis procera</i> . Undergraduate Student Research Awards. Natural Sciences and Engineering Research Council of Canada. 2006 |

4. TEACHING EXPERIENCES

Teaching

| | |
|--------------------------------|---|
| Jan. 2016 – | <u>State University of New York</u> |
| May 2016 | Co-instructor in Landscape Ecology (26 students) |
| | Co-instructor of Mixed Models in R (12 students) |
| <u>Invited lectures</u> | |
| Nov. 2017 | <u>Colorado State University</u> |
| | Large mammal conservation and management |
| <u>Workshop</u> | |
| Oct. 2016 | <u>The Wildlife Society annual conference</u> |
| | Quantitative analysis of satellite-derived data for animal ecology and conservation |

Teaching assistantships

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| Sept. 2010 – | <u>Trent University</u> |
| May 2014 | Teaching assistant in Development biology (4), Animal physiology (2) and Cell biology (2). |
| Sept. 2008 – | <u>Laval University</u> |
| Dec. 2008 | Teaching assistant in Population Ecology |

Mentoring

I have mentored 6 MSc¹, 5 PhD², and 1 honor students³ while under the supervision of D. Murray, J. Gibbs, J. Frair, and G. Wittemyer [Murray: A. Borlesteian¹, M. Peers¹, C. Terwissen¹; Gibbs: L. legorova¹; Frair: C. Low¹, S. Peterson¹, L. Petrecca², A. Devlin², Wittemyer: H. Holmes³, A. Chan², N. Hahn², A. Kellner²]. I contributed data and expertise to design, analysis, and writing. I serve as a committee member for L. legorova and H. Holmes.

5. AWARDS

- French American Charitable Trust Graduate Scholarship – Trent University. 2014
- ESRI Canada Scholarship Award – Trent University. 2013
- E.W. Curtin & Irene Curtin Graduate Scholarship – Trent University. 2012
- French American Charitable Trust Graduate Scholarship – Trent University. 2011
- Admission Grant - Sherbrooke University. 2004

6. SERVICE

Manuscript reviews

Annals of Applied Statistics (2), Behavioral Ecology, Biological Conservation (2), Canadian Journal of Zoology, Conservation Letters, Diversity and Distributions, Ecography (3), Ecological Applications (3), Ecological Modelling (3), Ecology (3), Ecology and Evolution (2), Ecoscience (3), Ecosphere (3), Forestry, Frontiers in Ecology and the Environment, Global Change Biology (3), Journal of Animal Ecology (8), Journal of Applied Ecology (2), Journal of Wildlife Management, Landscape Ecology (3), PlosOne (3), Proceedings of the Royal Society B, Scientific Reports (3), USGS internal review (2), Wildlife Biology (2), Wildlife Research (4)

Symposium organization

- Ecological insights from terrestrial mammals in Newfoundland. Canadian Society of Ecology and Evolution, 2016 (St. John's, NL).

Service to local communities

- Judge for the Peterborough Science Fair. 2012-2013
- Judge for the Camillus Middle School Science fair. 2015
- Coach for the Junior Peterborough badminton club. 2011-2014

7. PROFESSIONAL ORGANIZATIONS

Ecological Society of America, Canadian Society of Ecology and Evolution, British Ecological Society, The Wildlife Society, Center for Forestry Research.

8. PREVIOUS EXPERIENCES

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| May 2010 – | <u>Québec Ministry of Natural Resources</u> |
| July 2010 | GIS-specialist/biologist, large-scale habitat selection of forest-dwelling caribou across Québec |
| April 2010 - | <u>Québec Ministry of Natural Resources</u> |
| May 2010 | Biologist/GIS-specialist, habitat and hunting effects on moose density |
| May 2007 – | <u>Laval University</u> (Prince-Albert National Park, Saskatchewan) |
| August 2007 | Field assistant, movement of Plains Bison |
| Sept. 2006 – | <u>Federal University of Pernambuco (Brazil)</u> |
| Dec. 2006 | Research assistant, herbivory of <i>Calotropis procera</i> (Asclepiadaceae) |
| Jan. 2006 – | <u>Agriculture and Agri-Food Canada</u> |
| April 2006 | Lab assistant, biological control of predatory mites |
| May 2005 – | <u>Parks Canada Agency</u> (Mingan Archipelago National Park) |
| August 2005 | Naturalist, various surveys and studies with the Conservation Unit |

9. ADDITIONAL SKILLS AND EXPERIENCE

- Field work: vegetation surveys (species sampling, canopy closure, basal area), telemetry, behavioral observations, backcountry navigation and camping.
- Modelling skills: R, python, WinBUGS, OpenBUGS, JAGS.
- GIS skills: ArcGIS level 3 and geoprocessing using python (certification by ESRI Canada).
- Languages: French (native), English (fluent), Portuguese/Spanish (working knowledge)

10. PRESENTATION AT PROFESSIONAL MEETINGS AND WORKSHOPS

(excludes co-authored presentations in which I was not the speaker)

1. **Bastille-Rousseau, G.** 2019. *Quantifying animal movement to link population, community, and ecosystem processes*. Arkansas State University (Jonesboro, AR)
2. **Bastille-Rousseau, G.**, Wall, J., Douglas-Hamilton, I., Wittemyer, G. 2017. *Optimizing wildlife crossing structures using GPS telemetry*. Biologging (Konstanz, Germany).
3. **Bastille-Rousseau, G.** 2017. *Understanding and preserving animal movement to conserve ecosystem functioning*. Colorado State University FWCB Seminar Series. (Fort Collins, CO)
4. **Bastille-Rousseau, G.**, Gibbs, J., Yackulic, C., Frair, J., Cabrera, F., Blake, S. 2016. *Giants on the move: Environmental dynamics, resource selection patterns, and movement strategies of Galapagos tortoises*. The Wildlife Society (Raleigh, NC).

5. **Bastille-Rousseau, G.** 2016. *Foraging under predation risk: Linking movement patterns of caribou to their decline in abundance*. Symposium: Ecological insights from terrestrial mammals in Newfoundland – Canadian Society of Ecology and Evolution (St. John's, NL).
6. **Bastille-Rousseau, G.** 2016. *Detecting the influence of predation risk on transition patterns in prey behavioural states using GPS telemetry*. Symposium: The reality of assessing predation risk – Canadian Society of Ecology and Evolution (St. John's, NL).
7. **Bastille-Rousseau, G.** 2016. *Mega-herbivore vs mega-abundant: Interacting impacts of endemic giant tortoises and introduced large herbivores on vegetation in the Galapagos archipelago*. Canadian Society of Ecology and Evolution (St. John's, NL).
8. **Bastille-Rousseau, G.**, Gibbs, J., Yackulic, C., Frair, J., Blake, S. (2015) *Rien ne sert de courir: stratégies de déplacements des tortues des Galápagos*. Société Québécoise pour l'Étude Biologique du Comportement (SQEBC) 40ème congrès annuel. (Québec, QC)
9. **Bastille-Rousseau, G.**, Potts, J., Yackulic, C., Frair, J., Ellington, E.H., Blake, S. (2015) *Characterizing movement strategies of Galapagos giant tortoises using a Bayesian mixture distribution model and net squared displacement*. 100th annual meeting of the Ecological Society of America
10. **Bastille-Rousseau, G.** 2015. *Considering scale in resource attraction: implications for movement modelling of Newfoundland caribou*. Symposium: Frontiers in resource and habitat selection – Canadian Society of Ecology and Evolution (Saskatoon, SK).
11. **Bastille-Rousseau, G.**, Schaefer, J.A., Murray D.L. 2014. *Population fluctuation, synchrony and survival in Newfoundland caribou*. Genomes to Biomes. (Montreal, QC)
12. **Bastille-Rousseau, G.**, Potts, J.R., Murray, D.L., Lewis, M.A., Mahoney, S. & Schaefer, J.A. 2014. *Migration of Newfoundland caribou as an antipredator strategy: why move if there is nothing to avoid*. Symons Seminar Series on Graduate Research. (Peterborough, ON)
13. **Bastille-Rousseau, G.**, Potts, J.R., Murray, D.L., Lewis, M.A., Mahoney, S. & Schaefer, J.A. 2013. *Unveiling hierarchical tradeoffs in resource selection of migratory caribou using a mechanistic movement model*. Société Québécoise pour l'Étude Biologique du Comportement (SQEBC) 38ème congrès annuel. (Montreal, QC)
14. **Bastille-Rousseau, G.**, Schaefer, J.A., Mahoney, S., Murray, D.L. 2013. *Population fluctuation and synchrony in a semi-migratory ungulate: Intrinsic or extrinsic drivers?* Intecol 2013 (London, UK)
15. **Bastille-Rousseau, G.**, Potts, J.R., Murray, D.L., Lewis, M.A., Mahoney, S. & Schaefer, J.A. 2013. *Unveiling hierarchical tradeoffs in resource selection of migratory caribou using a mechanistic movement model*. The 11th International Mammalogical Congress (Belfast, UK)
16. **Bastille-Rousseau, G.**, Potts, J.R., Murray, D.L., Lewis, M.A., Mahoney, S. & Schaefer, J.A. 2013. *Unveiling hierarchical tradeoffs in resource selection of migratory caribou*. Trent University GIS Day. (Peterborough, ON)
17. **Bastille-Rousseau, G.**, Schaefer, J.A., Mahoney, S., Murray, D.L. 2012. *Fluctuations d'abondance chez le caribou de Terre-Neuve : Facteurs intrinsèques ou extrinsèques*. Société Québécoise pour l'Étude Biologique du Comportement (SQEBC) 37ème congrès annuel. (Montreal, QC)

18. **Bastille-Rousseau, G.**, Murray, D.L, Schaefer, J.A., Fortin, D., Dussault, C., Mahoney, S., 2012. *Caribou calf survival: From influence of climate in Newfoundland to black bear hunting behaviour in Québec*. Trent-MNR Caribou Day (Peterborough, ON)
19. **Bastille-Rousseau, G.**, Murray, D.L, Schaefer, J.A, Mahoney, S., 2012. *Climate and predation: Interactions between two factors affecting caribou neonate survival in Newfoundland*. Trent Northern Studies Student Colloquium (Peterborough, ON)
20. **Bastille-Rousseau, G.**, Murray, D.L, Schaefer, J.A, Mahoney, S., 2011. *Climat et prédation : Interactions entre deux éléments affectant la mortalité des faons de caribou de Terre-Neuve*. Société Québécoise pour l'Étude Biologique du Comportement (SQEBC) 36ème congrès annuel. (Sherbrooke, QC)
21. **Bastille-Rousseau, G.** 2010. *Synthèse provinciale de la sélection d'habitat du caribou forestier : résultats préliminaires*. Colloque « Le caribou forestier : un enjeu de biodiversité et de développement durable ». (Saguenay, QC).
22. **Bastille-Rousseau, G.**, Fortin, D., Dussault, C., Courtois, R., Ouellet, J.P., 2010. *Prédation de l'ours sur les jeunes cervidés : Recherche active ou rencontre fortuite*. Colloque « Le caribou forestier : un enjeu de biodiversité et de développement durable ». (Saguenay, QC).
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