

CURRICULUM VITAE

Julien Martin, PhD
UK Lecturer (i.e. Assistant Professor)
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Aberdeen, United-Kingdom
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Phone: +44 (0)1224 272399

EDUCATION

UK Lecturer (i.e. Assistant professor in North America) University of Aberdeen, Aberdeen, Scotland, UK	2015-...
Marie-Curie Research fellow University of Aberdeen, Aberdeen, Scotland, UK	2013-2015
Postdoctoral research “Evolutionary Dynamics in a Rapidly Changing Environment” Supervised by Dan Blumstein University of California – Los Angeles, Los Angeles, California, USA	2010-2013
PhD. in Biology (Evolutionary ecology) “Stratégies de reproduction des femelles du mouflon d'Amérique (<i>Ovis canadensis</i>)” Supervised by Marco Festa-Bianchet Université de Sherbrooke, Sherbrooke, Quebec, Canada	2006-2010
MSc in Biology (Behavioural ecology) “Tempérament et syndromes comportementaux dans une population sauvage de tamias rayés (<i>Tamias striatus</i>)” Supervised by Denis Réale Université du Québec à Montréal (UQAM), Montreal, Quebec, Canada	2003-2006
Master in Biology (French degree) in CREPUQ exchange Université de Nancy, Nancy, France and UQAM, Montreal, Quebec, Canada	2002-2003
Biology license (French degree). Université de Nancy, Nancy, France	2001-2002

AWARDS

Dean's honor list for PhD Université de Sherbrooke, Qc, Canada	2011
Excellence awards for publications (4) Centre d'Études Nordiques, Qc, Canada	2011
Jean-Huot Excellence Award for performance Centre d'Études Nordiques, Qc, Canada	2010
Excellence awards for publications (2) Centre d'Études Nordiques, Qc, Canada	2010

SCHOLARSHIPS AND RESEARCH GRANTS

EASTBIO-BBSRC PhD Scholarship <u>100,000£</u> Alexandra Jebb. Metabolism programming and environmental variation. Biotechnology and Biological Sciences Research Council, Royaume-Unis	2017-2021
NERC PhD Scholarship <u>80,000£</u> Svenja Kroeger : Age-dependent and age-independent senescence in yellow-bellied marmots. Natural Environment Research Council, Royaume-Unis	2013-2017
NSF-Long Term Research in Environmental Biology (LTREB) renewal <u>500,000 US\$ Research grant</u> Obtained in collaboration with Dan Blumstein Project: "LTREB: Evolutionary Dynamics in a Rapidly Changing Environment" National Science Foundation (NSF), United-States of America	2017-2021
Start-up research grant <u>21,000£</u> University of Aberdeen	2013-2017
Marie-Curie International Incoming Fellowship <u>231,500 €</u> "Integrating the ecological and evolutionary consequences of phenological change in a wild mammal system" European Commission	2013-2015
NSF-Long Term Research in Environmental Biology (LTREB) <u>500,000 US\$ Research grant</u> Obtained in collaboration with Dan Blumstein Project: "LTREB: Evolutionary Dynamics in a Rapidly Changing Environment" National Science Foundation (NSF), United-States of America	2011-2016
FQRNT Postdoctoral Fellowship <u>60,000 C\$</u> Fond Québécois de Recherche sur la Nature et les Technologies, Qc, Canada	2010-2012
Travel scholarship for a meeting <u>472 C\$</u> "Reproductive strategies of bighorn ewes" presented at ESEB in Turin, Italy Université de Sherbrooke, Qc, Canada	2009
Alexander Graham Bell Canada Graduate Scholarship (CGS) <u>70,000 C\$</u> Natural Sciences and Engineering Research Council of Canada (NSERC), Canada	2008-2010
MELS Scholarship <u>5,000 C\$</u> Ministère de l'éducation, des loisirs et du sport du Québec, Qc, Canada	2008
FQRNT excellence Scholarship <u>20,000 C\$</u> Fond Québécois de Recherche sur la Nature et les Technologies, Qc, Canada	2007-2008
MELS Scholarship <u>5,000 C\$</u> Ministère de l'éducation, des loisirs et du sport du Québec	2007
ACA Challenge Grants in Biodiversity <u>15,400 C\$ Research grant</u> "Effects of density, weather, cohort and genetics on the population dynamics of bighorn sheep" Alberta Conservation Association (ACA), Alberta, Canada	2007-2009

Université de Sherbrooke Scholarship 4,000 C\$ Université de Sherbrooke Foundation, Qc, Canada	2006-2007
FARE Scholarship 5,000 C\$ UQAM Foundation, Qc, Canada	2004-2005
Hydro-Québec Scholarship 5,000 C\$ UQAM Foundation and Hydro-Québec, Qc, Canada	2003-2004

TEACHING AND WORKING EXPERIENCES

Course coordinator

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| • <u>Improving Presentation skills workshop for PhD students</u> | Since 2016 |
| • <u>BI3809 – Life-history evolution</u> | Since 2016 |
| • <u>EK5003 – Introduction to ecological research in Northern Scotland</u> | Winter 2015 |

Lecturer

University of Aberdeen – Aberdeen, Scotland, UK

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| • <u>ZO4529 – Marine Mammalogy 8h field practical</u> | Since 2017 |
| • <u>BI3505 – Behavioural biology 2h lecture</u> | Since 2016 |
| • <u>Improving Presentation skills workshop for PhD students 4h lecture</u> | Since 2016 |
| • <u>BI3809 – Life-history evolution 20h lectures, 25h practicals</u> | Since 2016 |
| • <u>EK5003 – Introduction to ecological research in Northern Scotland 8 days in a remote field station</u> | Since 2015 |
| • <u>ZO4359 – Advanced Behavioural ecology 2 hours</u> | Since 2015 |

University of California - Los Angeles, Los Angeles, California, USA

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| • <u>Advanced statistics in Biology 10h lecture</u> | 2012 |
| • <u>EEB 100 – Introduction to Ecology and Behaviour 15h lecture</u> | 2010 |
| • <u>EEB 100L – Introduction to Ecology and Behaviour – Laboratory 20h practical</u> | 2010 |
| • <u>Seminar on Quantitative Genetics 4h lecture</u> | |

Université de Sherbrooke, Sherbrooke, Qc, Canada

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| • <u>BIO300 - Biostatistiques assistées par ordinateur 25h lecture, 20h practical</u> | 2009 |
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Associate Editor

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| BMC Zoology | Since 2015 |
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Reviewer

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| More than 80 manuscripts in 36 different journals | Since 2008 |
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PUBLICATIONS IN PEER-REVIEWED JOURNALS

28. Blumstein, D.T., Williams, D.M., Lim, A.N., *Kroeger, S. & **Martin, J.G.A.** 2018. Strong social relationships are associated with decreased longevity in a facultatively social mammal. *Proceedings of the Royal Society B: Biological Sciences*, 285, 20171934
27. *Kroeger, S.B., Blumstein, D.T., Armitage, K.B., Reid, J.M. & **Martin, J.G.A.** 2018. Age, state, environment, and season dependence of senescence in body mass. *Ecol. Evol.*, 0, 1–12

26. Bize, P., Daniel, G, Viblanc, V.A., **Martin, J.G.A.** & Doligez B. 2017. Negative phenotypic and genetic correlation between natal dispersal propensity and nest defence behaviour in a wild bird. *Biology Letters*. 13(7):10.1098/rsbl.2017.0236.
25. **Martin, J.G.A.**, Pirotta, E., Petelle, M. & Blumstein, D.T. 2017. Genetic basis of between- and within-individual variance of docility. *Journal of Evolutionary Biology*. 30(4):796-805.
24. *Petelle, M., **Martin, J.G.A.** & Blumstein, D.T. 2015. Heritability and genetic correlations of personality traits in a wild population of yellow-bellied marmots (*Marmota flaviventris*). *Journal of Evolutionary Biology*. 28(10):1840-1848.
23. *Maldonado-Chaparro, A., **Martin, J.G.A.**, Oli, M., Armitage, K. & Blumstein, D.T. 2015. Environmentally induced phenotypic variation in wild yellow-bellied marmots. *Journal of Mammalogy*. 96(2):269-278.
22. **Martin, J.G.A.**, *Petelle, M. & Blumstein, D. 2014 Do it if you can: environmental, social, morphological and behavioural constraints on opportunistic multiple paternity in yellow-bellied marmots. *Behavioural Ecology and Sociobiology*. 68(9):1531-1538.
21. *Fouqueray, T.D., Blumstein, D.T., Monclús, R. & **Martin, J.G.A.** 2014. Maternal effects on anogenital distance in a wild marmot population. *PLOS ONE*.
20. *Petelle, M., McCoy, D., Alejandro, V., **Martin, J.G.A.** & Blumstein, D. 2013 Ontogeny of personality traits in yellow-bellied marmots. *Animal behavior*. 86(6):1147-1154.
19. Blumstein, D., *Nguyen, K. & **Martin, J.G.A.** 2013. Ontogenetic variation of heritability and maternal effects in yellow-bellied marmot alarm calls. *Proceedings of Royal Society B: Biological Sciences*. 280(1758):20130176. DOI:10.1098/rspb.2013.0176.
18. **Martin, J.G.A.** , Côté, S, Festa-Bianchet, M & Blumstein, D. 2013 Detecting individual differences in wild mammal hind foot lengths. *Canadian Journal of Zoology*. 91(3):118-123.
17. Poissant, J., Réale, D, **Martin, J.G.A.**, Festa-Bianchet, M & Coltman, D. 2013. A quantitative trait locus analysis of personality in wild bighorn sheep. *Ecology and Evolution*. DOI: 10.1002/ece3.468.
16. Rieucou, G., Blanchard, P., **Martin, J.G.A.**, Favreau, F.-R., Goldizen, A.W. and Pays, O. 2012. Investigating Differences in Vigilance Tactic Use within and between the Sexes in Eastern Grey Kangaroos. *PLOS ONE*, 7(9): e44801.
15. **Martin, J.G.A.** & Festa-Bianchet, M. 2012. Determinants and consequences of age of primiparity in bighorn ewes. *Oikos*, 121:752-760.
14. **Martin, J.G.A.** & Festa-Bianchet, M. 2011. Age-independent and age-dependent decreases in reproduction of females. *Ecology Letters*, 14:576-581.
13. **Martin, J.G.A.** & Pelletier, F. 2011. Measuring growth pattern in the field: Effects of sampling regime and methods on standardized estimates. *Canadian Journal of Zoology*, 89:529-537.
12. **Martin, J.G.A.**, Nussey, D, Wilson, A & Réale, D. 2011. Measuring individual differences in reaction norms in field and experimental studies: a power analysis of random regression models. *Methods in Ecology and Evolution*, 2:362-374.

11. **Martin, J.G.A.** & Festa-Bianchet, M. 2011. Sex ratio bias and reproductive strategy: what sex to produce when? *Ecology*, 92:441–449
10. Lea, A.J., Blumstein, D.T., Wey T.W. & **Martin, J.G.A.** 2010. The quantitative genetics of social behavior: receiving, but not initiating, aggression is heritable. *Proceedings of the National Academy of Sciences of the United States of America*, 107:21587-21592.
9. **Martin, J.G.A.** & Festa-Bianchet, M. 2010. Bighorn ewes transfer the costs of reproduction to their lambs. *American Naturalist*, 176: 414-423.
8. **Martin, J.G.A.** & Festa-Bianchet, M. 2010. Environmental and genetic effects on population dynamics of bighorn sheep. In Alberta Conservation Association. ACA Grants in Biodiversity Biennial Report 2010/2011. Edmonton(AB): ACA Grants in Biodiversity; 2011, p.23.
7. Blumstein, D.T., Lea, A.J., Olson, L.E. & **Martin, J.G.A.** 2010. Heritability of anti-predatory traits: vigilance and running speed in marmots. *Journal of Evolutionary Biology*, 23: 879-887
6. Réale, D., **Martin, J.G.A.**, Coltman, D.W., Poissant, J. & Festa-Bianchet, M. 2009. Male personality, life-history strategies and reproductive success in a promiscuous mammal. *Journal of Evolutionary Biology*, 22: 1599-1607.
5. *Favre, M., **Martin, J.G.A.** & Festa-Bianchet, M. 2008. Determinants and life-history consequences of social dominance in bighorn ewes. *Animal Behaviour*. 76: 1373-1380.
4. *Feder, C., **Martin, J.G.A.**, Festa-Bianchet, M., Bérubé, C. & Jorgenson, J. 2008. Never too late? Consequences of late birthdate for mass and survival of bighorn lambs. *Oecologia*, 156: 773-781.
3. Rieucou, G. & **Martin, J.G.A.** 2008. Many eyes or many ewes: vigilance tactics in female bighorn sheep (*Ovis canadensis*) vary according to reproductive status. *Oikos*, 117: 501-506.
2. **Martin, J.G.A.** & Réale, D. 2008 Animal temperament and human disturbance; implications for the response of wildlife to tourism. *Behavioural Processes*, 77: 66-72.
1. **Martin, J.G.A.** & Réale, D. 2008. Temperament, risk assessment and habituation to novelty in Eastern chipmunks, *Tamias striatus*. *Animal Behaviour*, 75: 309-318.

*students mentored

SUBMITTED MANUSCRIPTS

9. Lehto Hurlimann, M., **Martin, JG.A.** & Bize, P. *Invited for resubmission*. Heritability and genetic correlation of non-shivering thermogenesis with body mass and resting metabolic rate in a wild-derived rodent *Journal of Evolutionary Biology*.
8. Lehto Hurlimann, M., **Martin, JG.A.** & Bize, P. *Submitted*. Evidence of phenotypic convergence between exploration activity and resting metabolic rate across an elevation gradient, without covariation at the individual level, in a small rodent species. *Behavioural Ecology and Sociobiology*
7. *Kroeger, S., Armitage, K.B., Reid, J., Blumstein, D.T. & **Martin, JG.A.** *Submitted*. Transgenerational long-term effects of maternal chronological and biological age on female

reproductive success. *Proceedings of the National Academy of Sciences of the United States of America*.

6. Froy, H., **Martin, J.G.A.**, Walling, K., Clutton-Brock, T, Pemberton, J.M. & Kruuk, L.E.B. *Submitted*. Consistent within-individual plasticity is sufficient to explain temperature responses in red deer reproductive traits. *Journal of Evolutionary Biology*.
5. *Kroeger, S., Armitage, K.B., Reid, J., Blumstein, D.T. & **Martin, J.G.A.** *Submitted*. Cumulative reproductive costs on current reproduction in a wild polytocous mammal. *American Naturalist*.
4. Boswell, K., Kimball, M., Rieucan, G., **Martin, J.G.A.**, Dale, J. & Allen D. *Resubmitted*. Periodic asynchrony in predator and prey fish density in an estuarine highway is mediated by tidal phase. *Marine Ecology*.
3. **Martin, J.G.A.**, Armitage, K.B. & Blumstein, D.T. *Submitted*. Environmentally-driven changes in body mass uncoupled from demographic and selection responses. *Ecology Letters*.
2. *Petelle, M., **Martin, J.G.A.** & Blumstein, D.T. *In revision*. Maintenance of personality traits in a wild mammal population. *Behavioural Ecology*.
1. **Martin, J.G.A.**, Lea, A.J., Blumstein, D.T. & Olson, L.E. *In revision*. Evolutionary potential of growth-related traits in a changing alpine environment. *PLoS-ONE*.

*students mentored

SCIENTIFIC CONFERENCES & INVITED SEMINARS

Invited seminars

13. 2017. University of Liverpool, Liverpool, United Kingdom.
12. 2017. University of Quebec in Montreal, Montreal, Canada.
11. 2017. University College Dublin, Dublin, Ireland.
10. 2017. University, Neuchatel, Switzerland
9. 2016. Glasgow University, Glasgow, United-Kingdom.
8. 2014. Sheffield University, Sheffield, United-Kingdom.
7. 2014. Max-Planck Institute for Ornithology, Seewiesen, Germany.
6. 2013. IBES research day, University of Aberdeen, Aberdeen, Scotland, United-Kingdom.
5. 2013. Lighthouse field Station, University of Aberdeen, Aberdeen, United-Kingdom.
4. 2013. School of Biological Sciences, University of Aberdeen, Aberdeen, Scotland, United-Kingdom.
3. 2011. Department of Biology, University of Ottawa, Ottawa, Ontario, Canada.
2. 2011. Department of Ecology and Evolutionary Biology, University of California - Los Angeles, Los Angeles, California, United-States.

1. 2010. Department of Biology, University of Purdue, West Lafayette, Indiana, United-States.

Conferences

33. *Kroeger, S. B., Blumstein, D.T., Armitage, K.B., Reid, J.M. & **Martin, J.G.A.** 2017. Transgenerational effect of mother age at birth on senescence patterns. Oral communication presented at the Scottish Ecology, Environment and Conservation Conference (SEEC), Aberdeen, United Kingdom.
32. *Kroeger, S. B., Blumstein, D.T., Armitage, K.B., Reid, J.M. & **Martin, J.G.A.** 2017. Mothers' age and state at birth affect reproductive trajectories of their daughters. Oral communication presented at the Scottish Ecology, Environment and Conservation Conference (SEEC), Aberdeen, United Kingdom.
31. *Kroeger, S. B., Blumstein, D.T., Armitage, K.B., Reid, J.M. & **Martin, J.G.A.** 2017. Mothers' age and state at birth affect reproductive trajectories of their daughters. Oral communication presented at the Mammal Society Spring Conference, Cambridge, United Kingdom.
30. *Kroeger, S., Blumstein, D.T., **Martin, J.G.A.** 2016. Senescence and cumulative cost of reproduction in marmots. Oral communication presented at the annual meeting of the British Ecological Society (BES), Liverpool, United-Kingdom. Best student presentation award
29. Wade, H.M., **Martin, J.G.A.**, Williamson, B.J., Chimienti, M., Williamson, L.D., Wilson, J. & Scott, B.E. 2016. Flying over rivers in the sea: understanding why seabirds forage in energetically demanding tidal races. Oral communication presented at the 13th International Seabird Group Conference, Edinburgh, United-Kingdom.
28. **Martin, J.G.A.**, Pirotta, E., Petelle, M. & Blumstein, D.T. 2016. Genetic basis of between- and within-individual variance of docility. Oral communication presented at the 16th congress of the International Society for Behavioral Ecology (ISBE), Exeter, United-Kingdom.
27. **Martin, J.G.A.** 2016. Between and within individual variation of behaviours in the wild. *Invited Plenary talk* at the Scottish Animal Behaviour Conference (SCAB), Stirling, United-Kingdom.
26. *Kroeger, S. B., Blumstein, D.T., Armitage, K.B., Reid, J.M. & **Martin, J.G.A.** 2015. Sex and environmental differences in age-dependent and state-dependent senescence of body mass. Oral communication presented at the European Meeting of PhD Students in Evolutionary Biology (EMPSEB), Stirling, United Kingdom.
25. **Martin, J.G.A.**, Pirotta, E., Petelle, M. & Blumstein, D.T. 2015. Genetic basis of between- and within-individual variance of docility Oral communication presented at the annual meeting of the British Ecological Society (BES), Edinburgh, United-Kingdom.
24. *Kroeger, S. Armitage, K., Blumstein, D.T., Reid, J. & **Martin, J.G.A.** 2015. Sex and environmental differences in age-dependent and state-dependent senescence of body mass. Oral communication presented at the annual meeting of the British Ecological Society (BES), Edinburgh, United-Kingdom. Commendation for best presentation
23. *Kroeger, S. Armitage, K., Blumstein, D.T., Reid, J. & **Martin, J.G.A.** 2015. Sex and environmental differences in age-dependent and state-dependent senescence of body mass.

- Poster presented at the annual meeting of the Scottish National Heritage (SNH), Edinburgh, United-Kingdom. Awarded best poster.
22. Schick, R.S., Hewitt, R.C., Rodwell, S., Anderson, P., **Martin, J.G.A.**, Kearns M, Thompson P. 2015. Using UAVs to Monitor Size Structure and Body Condition in Harbour Seals. Oral communication presented at the Unmanned Aerial Vehicles (UAVs) in Environmental Research conference, Liverpool, United-Kingdom.
 21. **Martin, J.G.A.** 2014. Environmental changes effects on body mass and fitness. Oral communication presented at the Wild Animal Model Biennial Meeting (WAMBAM), Kindrogan Field Station, Pitlochry, United-Kingdom.
 20. **Martin, J.G.A.** 2014. How to fit age in an ecological study of ageing? Oral communication presented at the annual meeting of the Scottish Ecological Ageing Research Group (SEARG), Glasgow University, Glasgow, United-Kingdom.
 19. *Petelle, M.B., **Martin, J.G.A.**, Blumstein, D. T. 2014. Maintenance of personality in yellow-bellied marmots. Oral communication presented at the 50th annual congress of the Society for Integrative and Comparative Biology, Austin, Texas, United-States.
 18. *Maldonado-Chaparro, A., **Martin, J.G.A.** Armitage, K., Madan, O. & Blumstein, D.T. 2013. Population and individual-level phenotypic plasticity to environmental and social variation in yellow-bellied marmots. Poster presented at the annual congress of the Ecological Society of America (ESA), Minneapolis, Minnesota, United-States.
 17. *Petelle, M.B., *McCoy, D.E., *Alejandro, V., **Martin, J.G.A.**, Blumstein, D. T. 2013. Development of personality: boldness and docility in yellow-bellied marmots. Oral communication presented at the 50th annual congress of the Animal Behaviour Society (ABS), Boulder, Colorado, United-States.
 16. *Maldonado-Chaparro, A., **Martin, J.G.A.** Armitage, K., Madan, O. & Blumstein, D.T. 2012. Population and individual-level phenotypic plasticity to environmental and social variation in yellow-bellied marmots. Poster presented at the 49th annual congress of the Animal Behaviour Society (ABS), Albuquerque, New-Mexico, United-States.
 15. **Martin, J.G.A.** 2012. Individual variation and its evolutionary and population dynamics consequences. Invited seminar, Grad Seminar series, Rocky Mountain Biological Laboratory, Gothic, Colorado, United-States.
 14. Maldonado-Chaparro, A., Smith, J.E., Strelhoff, C.C., **Martin, J.G.A** & Blumstein, D.T. 2012. Plasticity responses of social network measures of yellow-bellied marmots (*Marmota flaviventris*). Oral communication presented at The Sunbelt XXXII: The Annual Meeting of the International Network for Social Network Analysis, Redondo Beach, California, United-States.
 13. **Martin, J.G.A.** 2011. Reproductive strategies of bighorn sheep ewes. Invited seminar, Grad Seminar series, Rocky Mountain Biological Laboratory, Gothic, Colorado, United-States.
 12. **Martin, J.G.A.** & Festa-Bianchet, M. 2010. Old but not terminal: senescence in bighorn ewes varies with longevity, reduces reproductive effort and affects lamb sex ratio. Oral communication presented at the 13th International Behavioral Ecology Congress, Perth, Australia.

11. **Martin, J.G.A.**, Nussey, D., Wilson A. & Réale, D. 2009. Measuring individual differences in reaction norms in field and experimental studies: a power analysis of random regression models. Oral communication presented at the winter meeting of the Association for the Study of Animal Behaviour, London, UK.
10. **Martin, J.G.A.**, Nussey, D., Wilson A. & Réale, D. 2009. Measuring individual differences in reaction norms in field and experimental studies: a power analysis of random regression models. Oral communication presented at the 3rd Wild Animal Model Biennial Meeting (WAMBAM), Degioz, Italy.
9. **Martin, J.G.A.** & Festa-Bianchet, M. 2009. Sex ratio bias and reproductive strategies: what sex to produce when? Oral communication presented at the 34th annual congress of the Society for the behavioural study of behaviour (SQEBC), Trois-Rivières, Quebec, Canada.
8. **Martin, J.G.A.** & Festa-Bianchet. 2009. Who pays now? Genetically selfish mothers make offspring pay in a species with a conservative reproductive strategy. Poster presented at the 12th congress of the European Society for Evolutionary Biology (ESEB), Turin, Italy.
7. **Martin, J.G.A.** & Festa-Bianchet, M. 2008. Stratégie conservatrice et variation individuelle en Alberta ou l'effort de reproduction des femelles mouflons. Oral communication presented at the 33th annual congress of the Society for the behavioural study of behaviour (SQEBC), Rimouski, Quebec, Canada.
6. Réale, D. & **Martin, J.G.A.** 2007 Docile and bold bighorn rams trade early reproductive success for longer life and late reproductive success. Oral communication presented at the 44th annual congress of the Animal Behaviour Society (ABS), Burlington, Vermont, United-States.
5. **Martin, J.G.A.** & Festa-Bianchet, M. 2006. Variations dans la date de parturition des femelles mouflons (*Ovis canadensis*). Oral communication presented at the 31th annual congress of the Society for the behavioural study of behaviour (SQEBC), Montreal, Quebec, Canada.
4. **Martin, J.G.A.** & Réale, D. 2006. Animal Temperament in a wild population: Evidence and Implications. Poster presented at the 1st congress of the Canadian Society of Ecology and Evolution (CSEE), Montreal, Quebec, Canada.
3. **Martin, J.G.A.** & Réale, D. 2005. Tempérament et syndromes comportementaux dans un hole-board: une étude dans une population naturelle de *Tamias rayés*, *Tamias striatus*. Oral communication presented at the 30th annual congress of the Society for the behavioural study of behaviour (SQEBC), Montreal, Quebec, Canada.
2. Réale, D. **Martin, J.G.A.** & Gallant, B. 2005. Plasticité comportementale : illimitée ou contrainte? Profils individuels de vigilance et fitness dans un monde de prédateurs. Oral communication presented at the 30th annual congress of the Society for the behavioural study of behaviour (SQEBC), Montreal, Quebec, Canada.
1. **Martin, J.G.A.** & Réale, D. 2004. Mise en évidence de syndromes comportementaux dans une population naturelle de *Tamias rayés*, *Tamias striatus*. Oral communication presented at the 29th annual congress of the Society for the behavioural study of behaviour (SQEBC), Sherbrooke, Quebec, Canada.

R PACKAGES

2. “**marmotdata**” a R data package including all the long-term data on the RMBL yellow-bellied marmots. Available on demand for collaborations. Information available on the [marmotdata wiki](https://bitbucket.org/JgaMartin/marmotdata/wiki/Home) (<https://bitbucket.org/JgaMartin/marmotdata/wiki/Home>)
1. “**pamm**” a package for Power Analysis for random effects in Mixed Models. Available on CRAN: <http://cran.r-project.org/web/packages/pamm>

BOOK CHAPTER

2. **Martin, J.G.A.** & Bize, P. 2018. Life-History. *In* Encyclopedia of Animal Cognition and Behaviour. *Edited by* Vonk, J. & Shackelford, T.K.. Springer, New-York.
1. **Martin, J.G.A.** 2006. Qui dort dîne? *In* L'écologie en ville : 25 leçons d'écologie. *Edited by* Giraldeau, L.A, Beisner, B. and Messier, C. Fides, Montréal.

SOCIETY MEMBERSHIPS

European Society for Evolutionary Biology (ESEB)
Animal Behaviour Society (ABS)
British Ecological Society (BES)
International Society for Behavioural Ecology
Aberdeen study group (Executive committee)
Centre for Open Science (COS) Ambassador

STUDENTS

PhD (2 current, 2 graduated)

- Matthew Petelle* (UCLA, USA) graduated in 2014. Personality in yellow-bellied marmots
- Svenja Kroeger (University of Aberdeen,UK) Graduated in 2017. Age-dependent and age-independent senescence in yellow-bellied marmots.
- Sol Milne(University of Aberdeen,UK) Started in October 2016. Covariation between biodiversity and carbon content in South-East Asia.
- Alexandra Jebb (University of Aberdeen, UK) Started in September 2017. Metabolism programming and environmental variation.

Msc projects (12)

- 2017-2018
 - Bethany Stonier. Great skua and planes conflict on Fair Isle a mitigation approach.
 - Gina Lusardi. Photogrammetry of harbour seals using UAV imaging
 - Philippa Darbyshirejenkins. Microhabitat selection at haul-out sites by harbour seals

- Natalie Ward. Seasonal variation in population size and structure in Grey seals.
- 2016-2017
 - Ailsa Kerr Assessing pregnancy rate and body condition of seals and dolphins using aerial imaging from UAVs .University of Aberdeen, UK.
 - Harriet Cole Microhabitat selection at haul-out sites in harbour seals .University of Aberdeen, UK.
 - Andrew Taylor. Impact of laser fences on wildlife movements .University of Aberdeen, UK.
 - Faye Parker Human disturbance of seals at Mousa SAC, Shetland, haul-out site. University of Aberdeen, UK.
- 2015-2016
 - Emily Hague Assessing pregnancy rate and body condition of seals and dolphins using aerial imaging from UAVs .University of Aberdeen, UK.
 - Jude Kieran Fielding Assessing wood volume from UAVs aerial imaging in disturbed forest plantations. University of Aberdeen, UK.
- 2014-2015
 - Luke Venter (University of Aberdeen, UK) 2015. Using UAVs to evaluate windblown wood lost in forest.
- 2012-2013
 - *Timothée Fouqueray (ENS Lyon, France) Maternal effects and litter composition in yellow-bellied marmots.

Hons students (8)

- 2017-2018
 - Mairi Young. Behavioural response to human disturbance in grey seals at haul-out sites. University of Aberdeen, UK.
 - Benjamin Wilcock. Docility in fulmars and reproductive success. University of Aberdeen, UK.
- 2016-2017
 - Kirsty Orr. Estimating docility in wild fulmars at capture. University of Aberdeen, UK.
 - Stephen Tapping Estimating grey seals spatial dynamic at haul-out site using UAVs aerial imaging. University of Aberdeen, UK.
- 2015-2016
 - Halpin Jack (University of Aberdeen, UK) Estimating personality in fulmars.
 - Meldrum Ryan (University of Aberdeen, UK) Using UAVs to estimate spatial and social structure in harbour seals.

- Robertson Isla (University of Aberdeen, UK) Disturbance of harbour seals when using UAVs.
- 2012-2013
 - *Nguyen Kathy (UCLA, USA) Ontogeny of alarm calls in yellow-bellied marmots

*articles published

CURRENT RESEARCH & COLLABORATORS

Life history trade-off and evolution

- Environmental changes and trade-off evolution
 - Pr Dan Blumstein (University of California, Los Angeles, Los angeles, Ca, USA).
 - Dr Pierre Bize (University of Aberdeen, Aberdeen, UK)
- Genetic variance of environmental variation in the wild
 - Pr Marco Festa-Bianchet (Université de Sherbrooke, Sherbooke, Qc, Canada).
 - Pr Dan Blumstein (University of California, Los Angeles, Los angeles, Ca, USA).
 - Dr Pierre Bize (University of Aberdeen, Aberdeen, UK)
- Estimation of body condition, pregnancy and reproductive investment in seals using aerial imaging from UAVs
 - Pr Paul Thompson (University of Aberdeen, Aberdeen, UK)
- Terminal investment evolution and its constraints on life-histories
 - Dr Alexander Bradley Duthie (University of Aberdeen, Aberdeen, UK)

Behavioural ecology

- Predator-prey interactions using remote sensing approaches (high definition sonar and aerial imaging from UAVs)
 - Dr Guillaume Rieucan (Florida International University, Miami, FL, USA)
 - Pr Kevin Boswell (Florida International University, Miami, FL, USA)
- Social and spatial use of haul-out sites in harbour seals using UAVs
 - Pr Paul Thompson (University of Aberdeen, Aberdeen, UK)
- Personality at nest and foraging strategy at sea in a long-lived sea bird.
 - Pr Paul Thompson (University of Aberdeen, Aberdeen, UK).
- Assessing seabird abundance and behaviour in high energetic tidal zone using aerial imaging from UAVs.
 - Pr Beth Scott (University of Aberdeen, Aberdeen, UK)
 - Dr Benjamin Williamson (University of Aberdeen, Aberdeen, UK)
 - Dr Helen Wade (Marine Scotland, Aberdeen, UK)

Statistical methods

- The problem of random regression and within-individual centering approach. A simulation based study
 - Pr Loeske Kruuk (Australian National University, Canberra, Australia)
 - Pr Daniel Nussey (University of Edinburgh, Edinburgh, UK)
- Power analyses of double hierarchical generalized linear model (DHGLM) and their applications in ecology

REFERENCES

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