

Department of Anthropology
University of Wisconsin–Madison

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FORMAL EDUCATION

2007 – 2011	Psychology PhD	School of Psychology, University of Lincoln, UK. Thesis: <i>The management of social relationships in wild Barbary macaques.</i>
2006 – 2007	Primatology MRes	School of Anthropology, University of Roehampton, UK. Thesis: <i>Stress and sociality in male rhesus macaques.</i>
2002 – 2005	Biology BSc	School of Biosciences, Cardiff University, UK.

POSITIONS HELD

2018 –	Affiliate Faculty	Department of Integrative Biology, University of Wisconsin–Madison, USA.
2016 –	Affiliate Faculty	African Studies, University of Wisconsin–Madison, USA.
2014 –	Senior Honorary Research Fellow	School of Physiology, University of the Witwatersrand, South Africa.
2014 –	Assistant Professor (tenure-track)	Department of Anthropology, University of Wisconsin–Madison, USA.
2012 – 2014	Postdoctoral Research Fellow	School of Physiology, University of the Witwatersrand, South Africa.
2010 – 2011	Part-time Lecturer	School of Psychology, University of Lincoln, UK.

RESEARCH

My research combines behavioral, ecological, hormonal, and body temperature data to investigate individual, population and species differences in physiological competence, particularly in relation to the consequences of sociability. My primary research focuses on vervet monkeys and chacma baboons in South Africa. These are ideal model organisms for my research because they are obligatorily social, experience a wide temperature range in extreme environments, and manifest a range of specialized social and thermoregulatory adaptations.

PUBLICATIONS

Journal Articles * peer-reviewed, † prior to tenure-track appointment.

21. * Balasubramaniam KN, Beisner BA, Berman CM, De Marco A, Duboscq J, Koirala S, Majolo B, MacIntosh AJ, McFarland, R, Molesti, S, Ogawa H, Petit O, Schino G, Sosa S, Sueur C, Thierry B, de Waal FBM & McCowan B. 2018. The influence of phylogeny, social style, and sociodemographic factors on variation in macaque social networks. **American Journal of Primatology** 80: e22727.
20. * Young C, Ganswindt A, McFarland R, de Villiers C, van Heerden J, Ganswindt S, Barrett L & Henzi SP. 2017. Faecal glucocorticoid metabolite monitoring as a measure of physiological stress in captive and wild vervet monkeys. **General and Comparative Endocrinology** 253: 53–59.
19. * McFarland R, Murphy D, Lusseau D, Henzi SP, Parker JL, Pollet TV & Barrett L. 2017. The ‘strength of weak ties’ among female baboons: fitness-related benefits of social bonds. **Animal Behaviour** 126: 101-106.
18. * Young C, McFarland R, Barrett L & Henzi SP. 2017. Formidable females and the power trajectories of socially integrated male vervet monkeys. **Animal Behaviour** 125: 61-67.
17. * Henzi SP, Hetem R, Fuller A, Maloney SK, Young C, Mitchell D, Barrett L & McFarland R. 2017. Consequences of sex-specific sociability for thermoregulation in male vervet monkeys during winter. **Journal of Zoology** 302: 193-200.
16. * McFarland R, Henzi SP, Barrett L, Wanigaratne A, Coetzee E, Fuller A, Hetem RS, Mitchell D & Maloney SK. 2016. Thermal consequences of increased pelt loft infer an additional utilitarian function for grooming. **American Journal of Primatology** 78: 456-461.
15. * Lehmann J, Majolo B & McFarland R. 2016. The effects of social network position on the survival of wild Barbary macaques, *Macaca sylvanus*. **Behavioral Ecology** 27: 20-28.
14. * McFarland R, Fuller A, Hetem RS, Mitchell D, Maloney SK, Henzi SP & Barrett L. 2015. Social integration confers thermal benefits in a gregarious primate. **Journal of Animal Ecology** 84: 871-878.
13. * Lubbe A, Hetem RS, McFarland R, Barrett L, Henzi SP, Mitchell D, Meyer LCR, Maloney SK & Fuller A. 2014. Thermoregulatory plasticity in free-ranging vervet monkeys, *Chlorocebus pygerythrus*. **Journal of Comparative Physiology B** 184: 799-809.
12. * McFarland R, Barrett L, Boner R, Freeman NJ & Henzi SP. 2014. Behavioral flexibility of vervet monkeys in response to climatic and social variability. **American Journal of Physical Anthropology** 154: 357-364.
11. * † McFarland R & Majolo B. 2013. Coping with the cold: Predictors of survival in wild Barbary macaques, *Macaca sylvanus*. **Biology Letters** 9: 20130428.
10. * † McFarland R, MacLarnon A, Heistermann M & Semple S. 2013. Physiological stress hormone levels and mating behaviour are negatively correlated in male rhesus macaques (*Macaca mulatta*). **Animal Biology** 63: 331-341.
9. * † Majolo B, McFarland R, Young C & Qarro M. 2013. The effect of climatic factors on the activity budgets of a temperate primate, the Barbary macaque (*Macaca sylvanus*). **International Journal of Primatology** 34: 500-514.
8. * † McFarland R, Hetem R, Fuller A, Mitchell D, Henzi SP & Barrett L. 2013. Assessing the reliability of biollogger techniques to measure activity in a free-ranging primate. **Animal Behaviour** 85: 861-866.
7. * † McFarland R, Roebuck H, Yan Y, Majolo B, Li W & Guo K. 2013. Social interactions through the eyes of macaques and humans. **PLoS ONE** 8(2): e56437.
6. * † McFarland R & Majolo B. 2013. The importance of considering the behavioural form of reconciliation in studies of conflict resolution. **International Journal of Primatology** 34: 15-29.
5. * † McFarland R & Majolo B. 2012. The occurrence and benefits of post-conflict bystander affiliation in wild Barbary macaques (*Macaca sylvanus*). **Animal Behaviour** 84: 583-591.
4. * † McFarland R & Majolo B. 2011. Exploring the components, asymmetry and distribution of relationship quality in wild Barbary macaques (*Macaca sylvanus*). **PLoS ONE** 6(12): e28826.
3. * † McFarland R & Majolo B. 2011. Reconciliation and the costs of aggression in wild Barbary macaques (*Macaca sylvanus*): a test of the integrated hypothesis. **Ethology** 117: 928-937.
2. * † McFarland R & Majolo B. 2011. Grooming coercion and the post-conflict trading of social services in wild Barbary macaques. **PLoS ONE** 6(10): e26893.

1. * † Majolo B & McFarland R. 2009. Self-suckling in Barbary macaque (*Macaca sylvanus*) mothers before and after the death of their infant. **American Journal of Physical Anthropology** 140: 381-383.

Book Chapters & Encyclopedia Entries * peer-reviewed, † prior to tenure-track appointment.

4. * McFarland R. *Social grooming*. In: Encyclopedia of Animal Cognition and Behavior, J Vonk & TK Shackelford (ed). Springer (in press).
3. * McFarland R. *Grooming*. In: Encyclopedia of Animal Cognition and Behavior, J Vonk & TK Shackelford (ed). Springer (in press).
2. * McFarland R, Henzi SP & Barrett L. *The social and thermal competence of wild vervet monkeys*. In: The Genus *Chlorocebus*, Trudy Turner (ed). Cambridge University Press, UK (in press).
1. * McFarland R. 2018. *Grooming*. In: The International Encyclopedia of Biological Anthropology, W Trevathan (ed). John Wiley and Sons, Inc. (in press).

Conference Proceedings * peer-reviewed, † prior to tenure-track appointment.

7. * McFarland R, Barrett L, Fuller A, Henzi SP, Maloney SK, Mitchell D, Young C & Hetem RS. 2017. Feverish monkeys get kicked when they're down. AAPA, New Orleans, USA. **American Journal of Physical Anthropology** 162: 282.
6. * McFarland R, Henzi SP, Barrett L, Fuller A, Hetem RS, Mitchell D & Maloney SK. 2016. Thermal benefits of grooming in primates. AAPA, Atlanta, USA. **American Journal of Physical Anthropology** 159: 225.
5. * Young C, McFarland R, Barrett L & Henzi SP. 2015. The power behind the throne: female influence on male dominance hierarchies in vervet monkeys. EFP, Rome, Italy. **Folia Primatologica** 86: 385.
4. * McFarland R, Fuller A, Hetem RS, Mitchell D, Henzi SP & Barrett L. 2014. Behavioural and physiological flexibility in vervet monkeys: potential adaptive responses to changing climates. AAPA, Calgary, Canada. **American Journal of Physical Anthropology** 153: 181.
3. * † McFarland R & Majolo B. 2011. The function of bystander affiliation in wild Barbary macaques (*Macaca sylvanus*). EFP, Almada, Portugal. **Folia Primatologica** 82: 330.
2. * † McFarland R & Majolo B. 2011. Repairing relations or reaping rewards? The differential benefits of reconciliation in wild Barbary macaques (*Macaca sylvanus*). PSGB, Liverpool, UK. **Primate Eye** 104: 16.
1. * † McFarland R, MacLarnon A & Semple S. 2007. Stress and sociality in male rhesus macaques (*Macaca mulatta*). PSGB, London, UK. **Primate Eye** 98: 18.

Select Media Coverage † prior to tenure-track appointment.

6. 2017 World Science Festival.
5. 2016 Science: A surprising side effect of monkey grooming.
4. 2015 BBC Discover Wildlife: Monkeys get by with help from their friends.
3. 2015 National Geographic: Monkeys with better social networks stay warmer in the winter.
2. † 2013 Nature & Scientific American: Buddies help monkeys survive tough times.
1. † 2009 BBC Earth News: Grieving monkeys drink own milk.

RESEARCH SUPPORT

Awards

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2017 – 2019 Vilas Early Career Investigator Award, UW–Madison, USA. 50,000

Grants all as PI unless otherwise stated. † prior to tenure-track appointment.

2017 University Lectures Knapp Fund, UW–Madison, USA. 1,370
 2015 Domestic Conference Travel Grant, WARF, UW–Madison, USA. 1,000

2015	University Lectures Knapp Fund, UW–Madison, USA.	1, 440
2015	Instructional Laboratory Modernisation Grant, L&S, UW–Madison, USA.	65, 500
2014 – 2017	Research Grant, SA National Research Foundation, SA (PI: Henzi).	150, 000
2014 +	Conference Grant, Claude-Leon Foundation, SA.	1, 800
2013 – 2014 +	Postdoctoral Fellowship, Claude-Leon Foundation, SA.	50, 000
2013 – 2014 +	Research Grant, Association for the Study of Animal Behaviour, UK.	5, 000
2012 – 2014 +	Faculty Research Grants, University of the Witwatersrand, SA.	7, 400
2012 +	Postdoctoral Fellowship, University of the Witwatersrand, SA.	26, 000
2010 +	Faculty Research Grant, University of Lincoln, UK.	4, 000
2007 – 2010 +	PhD Studentship, University of Lincoln, UK.	65, 000
2007 +	Small Research Grant, Primate Society of Great Britain, UK.	700

LIST OF PRESENTATIONS

Conferences * peer-reviewed, † prior to tenure-track appointment.

17. * Fuller A, Hetem RS, Loveridge AJ, MacDonald DW, McFarland R, Mitchell D & Maloney SK. 2017. What body temperature patterns reveals about the functioning of large free-living animals. International Mammalogical Conference, Perth, Australia.
16. * McFarland R, Barrett L, Fuller A, Henzi SP, Maloney SK, Mitchell D, Young C & Hetem RS. 2017. Feverish monkeys get kicked when they're down. AAPA, New Orleans, USA.
15. * McFarland R, Henzi SP, Barrett L, Fuller A, Hetem RS, Mitchell D & Maloney SK. 2016. Thermal benefits of grooming in primates. AAPA, Atlanta, USA.
14. * Dostie MJ, McFarland R, Bonnell TR, Young C, Stokes R, Barrett L & Henzi SP. 2016. Spatial dynamics of intertroop encounters in vervet monkeys (*Chlorocebus pygerythrus*), Samara Game Reserve, South Africa. ASP/IPS, Chicago, USA.
13. * Young C, McFarland R, Barrett L & Henzi SP. 2016. Behind every successful male: Female influence on male dominance hierarchies in vervet monkeys. ASP/IPS, Chicago, USA.
12. * Hetem RS, McFarland R, Duncan Mitchell, Maloney SK, Henzi SP, Barrett L, Young C & Fuller A. 2016. Male monkeys get kicked when they're down. SEB, Brighton, UK.
11. * Young C, McFarland R, Barrett L & Henzi SP. 2015. The power behind the throne: female influence on male dominance hierarchies in vervet monkeys. EFP, Rome, Italy.
10. * McFarland R, Fuller A, Hetem RS, Mitchell D, Henzi SP & Barrett L. 2014. Behavioural and physiological flexibility in vervet monkeys: potential adaptive responses to changing climates. AAPA, Calgary, Canada.
9. * Henzi SP, Barrett L, Fuller A, Hetem RS, Maloney SK, Mitchell D & McFarland R. 2014. Friends with benefits: sociability confers thermal benefits in a gregarious primate. PPTR, Kruger National Park, South Africa.
8. * Barrett L, McFarland R, Fuller A, Hetem RS, Mitchell D & Henzi SP. 2014. Help me make it through the night: sociability confers thermal benefits in a gregarious primate. ISBE, New York, USA.
7. * † Fuller A, Lubbe A, McFarland R, Mitchell D, Barrett L, Henzi SP & Hetem R. 2013. Heterothermy in free-living vervet monkeys as an index of environmental stress. IUPS, Birmingham, UK.
6. * † Coetsee EM, McFarland R & Henzi SP. 2013. Spectral reflectance measurements on vervet monkey pelts. CNAM, Paris, France.
5. * † Lubbe A, Hetem RS, McFarland R, Barrett L, Henzi SP, Fuller A & Mitchell D. 2012. Changes in the body temperature rhythms of vervet monkeys (*Chlorocebus pygerythrus*) in the Karoo provide an indicator of environmental stress. SAWMA, Bela-Bela, South Africa.
4. * † McFarland R & Majolo B. 2011. The function of bystander affiliation in wild Barbary macaques (*Macaca sylvanus*). EFP, Almada, Portugal.
3. * † McFarland R & Majolo B. 2011. Repairing relations or reaping rewards? The differential benefits of reconciliation in wild Barbary macaques (*Macaca sylvanus*). PSGB, Liverpool, UK.
2. * † McFarland R & Majolo B. 2010. Social Relationships and conflict management in wild Barbary macaques (*Macaca sylvanus*). NEPG, Manchester, UK.

1. * † McFarland R, MacLarnon A & Semple S. 2007. Stress and sociality in male rhesus macaques (*Macaca mulatta*). PSGB, London, UK.

Invited Guest Lectures

2018	Department of Integrative Biology, UW–Madison, USA.
2017	Department of Zoology, UW–Madison, USA.
2017	Department of Anthropology, UW–Milwaukee, USA.
2017	African Studies, UW–Madison, USA.

TEACHING

Courses [] *number of semesters taught.*

Anthro 100	General Anthropology (Biological Section) [2]
Anthro 105	Principles of Biological Anthropology [5]
Anthro 120	Freshman Interest Group: The Life of Primates [1]
Anthro 420	Introduction to Primate Research [4]
Anthro 490	Quantitative Methods in Anthropology [2]
Anthro 691	Senior Thesis [1]
Anthro 699	Directed Study [2]

Student Advisees * *completed*, † *prior to tenure-track appointment.*

2017 –	Amanda Carter, PhD Anthropology UW–Madison, USA.
2017 –	Emma Kirby, PhD Anthropology UW–Madison, USA.
2017 –	Jessica Briner, PhD Physiology, University of the Witwatersrand, SA.
2016 *	Emily Greinwald, BA Anthropology Senior Thesis, UW–Madison, USA.
2013 – 2014 *	Miranda Lucas, MSc Psychology, University of Lethbridge, Canada.
2013 * †	Anuradha Wanigaratne, BSc Honors Physiology, University of Western Australia, Australia.
2012 – 2013 * †	Alwyn Lubbe, MSc Physiology, University of the Witwatersrand, SA.

Student Committees * *completed*

2018 –	Ilianna Anise, PhD Zoology, UW–Madison, USA.
2018 –	Jacob Kraus, PhD Zoology, UW–Madison, USA.
2017 –	Rebekah Ellis, PhD Anthropology, UW–Madison, USA.
2017 –	Jeanette Uy, PhD Anthropology, UW–Madison, USA.
2017 *	Sarah Traynor, PhD Anthropology, UW–Madison, USA.
2016 –	Sarah Edlund, PhD Anthropology, UW–Madison, USA.
2014 –	Mary Dinsmore, PhD Environmental Studies, UW–Madison, USA.
2014 –	Amanda Hardie, PhD Anthropology, UW–Madison, USA.
2013 – 2014 *	Nathan Josephs, MSc Psychology, University of Lethbridge, Canada.

Postdoc Co-advisees

2014 – 2016	Young C, Postdoc, University of South Africa, SA.
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PUBLIC SERVICE

External Examiner

2014 Marcus Dostie, MSc Geography, University of Lethbridge, Canada.

UNIVERSITY SERVICE

Committee Assignments

2017 – 2018 Lectures & Colloquium (Chair); Secretary of the Faculty.
 2016 – 2017 Awards & Admissions; Curriculum, TA Policies & Procedures; Events; Lectures & Colloquium (Chair); Named Senate Alternate.
 2015 – 2016 Awards & Admissions.
 2014 – 2015 Secretary of the Faculty.

PROFESSIONAL SERVICE

Affiliations

2018 – Affiliate Faculty, Department of Integrative Biology, UW–Madison, USA.
 2016 – Affiliate Faculty, African Studies Program, UW–Madison, USA.
 2014 – Senior Honorary Research Fellow, School of Physiology, University of the Witwatersrand, South Africa.

Journal Article Reviews

2014 – 2017 45 assignments.

American Journal of Primatology; American Journal of Physical Anthropology; Animal Behaviour; Behavioral Ecology; Behavioral Ecology and Sociobiology; Behaviour; Behavioural Processes; Biology Letters; Canadian Journal of Zoology; Ethology; General and Comparative Endocrinology; Human Nature; Integrative Zoology; International Journal of Primatology; Journal of Applied Animal Welfare Science; Journal of Thermal Biology; Plosone; Primates; Proceedings of the Royal Society B; Psychoneuroendocrinology.

Book Reviews

2018 Oxford University Press, UK.
 2017 W. W. Norton & Company, USA.

Grant Reviews

2018 Apex, The Royal Society, UK.

Society Memberships **current January 2018*

American Association of Physical Anthropologists*; American Society of Primatologists; Association for the Study of Animal Behaviour; International Primatological Society; Primate Society of Great Britain.
