

Richard McFarland
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POSITIONS HELD

2020 – present	Associate Professor	Department of Anthropology, University of Wisconsin–Madison, USA.
2018 – present	Affiliate Faculty	Department of Integrative Biology, University of Wisconsin–Madison, USA.
2014 – present	Senior Honorary Research Fellow	School of Physiology, University of the Witwatersrand, South Africa.
2014 – 2020	Assistant Professor	Department of Anthropology, University of Wisconsin–Madison, USA.
2012 – 2014	Postdoctoral Research Fellow	School of Physiology, University of the Witwatersrand, South Africa.

FORMAL EDUCATION

2007 – 2011	Psychology Ph.D.	School of Psychology, University of Lincoln, UK. Thesis: <i>The management of social relationships in wild Barbary macaques.</i>
2006 – 2007	Primatology M.Res.	School of Anthropology, University of Roehampton, UK. Thesis: <i>Stress and sociality in male rhesus macaques.</i>
2002 – 2005	Biology B.Sc. (Hons)	School of Biosciences, Cardiff University, UK.

RESEARCH

My research combines behavioral, ecological, and physiological data to investigate individual, population and species differences in behavioral adaptation and physiological competence, particularly in relation to the consequences of social and climatic challenges. 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 behavioral and thermoregulatory adaptations.

PUBLICATIONS

Journal articles

25. McFarland R, Barrett L, Fuller A, Hetem RS, Maloney SK, Mitchell D & Henzi SP. 2020. Keeping cool in the heat: Behavioral thermoregulation and body temperature patterns in wild vervet monkeys. **American Journal of Physical Anthropology** 171: 407-418.
24. Young C, Bonnell TR, Brown L, Dostie MJ, Ganswindt A, Kienzle S, McFarland R, Barrett L & Henzi SP. 2019. Climate induced stress and mortality in vervet monkeys. **Royal Society Open Science**. 6(11), 191078.
23. Young C, McFarland R, Ganswindt G, Minker MM, Barrett L & Henzi SP. 2019. Male residency and dispersal triggers in a seasonal breeder with influential females. **Animal Behaviour** 154: 29-37.
22. Minkner MMI, Young C, Amici F, McFarland R, Barrett L, Grobler JP, Henzi SP & Widdig A. 2018. Assessment of male reproductive skew via highly polymorphic 1 STR markers in wild vervet monkeys, *Chlorocebus pygerythrus*. **Journal of Heredity** 109: 780-790.
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. Brief communication: 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 and Encyclopedia entries

4. McFarland R, Henzi SP & Barrett L. 2019. *The social and thermal competence of wild vervet monkeys*. In: Savannah Monkeys: The Genus *Chlorocebus*, Trudy Turner (ed). pp. 199-207. Cambridge University Press, UK.
3. McFarland R. 2019. *Social grooming*. In: Encyclopedia of Animal Cognition and Behavior, J Vonk & TK Shackelford (ed). Springer. [focus: the forms and functions of social grooming across all animal taxa].
2. McFarland R. 2019. *Grooming*. In: Encyclopedia of Animal Cognition and Behavior, J Vonk & TK Shackelford (ed). Springer. [focus: the forms and functions of grooming across all animal taxa].
1. McFarland R. 2019. *Grooming*. In: The International Encyclopedia of Biological Anthropology, W Trevathan (ed). John Wiley and Sons, Inc. [focus: the form and function of grooming and social grooming in primates].

RESEARCH SUPPORT all as principal investigator unless otherwise stated.

Awards

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2017 – 2019	Vilas Early Career Investigator Award, William F. Vilas Trust, UW–Madison, USA.	50, 000
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Grants

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2014 – 2017	Research grant, National Research Foundation, South Africa Project: <i>Climate change and the thermal competence of social endotherms</i> (as research collaborator. PI: SP Henzi).	150, 000
2013 – 2014	Research grant, Association for the Study of Animal Behaviour, UK.	5, 000
2013 – 2014	Post-Doctoral Fellowship, Claude-Leon Foundation, South Africa.	50, 000
2012 – 2014	Faculty research grants, University of the Witwatersrand, South Africa.	7, 400
2010	Department research project grant, University of Lincoln, UK.	4, 000
2007 – 2010	PhD studentship, University of Lincoln, UK.	65, 000
2007	Research grant, Primate Society of Great Britain, UK.	700

LIST OF PRESENTATIONS**Conferences** * *published abstract*

19. * McFarland R, Barrett L, Fuller A, Hetem RS, Maloney SK, Mitchell D, SP Henzi. 2019. Keeping their cool: Behavioral thermoregulation and body temperature patterns of wild vervet monkeys. AAPA, Cleveland, USA. American Journal of Physical Anthropology 168: 159-160.
18. Minkner MMI, Young C, Amici F, McFarland R, Barrett L, Grobler JP, Henzi SP, Widdig A. 2018. Male reproductive skew in wild vervet monkeys, *Chlorocebus pygerythrus*. Primate Ecology and Genetics Group, Port Elizabeth, South Africa.
17. * 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.
16. 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.
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. American Journal of Physical Anthropology 159: 225.
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. Folia Primatologica 86: 385.
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. American Journal of Physical Anthropology 153: 181.
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. Coetzee 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. Folia Primatologica 82: 330.
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. Primate Eye 104: 16.
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. Primate Eye 98: 18.

TEACHING

Recognition

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| 2020 | Honored Instructor Award, UW–Madison Division of University Housing. |
| 2019 | Honored Instructor Award, UW–Madison Division of University Housing. |
| 2019 – | Appointed fellow of the UW–Madison Teaching Academy; Promoting excellence in teaching and learning. |

Courses [] number of semesters taught. Up to and including Spring 2020.

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| Anthro 100 | General Anthropology (Biological Section) [4] |
| Anthro 105 | Principles of Biological Anthropology [7] |
| Anthro 120 | First-Year Interest Group (FIG): The Life of Primates [2] |
| Anthro 420 | Introduction to Primate Research [5] |
| Anthro 490 | Statistics/Quantitative Methods in Anthropology [3] |
| Anthro 691 | Senior Thesis [2] |
| Anthro 699 | Directed Study [5] |
| Anthro 990 | Research & Reading [1] |
| Zoology 990 | Research/Independent Study [2] |

Student advisees * completed

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| 2018 – | Christine Grebe, PhD Zoology, UW–Madison, USA. |
| 2018 – | Mackenzie Hewes, PhD Anthropology, UW–Madison, USA. |
| 2018 – | Alexandra Steffek, PhD Anthropology, UW–Madison, USA. |
| 2017 * | Emma Kirby, MSc Anthropology, UW–Madison, USA. |
| 2016 * | Emily Greinwald, BA Anthropology Senior Thesis, UW–Madison, USA. |
| 2014 * | Miranda Lucas, MSc Psychology, University of Lethbridge, Canada. |
| 2013 * | Anuradha Wanigaratne, BSc Honors Physiology, University of Western Australia. |
| 2013 * | Alwyn Lubbe, MSc Physiology, University of the Witwatersrand, SA. |
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