**Ambient temperature affects mammalian predator-prey interactions in an African savanna**

D. Rabaiotti1,2, Adam T. Ford3, Ben Chapple1,3, Jacob R. Goheen5,6, Andrea Fuller7,Sophie Morrill8 and Rosie Woodroffe1,5

1Institute of Zoology, Regents Park, London, UK, NW1 4RY

2Department of Genetics, Evolution and Environment, University College London, Gower Street, London, UK, WC1H 0AG

3Faculty of Natural Sciences, Centre for Environmental Policy, Imperial College London, 16-18 Prince's Gardens, London, SW7 1NE

4Departent of Biology, University of British Columbia, 3187 University Way, ASC 413, Kelowna, BC Canada V1V 1V7

5Departent of Zoology and Physiology, University of Wyoming, 1000 E. University Ave., Laramie, USA, WY 82071

6Mpala Research Centre, PO Box 555, Nanyuki, Kenya

7School of Physiology, Faculty of Health Sciences, University of Witwatersrand, 7 York Road, Parktown 2193, Johannesburg South Africa

Abbreviated title: Temperature affects predator-prey interactions

# Article type: Research article

***Number of words:*** Abstract = 372, Main text = 5524

***Corresponding author:*** D. Rabaiotti, Daniella.Rabaiotti@ioz.ac.uk, +447968018087