

SEEWIESEN

LECTURE SERIES

FALL/WINTER 2019/20



THURSDAY | November 21th, 2019 | 13 P.M. | HOUSE 4 LECTURE ROOM

MICHAEL ROMERO

Tufts University | Host: Research Group Hau

Stress Physiology in Conservation: Predicting Human Impacts on Wildlife

Species populations can decline for many reasons, but stress on individuals of those populations can make all of those reasons worse. Our recent and ongoing work has focused on two related questions: can chronic stress of individuals be used as a proxy for the health of the population; and how exactly might a stress response put a population at greater risk of decline? The ultimate goal is to use measurements of the stress response as a tool in vertebrate conservation.

WHO IS MICHAEL ROMERO?

1993 – 1996 Postdoctoral Fellow, Department of Zoology, University of Washington, Seattle, WA

1996 – 2002 Assistant Professor, Dept. of Biology, Tufts University, Medford, MA

2013 – present Adjunct Professor, Dept. of Infectious Disease and Global Health, Tufts University
School of Veterinary Medicine, North Grafton, MA

2006 – present Professor, Dept of Biology, Tufts University, Medford, MA

SELECTED PUBLICATIONS

- McCormick, S.D., Romero, L.M. 2017. Conservation Endocrinology. *BioSci.* 67:429-422.
- Dickens, M.J., Delehanty, D.J., Romero, L.M. 2010. Stress: an inevitable component of animal translocation. *Biol. Conserv.* 143:1329-1341.
- Romero, L.M., Wikelski, M. 2002. Severe effects of low-level oil contamination on wildlife predicted by the corticosterone-stress response: preliminary data and a research agenda. *Spill Sci & Tech Bull* 7:309-313.

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