

Eli D. Strauss

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Department of Integrative Biology
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Education

2012 – PhD Candidate at Michigan State University
Integrative Biology & Ecology, Evolutionary Biology and Behavior
2007 – 2011 B.A. at University of California Berkeley (Highest Honors)

Past Research Experience

2011 – 2012 Research Assistant at Mara Hyena Research Project, Kenya (Dr. Kay Holekamp)
2011 Research Assistant in Animal Behavior at UC Berkeley (Dr. Eileen Lacey)
2008 – 2011 Research Assistant in Visual Aesthetics Lab at UC Berkeley (Dr. Stephen Palmer)

Research Interests

Social behavior, dominance hierarchies, fission-fusion dynamics, social evolution

Peer-reviewed Publications

Holekamp, Kay E., **Strauss, Eli D.** (2016) Aggression and dominance: an integrative overview. *Current Opinion in Behavioral Ecology*.
Smith, Jennifer E., Lehmann, Kenna D.S., Montgomery, Tracy M., **Strauss, Eli D.**, Holekamp, Kay E. (2016) Insights from long-term field studies of mammalian carnivores. *Journal of Mammalogy*.
Johnson, Anya E., **Strauss, Eli D.**, Pickett, Rodney, Adami, Chris, Dworkin, Ian, Goldsby, Heather J. (2014) More Bang For Your Buck: Quorum-Sensing Capabilities Improve the Efficacy of Suicidal Altruism. *Proceedings of Artificial Life*.
Strauss, Eli D., Schloss, Karen B., Palmer, Stephen E. (2013) Color preferences change after experience with liked/disliked colored objects. *Psychonomic Bulletin and Review*.
Schloss, Karen B., **Strauss, Eli D.**, Palmer, Stephen E. (2012) Object color preferences. *Color Res. Appl.*

Book Chapters

Jones, Sarah C., **Strauss, Eli D.**, Holekamp, Kay E. (2015). "Ecology of African Carrion." *Carrion Ecology, Evolution and Their Applications*.

Conference Posters and Presentations

Strauss, Eli D., Holekamp, Kay E. 2017. Social rank reversals in a long-term study of spotted hyenas. Talk presented at *Animal Behavior Society Meeting*.
Strauss, Eli D., Holekamp, Kay E. 2014. Intraspecific variation in society of a social carnivore. Poster presented at *Animal Behavior Society Meeting*.
Mirmomeni, Masoud, Hintze, Arend, **Strauss, Eli D.**, Adami, Chris. The collective hunting game: a new game to model social behavior in animals. Presented at *Evolution*.
Strauss, Eli D., Schloss, Karen B., Palmer, Stephen E. 2011. The effects of imagined experiences of objects on preferences for colors. Presented at *Annual Meeting of the Vision Science Society*.
Strauss, Eli D., Schloss, Karen B., Palmer, Stephen E. 2010. The Good the Bad and the Ugly: Effects of Object Exposure on Color Preferences. Presented at the *10th Annual Meeting of the Vision Science Society*.

- Schloss, Karen B., Fortenbaugh, Francesca C., **Strauss, Eli D.**, Palmer, Stephen E. 2010. CSI Berkeley: Episode II: Perceptual Organization and Selective Attention. Presented at the *10th Annual Meeting of the Vision Science Society*.
- Schloss, Karen B., Fortenbaugh, Francesca C., **Strauss, Eli D.**, Palmer, Stephen E. 2009. CSI Berkeley: Episode II: Perceptual Organization and Selective Attention. Presented at the *4th Annual Configural Processing Consortium*.

Grants and Fellowships

External

2012 NSF Graduate Research Fellowship

Internal

2017 EEBB Travel Fellowship (\$600)
 2016 IBIO Shaver Award (\$1125)
 2014 EEBB Summer Fellowship (\$1800)
 2014 EEBB Travel Fellowship (\$400)
 2012 BEACON Top-up Fellowship (\$3000)
 2012 University Distinguished Fellowship
 2010 Undergraduate Research Apprenticeship Summer Award
 2009 Undergraduate Research Apprenticeship Summer Award

Mentoring

2015 – 2017 Mentored five undergraduates conducting data extraction
 2014 – 2015 Mentored two students through IRES program
 2014 Mentored two undergraduate students from underrepresented minorities as part of the SROP program.

Teaching

2016 Behavioral Ecology of African Mammals Instructor
 2015 – 2016 Evolution – Teaching Assistant

Service & Outreach

2017 MSU Hacky Hour Organizer (coding support group for graduate students)
 2016-2017 Biology on Tap Outreach Event Organizer
 2016-2017 EEBB Quantitative Methods Committee
 2016 Integrative Biology seminar committee
 2015 – 2016 Weekly public presentations about spotted hyenas at Serena Lodge in Kenya
 2015 – 2016 MSU Hyena Project field blog
 2015 BEACON blog participation
 2014 MSU Museum Darwin Day volunteer
 2013 MSU Museum Darwin Day volunteer

Skills

R, Field data collection, SQL, Social Network Analysis, Spanish