

## Eli D. Strauss

323 Natural Sciences Building  
Department of Integrative Biology  
Michigan State University  
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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 Sciences*.  
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 Research & Application*.

### 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

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### 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

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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

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

## Service & Outreach

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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

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