

## Theodore Stankowich

### **Postdoctoral Scientist, Lecturer**

Department of Biology  
University of Massachusetts - Amherst  
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### **Employment**

#### **Postdoctoral Scientist & Lecturer**

Department of Biology, University of Massachusetts, Amherst  
August 2008 - present

#### **Darwin Postdoctoral Fellow**

Organismic & Evolutionary Biology, University of Massachusetts, Amherst  
August 2006 - August 2008

### **Education**

#### **Doctor of Philosophy – Animal Behavior**

**University of California, Davis**, Animal Behavior Graduate Group, Dept. Psychology (June 2006)  
Emphasis: Ethology and Evolutionary Bases of Animal Behavior

#### **Master of Science – Animal Behavior**

**University of California, Davis**, Animal Behavior Graduate Group, Dept. Psychology (June 2002)  
Emphasis: Ethology and Evolutionary Bases of Animal Behavior

#### **Bachelor of Arts – Biological Sciences (*Cum Laude*)**

**Cornell University**, College of Arts and Sciences (May 2000)  
Emphasis: Evolution, Ecology, and Behavior

### **Publications**

19. **Caro, T. M. & Stankowich, T.** (*in press*) The function of contrasting pelage markings in Artiodactyls. *Behavioral Ecology*.
18. **Stankowich, T. & Caro, T. M.**, 2009. Evolution of weaponry in female bovids. *Proceedings of the Royal Society B*, published online at doi: 10.1098/rspb.2009.1256.
17. **Stankowich, T.**, (*in press* – 2010) Defensive Risk-Taking in Animals. In: *The Encyclopedia of Animal Behaviour*, (Breed, M., Moore, J., eds-in-chief; Stankowich, T., ed.) Elsevier.
16. **Fernández-Juricic, E., Zahn, E.F., Parker, T., Stankowich, T.** (*in press*) Tolerance to pedestrian disturbance of the California endangered Belding's Savannah Sparrow (*Passerculus sandwichensis beldingi*). *Avian Ecology and Conservation*.
15. **Blumstein, D.T., Ferando, E., Stankowich, T.** 2009. A test of the multi-predator hypothesis: Yellow-bellied marmots respond fearfully to the sight of novel and extinct predators. *Animal Behaviour*, 78, 873-878.
14. **Stankowich, T.** 2009. When predators become prey: flight decisions in jumping spiders. *Behavioral Ecology*, 20(2), 318-327.
13. **Stankowich, T.** 2009. Invited review (*The Better to Eat You With: Fear in the Animal World*, Berger 2008). *Quarterly Review of Biology*, 84(3), 298.
12. **Stankowich, T.** 2008. Ungulate flight responses to human disturbance: a review and meta-analysis. *Biological Conservation*, 141(9), 2159-2173.
11. **Stankowich, T.** 2008. Tail-flicking, tail-flagging, and tail position in ungulates with special reference to black-tailed deer. *Ethology*, 114(9), 875-885.
10. **Stankowich, T. & Coss, R. G.** 2008. Alarm walking in Columbian black-tailed deer: its characterization and possible antipredatory signaling functions. *Journal of Mammalogy*, 89(3), 636-645.
9. **Stankowich, T.** 2008. Invited review (*Quantifying Behavior the JWatcher Way*, Blumstein & Daniel 2007, eds.). *Integrative and Comparative Biology*, 48(3), 437-439.
8. **Stankowich, T. & Coss, R. G.** 2007. Effects of risk assessment, predator behavior, and habitat on escape behavior in Columbian blacktailed deer. *Behavioral Ecology*, 18(2), 358-367.

7. **Stankowich, T. & Coss, R. G.** 2007. The re-emergence of felid camouflage with the decay of predator recognition in deer under relaxed selection. *Proceedings of the Royal Society B*, 274, 175-182.
6. **Stankowich, T. & Coss, R. G.** 2006. Effects of predator behavior and proximity on risk assessment in Columbian blacktailed deer. *Behavioral Ecology*, 17(2), 246-254, COVER PHOTOGRAPH.
5. **Stankowich, T. & Blumstein, D. T.** 2005. Fear in animals: a meta-analysis and review of risk assessment. *Proceedings of the Royal Society B*, 272, 2627-2634.
4. **Stankowich, T.** 2003. Marginal predation methodologies and the importance of predator preferences. *Animal Behaviour*, 66, 589-599.
3. **Stankowich, T.** 2003. Invited Review (*The African Wild Dog*, Creel & Creel 2002). *Ethology*, 109, 613-616.
2. **Stankowich, T. & Sherman, P.W.** 2002. Pup shoving behavior in adult naked mole rats. *Ethology*, 108, 975-992.
1. **Bell, A. M., Davis, J. M., Debose, J. L., Johnson, J. C., Long, S. L., Mabry, K. E., Stankowich, T. & Watters, J. V.** 2002. Greatest hits in behavioral ecology. *Trends in Ecology and Evolution*, 17, 296.

### Editorial Positions

**2009:** “Antipredator Behaviour” Section Editor for *The Encyclopedia of Animal Behaviour*, forthcoming in 2010 from Academic Press / Elsevier (M. Breed & J. Moore, Editors-in-Chief)

### Symposia & Workshops

**2009:** **Participant** in workshop on Relaxed Selection at the National Evolutionary Synthesis Center (NESCent)

**2008:** **Lead organizer** of post-conference symposium at the *Annual Meeting of the International Society for Behavioral Ecology (8/08; Ithaca, NY)* entitled: “Decision-making during predator-prey encounters – identifying transformative research in antipredator behavior;” selected through competitive proposal process.

**2004:** **Group leader** of the Novel Predators/Prey working group at the *Human Induced Rapid Environmental Change Workshop* for the Center of Animal Behavior at the Univ. California Davis. (Organizer: Andy Sih)

**2002:** **Group leader** of the evolution working group at the *Behavioral Syndromes Workshop* for the Center of Animal Behavior at the Univ. California Davis. (Organizer: Andy Sih)

### Presentations & Posters

#### **2009**

*Invited Seminar, BIOTAP Program, Dept Biology, University of Massachusetts, Amherst, MA, USA.*

*Invited Seminar, School of Cognitive Science, Hampshire College, Amherst, MA, USA*

*Contributed Seminar, The Annual Meeting of the Animal Behavior Society in Pirenopolis, BRAZIL*

#### **2008**

*Lead Speaker, Antipredator Behavior Symposium Working Group, Annual Meeting of the International Society for Behavioral Ecology in Ithaca, NY*

*Invited Seminar, Biology Program, Bard College, Annandale-on-the-Hudson, NY, USA*

*Invited Seminar, School of Biology, Georgia Institute of Technology, Atlanta, GA, USA*

#### **2007**

*Invited Seminar, Dept Biological Sciences, Mount Holyoke College, South Hadley, MA, USA*

*Contributed Seminar, The Annual Meeting of the Animal Behavior Society in Burlington, VT, USA*

*Invited Seminar, Dept Ecology, Behavior, & Evolution, University of California San Diego, CA, USA*

*Invited Seminar, Dept Psychology, University of Exeter, Exeter, UK*

*Invited Seminar, Harvard Forest Field Station, Harvard University, Petersham, MA, USA*

*Invited Seminar, BIOTAP Program, Dept Biology, University of Massachusetts, Amherst, MA, USA.*

#### **2006**

*Clyde Warner Allee Talk, The Annual Meeting of the Animal Behavior Society in Snowbird, UT, USA*

*Invited Seminar, Bodega Marine Laboratory, Bodega Bay, CA, USA*

*Exit Seminar, Animal Behavior Graduate Group, University of California, Davis, CA, USA*

*Darwin Fellowship Seminar, Organismic & Evolutionary Biol, University of Massachusetts, Amherst, MA USA.*

*Contributed Seminar, The Annual Meeting of the Western Section of the Wildlife Society in Sacramento, CA, USA*

#### **2005**

*Brownbag Seminar, Dept Psychology, University of California, Davis, CA, USA*

*Invited Seminar, Dept Environ Science, Policy, and Management, University of California, Berkeley, CA USA*

*Contributed Seminar, The Annual Meeting of the Animal Behavior Society in Snowbird, UT, USA*

2<sup>nd</sup> Animal Behavior Graduate Group Research Conference, University of California, Davis, CA, USA

**2004**

Invited Seminar, Point Reyes National Seashore, Point Reyes Station, CA, USA

Contributed Seminar, The Annual Meeting of the Animal Behavior Society in Oaxaca, Mexico.

Psychobiology Brownbag, Department of Psychology, University of California, Davis, CA, USA

**2003**

1<sup>st</sup> Animal Behavior Graduate Group Research Conference, University of California, Davis, CA, USA

**Posters:**

**2008**

International Society for Behavioral Ecology in Ithaca, NY

**2001**

International Society of Applied Ethology in Davis, CA

**Awards, Grants, & Funding**

**National Science Foundation Grant:** \$1000, for travel to Animal Behavior Society Meeting in Brazil, 3/09

**Darwin Research Grant:** \$2500, 8/07

**Darwin Research Grant:** \$2500, 8/06

**Darwin Postdoctoral Fellowship,** Organismic and Evol. Biol., Univ. of Massachusetts, Amherst: 8/06 – 7/08.

**Bodega Marine Reserve Research Grant:** \$1200, 7/05-8/05.

**Dissertation Year Fellowship,** University of California, Davis: \$30,178.50, 7/05 – 6/06.

**Humanities Research Grant,** University of California, Davis: \$1,500, 4/05.

**Block Grant Fellowship,** University of California, Davis: \$7,514.50, 4/05 – 6/05.

**Block Grant Fellowship,** University of California, Davis: \$7,515.50, 1/05 – 3/05.

**Bodega Marine Reserve Research Grant:** \$600, 7/04-8/04.

**Humanities Research Grant,** University of California, Davis: \$1,500, 4/04.

**Block Grant Fellowship,** University of California, Davis: \$6,661, 4/04 – 6/04.

**2-time Phi Beta Kappa Graduate Scholarship Finalist:** 4/04, 4/05.

**National Science Foundation Predoctoral Research Fellowship Honorable Mention:** 2003.

**Block Grant Fellowships (x3),** University of California, Davis: \$14,862, 10/00 – 6/01.

**Center for Animal Behavior Unforeseen Needs Grant,** University of California, Davis: \$330, 6/02 – 9/02.

**Undergraduate Research Grant,** Cornell University: \$750, 10/99 – 5/00.

**Phi Beta Kappa** National Honor Society – *Theta* of New York

**Phi Kappa Phi** National Honor Society

**Cornell University Dean's List** (all 8 undergraduate semesters)

**Popular Press Coverage**

**Coverage of Horn Evolution (Stankowich & Caro 2009)**

“Armed and Dangerous”, *Nature*, Sept. 24, 2009, Vol. 461, p. 450

“Mystery of horned females solved”, *New Scientist*, Sept. 2009, Issue 2726

Also covered on: physorg.com, smithsonianmag.com, sciencenews.com, tweetmeme.com, inboxrobot.com

“A novel step for deer”, *BBC Wildlife Magazine*, Nov. 2008 – covering alarm walking (Stankowich & Coss 2008)

“Fear and Responses to Risk: Fight or Flight Initiation”, <http://lgillen.umwblogs.org>, November 30, 2007

“A veces hay que irse con el rabo entre las patas (Sometimes it is necessary to go away with the tail between the legs)”, <http://www.elcolombiano.com>, March 1, 2006

“Science Blog”, <http://scienceblog.com/community/older/2005/14/200513020.shtml>, September 2005

“Research Board holds 15th annual forum, honors its developer”,

<http://www.news.cornell.edu/chronicle/00/4.27.00/CURB-forum.html>, April 2000

## **Membership In Professional Societies**

**Animal Behavior Society**  
**International Society of Behavioral Ecology**  
**Society for the Study of Evolution**  
**Society for Integrative and Comparative Biology**

## **Leadership & Service**

**OEB Thursday Lunch Discussion Group**, Leader, Univ. Massachusetts-Amherst, Spring 2008  
**Darwin Postdoctoral Fellowship Search Committee**, Univ. Massachusetts-Amherst, 01/08-04/08  
**Invited Speaker for High School Science Classes about Science and Research Experiences (1-2 times/year)**, La Habra High School, La Habra, CA, 12/96-current  
**“Watch It Don’t Squash It” Afterschool Youth Program at Underprivileged Minority Schools**, UCD/Sacramento, California, 9/05 – 6/06  
**Animal Behavior Graduate Group New Student Orientation Guide, Editor**, UC Davis, California. 4/01 – 6/05.  
**Adaptation and Evolution Reading Group, Organizer**, UC Davis, California. 12/02 – 6/02.  
**Undergraduate Biology Advising Steering Committee**, Div. of Biological Sciences, Cornell Univ. 5/99 – 5/00  
**Undergraduate Biology Student Advisor**, Div. of Biological Sciences, Cornell Univ. 5/98 – 5/00

## **Peer Review Contributions** (number of articles reviewed in parentheses)

*Behavioral Ecology* (10)  
*Behavioral Ecology and Sociobiology* (11)  
*Animal Behaviour* (10; Named as a “Top Reviewer of 2007”)  
*Behaviour* (5)  
*Ethology* (9)  
*Journal of Evolutionary Biology*  
*Biology Letters* (3)  
*Journal of Ethology* (2)  
*Ecological Applications*  
*Acta Theorologica*  
*Acta Ethologica*  
*Herpetologica*  
*American Midland Naturalist*  
*Journal of Arid Environments*  
*Northeastern Naturalist* (2)  
*Bird Behavior*  
*Ecography*  
*Folia Zoologica*  
*Journal of Heredity*

## **Teaching Experience**

### **UNIVERSITY OF MASSACHUSETTS – AMHERST**

#### **Biology 548 – Mammalogy**

Instructor  
Term: Spring 2009

#### **Biology 287 – Introductory Ecology**

Co-instructor (with Dr. Karen Searcy)  
Terms: Fall 2008, Fall 2009

#### **Biology 312 – Writing in Biology**

Instructor  
Terms: Fall 2008, Spring 2009, Fall 2009

**Biology 280 – Evolution: Diversity of Life Through Time**

Co-instructor (with Prof. Margery Coombs)

Terms: Fall 2006, Fall 2007, Guest Lecturer Spring 2009

**Organismic & Evolutionary Biology 697B – Ecology and Evolutionary Biology**

Instructor/Course Leader

Terms: Fall 2006, Fall 2007

**Organismic & Evolutionary Biology 697Y – Graduate Student Seminar Series**

Instructor/Course Leader

Terms: Spring 2007, Spring 2008

**Biology 550 – Animal Behavior**

Guest Lecturer (2 lectures)

Term: Fall 2006

**Graduate Student Mentoring Presentations:**

“How to Succeed as a Graduate Student” (9/06, 9/07)

“How to Build a Professional Powerpoint Presentation” (9/06, 9/07)

“Navigating your Qualifying Exam: Tips, Advice, and the Jedi Mind Trick” (4/08)

**HAMPSHIRE COLLEGE**

**Cognitive Science 216 – Basic Animal Behavior Theory**

Instructor

Term: Fall 2009

**UNIVERSITY OF CALIFORNIA – DAVIS**

**Graduate Teaching Course: “Putting First Years on the Fast Track”**

Lecturer (1 lecture each term)

3 Terms: Spring 2004, Winter 2005, Winter 2006; Course Organizer & Leader: Dr. Gail Patricelli

**Biological Sciences 1B: Introduction to Zoology Laboratory**

Associate Instructor / Academic Coordinator

3 Terms: Summer 2003, Summer 2004; Summer 2006; Instructor: Dr. Pat Randolph

**Biological Sciences 1B: Introduction to Zoology Laboratory**

Teaching Assistant; Instructor: Dr. Susan Keen; Supervisor: Dr. Pat Randolph

8 Terms: Fall 2001, Winter 2002, Spring 2002, Fall 2002, Winter 2003, Spring 2003, Fall 2003, Winter 2004

**Evolution and Ecology 100: Evolution**

Teaching Assistant; Instructor: Dr. Maureen Stanton; Terms: Fall 2004

**Psychology 101: Psychobiology**

Teaching Assistant; Instructor: Drs. Donald Owings, Kenneth Henry, & Richard Coss (Summer 2003)

**Psychology 155: Environmental Awareness**

Teaching Assistant; Instructor: Dr. Richard Coss (Summer 2002)

**Psychology 100: Cognitive Psychology**

Teaching Assistant; Instructor: Dr. Lisa Tavano-Hall (Summer 2001)