

## **Elizabeth A. Tibbetts**

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### **Education:**

Cornell University. Ithaca, New York  
Ph.D. in Neurobiology and Behavior, Aug 2003

University of Michigan. Ann Arbor, Michigan  
Bachelor of Science, May 1998, *Summa Cum Laude*, High Honors

### **Professional Experience:**

Assistant Professor, Department of Ecology and Evolutionary Biology, University of Michigan, Ann Arbor, MI (September 2005-present)

Postdoctoral Fellow, Arizona Research Labs, University of Arizona, Tucson, AZ (September 2003-August 2005)

### **Publications:**

Tibbetts, E.A. & Shorter, J.R. in press. Resource value and resource holding potential influence the outcome of nest usurpation contests in *Polistes* paper wasps. *Behavioral Ecology*

Shorter, J.R. & E.A. Tibbetts. 2009. The effect of juvenile hormone on temporal polyethism in the paper wasp *Polistes dominulus*. *Insectes Sociaux* 56:7-13

Sheehan, M.J. & E.A. Tibbetts. 2008. Robust long-term social memories in a paper wasp. *Current Biology* 18: R851-R852

Tibbetts, E.A. 2008. Resource value and the context-dependence of receiver behavior. *Proceedings of the Royal Society London B* 1648: 2201-2206

Tibbetts, E.A., M.J. Sheehan & J. Dale. 2008. A testable definition of individual recognition. *Trends in Ecology and Evolution* 23: 356.

Tibbetts, E.A. & R. Lindsay. 2008. Visual signals of status and rival assessment in *Polistes dominulus* paper wasps. *Biology Letters* 23: 237-239.

Tibbetts, E.A. & H.K. Reeve. 2008. Two experimental tests of the relationship between group stability and aggressive conflict. *Naturwissenschaften* 95: 383-389.

Gronenberg, W., L.E. Ash & E.A. Tibbetts. 2008. Correlation between facial pattern recognition and brain composition in paper wasps. *Brain Behavior and Evolution* 71:1-14.

- Tibbetts, E.A. 2007. Dispersal decisions and pre-dispersal behavior in *Polistes* paper wasp 'workers'. *Behavioral Ecology and Sociobiology* 12: 1877-1883.
- Tibbetts, E.A. & T.R. Curtis. 2007. Rearing conditions influence quality signals but not individual identity signals in *Polistes* wasps. *Behavioral Ecology* 18: 602 - 607
- Tibbetts, E.A. & J. Dale 2007. Individual recognition: it is good to be different. *Trends in Ecology and Evolution* 22: 539-537.
- Tibbetts, E.A. 2006. Badges-of-status in worker and gyne *Polistes dominulus* wasps. *Annales Zoologici Fennici* 43: 575-582.
- Tibbetts, E.A. & J. Dale. 2004. A socially enforced signal of quality in a paper wasp. *Nature* 432, 218-222.
- Tibbetts, E.A. 2004. Individual recognition. Bekoff M. (ed.) In: *Encyclopedia of Animal Behavior*. Greenwood Press.
- Tibbetts, E.A. 2004. Complex social behavior can select for variable visual features: a case study in *Polistes* wasps. *Proceedings of the Royal Society London B* 271, 1955-1960.
- Tibbetts, E.A. & H.K. Reeve. 2003. Benefits of foundress associations in the paper wasp *Polistes dominulus*: Increased productivity and survival, but no assurance of fitness returns. *Behavioral Ecology* 14, 510-514.
- Rest, R.C., J.C. Ast, C.C. Austin, P.J. Waddell, E.A. Tibbetts, J.M. Hay, & D.P. Mindell. 2003. Molecular systematics of primary reptilian lineages and the tuatara mitochondrial genome. *Molecular Phylogenetics and Evolution* 29, 289-297.
- Tibbetts, E.A. 2002. Visual signals of individual identity in the paper wasp *Polistes fuscatus*. *Proceedings of the Royal Society London B* 269, 1423-1428.
- Tibbetts, E.A. & H.K. Reeve. 2000. Aggression and resource sharing among foundresses in the social wasp *Polistes dominulus*: testing transactional theories of conflict. *Behavioral Ecology and Sociobiology* 48, 344-352.
- Tibbetts, E.A. & S. Pruett-Jones. 1999. Habitat and nest-site partitioning in splendid and variegated fairy-wrens (Aves: Maluridae). *Australian Journal of Zoology* 47, 317-326.

### **Invited talks:**

Central Michigan University, 2009  
 University of Kentucky- plenary EEB symposium, 2008  
 Syracuse University, 2008  
 University of California, Riverside, 2008  
 University of Miami, 2007  
 University of Illinois, 2007  
 Eastern Michigan University, 2007

Kellogg Biological Station, 2006  
Michigan State University, 2006  
International Society for the Study of Social Insects - communication symposium, 2006  
Entomological Society of Ontario – plenary, 2006  
International *Polistes* conference, 2005  
Gordon Research Conference in Neuroethology – invited talk, 2005  
University of Michigan, 2005  
Arizona State University, 2004  
Dartmouth College, 2004  
University of St. Thomas, 2004  
Cornell University (exiting seminar, Neurobiology and Behavior), 2003  
University of Arizona, 2003  
Center for Insect Science, 2003  
University of California, Berkeley, 2002

**Teaching:**

Animal Behavior, Department of Ecology and Evolutionary Biology, University of Michigan  
(Fall 2006, Fall 2007, Fall 2008)

Behavioral Ecology, Department of Ecology and Evolutionary Biology, University of Michigan  
(Winter 2005)