

## MADELINE B. GIRARD

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University of California, Berkeley  
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### CURRENT POSITION

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University of California, Berkeley; Berkeley, CA (August 2010-present)  
Department of Environmental Science, Policy and Management  
Graduate Student: Evolution of elaborate male displays and female preference in the peacock spider (*Maratus volans*). Advisor: Damian Elias.

### EDUCATION

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B.A. Cornell University; Ithaca, NY (August 2004-May 2008)  
Major: Biological Sciences. Concentration: Neurobiology and Behavior.

### PUBLICATIONS

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**Girard, M.**, Mattila, H., and Seeley, T. *In press*. Recruitment-dance signals draw larger audiences when honey bee colonies have multiple patriline. *Insectes Sociaux*  
Elias, D. and **Girard, M.** *In prep*. Female mate-choice in *Habronattus dossenus*.  
Elias, D., Maddison, W., Peckmezian, C., **Girard, M.**, and Mason, A. *In prep*. Orchestrating the score: Complex multimodal courtship in the *Habronattus coecatus* group (Araneae: Salticidae)

### PRESENTATIONS

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**Girard, M.** Bogus Brains and Behaviors. Expanding Your Horizons Conference. November 20, 2010.

### AWARDS

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Honorable Mention (April 2010)  
National Science Foundation: Graduate Research Fellowship  
Dean's List (August 2007-May 2008)  
Cornell University, Ithaca, NY  
Employee Recognition Award: Seeley Lab (August 2007-May 2008)  
Cornell University, Ithaca, NY

### RESEARCH EXPERIENCE

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University of California, Berkeley; Berkeley, CA (September 2009-August 2010)  
**Lab Manager, Spider communication:** Specimen collection, measurement of habitat properties, behavioral observations, behavioral experiments, high speed image recording, vibratory measurements using laser vibrometry, and optical measurements using spectrometry. Laboratory organization and maintenance, including purchasing, setting up, and calibrating laboratory equipment.  
**PI: Damian Elias.**  
University of Toronto; Scarborough, ON (April-July 2009)  
**Field Assistant, Black Widow Behavior:** Conducted population surveys and collected web measurements. Assisted with carrying out experiments related to factors that influence how an organism chooses a mate and how these choices affect selection on males and females in natural populations.  
**PI: Maydianne Andrade.**

University of California, Davis; Davis, CA *(February-April 2009)*

Volunteer, Primate Behavior: Performed observations on rhesus macaques to assess whether mother-reared infants indoors are significantly different from mother-reared infants outdoors. These mother-reared infants were also compared to nursery-reared infants with a surrogate. Used HanDBase on palm pilots to record behaviors in a one-zero focal sampling system.

**PI: Rebecca Brunelli, Ph.D. Candidate.**

University of Maryland; College Park, MD *(October-December 2008)*

Field Assistant, Bowerbird Behavior: Assisted with carrying out experiments related to sexually selected behaviors of male satin bowerbirds in NSW, Australia. Maintained video monitoring equipment, made observations daily, recorded and compiled raw data.

**PI: Gerald Borgia.**

Cornell University; Ithaca, NY *(May 2007 - October 2008)*

Field Assistant, Honey Bee Behavior: Assisted with carrying out experiments and maintaining honey bee colonies. Recorded and compiled raw data. Designed and built components of the experimental setup as well as formatted data sheets. Performed genetic analysis of individuals.

**PI: Heather R. Mattila.**

Cornell University; Ithaca, NY *(January-July 2008)*

Research Assistant, Zebra Finch Behavior: Assisted with carrying out experiments concerning song preferences of females. Recorded and compiled raw data. Manipulated natural songs for trials, and analyzed recordings of bird responses obtained during trials.

**PI: Joanna Rutkowska.**

#### **AFFILIATIONS AND MEMBERSHIPS**

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U.C. Berkeley's Women in Science  
U.C. Berkeley's Entomology Student Organization  
Animal Behavior Society