

Lien T. Luong
Department of Biological Sciences
University of Cincinnati
Cincinnati, OH 45221
(513) 556-9736
luongl@email.uc.edu

Education

- 1999 – 2004 Ph.D. Entomology, University of California, Davis
Dissertation title: Effects of a sexually transmitted nematode on the reproduction and mating behavior of the Decorated Cricket, *Grylodes sigillatus*.
Advisor: Dr. Harry Kaya.
Comprehensive exams in Behavioral Ecology, Evolution, Nematology, and Parasitology.
- 1996 – 1998 M.S. Biology, University of California, Riverside
Thesis title: The biology of *Mehdinema alii* (Nematode: O. Diplogasterida) from the Decorated Cricket, *Grylodes sigillatus* (Orthoptera: Gryllidae).
Advisor: Dr. Edward Platzer.
- 1992 – 1996 B.S. Evolution and Ecology, University of California, Davis

Academic Appointments

- 2005 – present Postdoctoral Fellow, Department of Biology, University of Cincinnati
Principle investigator: Dr. Michal Polak.
- Jan. – Sept. 1999 Researcher, Department of Entomology, University of California, Riverside
Project title: Vectors of the domestic chicken tapeworm: extrinsic incubation and seasonality.
Principle investigator: Dr. Nancy Hinkle.

Scientific Publications

- Luong, L. T.** and Polak, M. Costs of Resistance in the *Drosophila-Macrocheles* system: a negative genetic correlation between ectoparasite resistance and reproduction. *Submitted to Evolution*.
- Luong, L. T.**, Heath, B. D., and Polak, M. Host inbreeding increases susceptibility to ectoparasitism. *Journal of Evolutionary Biology*. *In press*.
- Luong, L. T.**, Kortet, R., and Hedrick, A. V. 2005. Prevalence and intensity of *Cephalobium microbivorum* (Nematoda: Diplogasterida) infection in three species of *Gryllus* field crickets. *Parasitology Research* **97**: 336-339.
- Luong, L. T.** and Kaya, K. H. 2005b. Sexually transmitted parasites and host mating behavior in the decorated cricket. *Behavioral Ecology* **16**: 794-799.

Scientific Publications, continued

Luong, L. T. and Kaya, K. H. 2005a. Sexually transmitted nematodes affect nuptial food gift production in the cricket, *Grylloides sigillatus*. *Behavioral Ecology* **16**: 153-158.

Luong, L. T. and Kaya, K. H. 2002. Infection dynamics of a sexually transmitted nematode (*Mehdinema alii*) in the decorated cricket (*Grylloides sigillatus*). *Canadian Journal of Zoology* **80**: 1145-1148.

Luong, L. T., Platzer, E. G., Zuk, M., and Giblin-Davis, R. M. 2000. Venereal worms: sexually transmitted nematodes in the decorated cricket. *Journal of Parasitology* **86**: 471-477.

Luong, L. T., Platzer, E. G., De Ley, P., and Thomas, K. 1999. Morphological characterization and biology of *Mehdinema alii* (Nematoda: Diplogasterida) from the decorated cricket (*Grylloides sigillatus*). *Journal of Parasitology* **85**: 1053-1064.

Zuk, M., Kim, T., Kristan, D. M., and **Luong, L. T.** 1997. Sex, Pain and Parasites. *Parasitology Today* **13**: 332-333.

Manuscripts in Preparation

Luong, L. T. and Polak, M. Parasites inhibit host copulation: a novel mechanism of parasite-mediated sexual selection.

Hinkle, N. C., **Luong, L. T.**, and Platzer, E. G. Poultry tapeworms, *Choanotaenia infundibulum* and *Raillietina cesticillus*: extrinsic incubation and seasonality.

Abstracts

Luong, L. T. 2006. Biology of a sexually transmitted nematode (*Mehdinema alii*) in the Indian house cricket (*Grylloides sigillatus*). *Journal of Nematology* **38**: 280.

Luong, L. T. 2006. Biology of a sexually transmitted nematode (*Mehdinema alii*) in the Indian house cricket (*Grylloides sigillatus*). *Journal of Nematology* **38**: 280.

Platzer, E. G., **Luong, L. T.**, and Hinkle, N. 2001. Termination of obligate developmental dormancy in an ascarid. *Phytopathology* **91**: S141.

Scientific Presentations

2006 Costs of Resistance: trade-offs between ectoparasite resistance and host fitness. Society for the Study of Evolution, Stony Brook, NY.

2006 Invited symposium speaker: The sexual transmission of entomophilic nematodes. Society of Nematologists, Lihue, Kauai.

2003 Sexually transmitted nematodes affect nuptial food gift production in the cricket, *Grylloides sigillatus*. Entomological Society of America, Cincinnati, OH.

Presentations, continued

- 2003 Sexually transmitted parasites and the decorated cricket. Animal Behavior Society, Boise, ID.
- 2003 Behavior of nematode-infected insects and of scavengers to nematode-killed insects (presented by H.K. Kaya). Society for Invertebrate Pathology, Burlington, VT.
- 2002 Sexually transmitted parasites and host mating behavior. Entomological Society of America, Fort Lauderdale, FL.
- 2002 Sexually transmitted nematodes in the decorated cricket. Pacific Branch Entomological Society of America, Lake Tahoe, NV.
- 2001 Termination of obligate developmental dormancy in an ascarid (presented by E.G. Platzer). Society of Nematologists, Salt Lake City, UT.
- 2001 Poultry Tapeworm, *Choanotaenia* and *Raillietina*: Extrinsic incubation and seasonality (presented by N.C. Hinkle). Entomological Society of America, San Diego, CA.
- 1999 Intermediate hosts of *Choanotaenia infundibulum* and *Raillietina cestricillus*, cosmopolitan avian tapeworms (presented by N.C. Hinkle). Society for Vector Ecology, Asheville, NC.
- 1999 Morphological characterization and biology of *Mehdinema alii* (Nematoda: Diplogasterida) from the decorated cricket (*Grylloides sigillatus*). Society of Nematologists and American Society of Parasitologists joint meeting, Monterey, CA.
- 1999 Venereal worms: sexually transmitted nematodes. Society of Nematologists and American Society of Parasitologists joint meeting, Monterey, CA.
- 1999 *Choanotaenia infundibulum* and *Raillietina cestricillus*, common tapeworms of Southern California Poultry (presented by N.C. Hinkle). Livestock Insect Workers Conference, Chattanooga, TN.
- 1998 *Mehdinema alii*: Morphology and sex-biased infection in *Grylloides sigillatus*. Society of Nematologists, St. Louis, MI.
- 1998 Venereal worms: sexually transmitted nematodes. Southern California Society of Parasitologists, Los Angeles, CA.

Professional Awards

- 2003 1st place winner of student paper competition, Entomological Society of America: ‘Sexually transmitted nematodes affect nuptial food gift production in the cricket, *Grylloides sigillatus*.’
- 2002 1st place winner of student paper competition, Pacific Branch, Entomological Society of America: ‘Sexually transmitted nematodes in the decorated cricket.’
- 1999 1st place winner of student paper competition: Society of Nematologists and American Society of Parasitologists, joint meeting. ‘Venereal worms: sexually transmitted nematodes.’

Grants, Fellowships

- 2003 Merlin Allen Memorial & Norman and Lois Jones/CA&ES Travel Fund
- 2003 Department of Entomology Travel Grant, University of California, Davis
- 2003 Jastro-Shields Graduate Research Grant, University of California, Davis
- 2002 Department of Entomology Travel Grant, University of California, Davis
- 2002 Jastro-Shields Graduate Research Grant, University of California, Davis
- 2002 Graduate Summer Research Fellowship, University of California, Davis
- 2000 Jastro-Shields Graduate Research Grant, University of California, Davis
- 1998 Irwin M. Newell Graduate Research Fund Award, University of California, Riverside
- 1998 Graduate Student Association Travel Mini-Grant, University of California, Riverside
- 1998 Summer Support Grant, Biology Department, University of California, Riverside

Teaching Experience

Guest lecturer: Entomology 10. ‘Behavioral Ecology: Insect Communication.’ Department of Entomology, University of California, Davis. Feb. 2003 & 2004.

Guest lecturer: Entomology 10. ‘Symbiosis and Mutualism in Insects.’ Department of Entomology, University of California, Davis. March 2004.

Teaching Assistant: Entomology 10 (Natural History of Insects), University of California, Davis. Winter 2000, 2003, 2004.

Teaching Assistant: Biology 157 (Parasitology), University of California, Riverside. Spring 1998, Spring 1999.

Teaching Assistant: Biology 159 (Biology of Nematodes), University of California, Riverside. Winter 1998.

Teaching Assistant: Biology 5C (Introductory Evolution and Ecology), University of California, Riverside. Fall 1996 and Spring 1997.

Teaching Assistant: Biology 5A (Introduction to Cell and Molecular Biology), University of California, Riverside. Winter 1997 and Fall 1997.