

Bodil N. Cass

Postdoctoral Scholar, Department of Entomology and Nematology
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EDUCATION

Ph.D. Interdisciplinary Program in Entomology & Insect Science with minor in Ecology & Evolutionary Biology (2015)
University of Arizona – GPA 4.0
Committee: Martha Hunter (advisor), Wendy Moore, Diana Wheeler, Jeremiah Hackett
Hons. Integrative Biology (2006) **The University of Queensland - High Distinction & Valedictorian**
Committee: Scott O’Neill (advisor), Jeremy Brownlie, Karyn Johnson, Sassan Asgari
BSc. Genetics (2005) **The University of Queensland – High Distinction & Dean’s Commendation for High Achievement**
Advanced Studies Program in Science (2003 – 2005) and Enhanced Studies Program in Chemistry (2012)

RESEARCH APPOINTMENTS

Postdoctoral Scholar, Entomology & Nematology (full-time, 2016 – present) and Center for Population Biology (associate, 2017 – present) University of California, Davis; Advisor: JA Rosenheim
Research Assistant, Entomology, University of Arizona (part-time, 2011 – 2015) Advisor: MS Hunter
Research Rotation, Ecology & Evolutionary Biology, University of Arizona (project, 2009) Advisor: NA Moran
Research Rotation, Entomology, University of Arizona (project, 2008 – 2009) Advisor: X Li
Research Rotation, Entomology, University of Arizona (project, 2008) Advisor: MS Hunter
Research Specialist, Integrative Biology, The University of Queensland (full-time, 2007) Advisor: SL O’Neill
Research Assistant, Life Sciences, The University of Queensland (part-time, 2003 – 2005) Advisor: SL O’Neill
Research Rotation, Institute for Molecular Bioscience, University of Queensland (project, 2005) Advisor: JL Martin
Research Rotation, Life Sciences, The University of Queensland (project, 2004) Advisor: SL O’Neill

PEER-REVIEWED PUBLICATIONS

Cass BN, Himler AG, Bondy EC, Bergen JE, Fung SK, Kelly SE, Hunter MS (2016) *Conditional fitness benefits of a Rickettsia bacterial symbiont in an insect pest.* Oecologia. 180(1):169–79
Gebiola M, White JA, **Cass BN**, Kozuch A, Harris LR, Kelly SE, Karimi J, Giorgini M, Perlman SJ, Hunter MS (2016) *Cryptic diversity, reproductive isolation and cytoplasmic incompatibility in a classic biological control success story.* Biological Journal of the Linnean Society. 117(2):217–30
Cass BN, Yallouz R, Bondy EC, Mozes-Daube N, Horowitz AR, Kelly SE, Zchori-Fein E, Hunter MS (2015) *Dynamics of the endosymbiont Rickettsia in an insect pest.* Microbial Ecology. 70(1):287–97
Cass BN, Mozes-Daube N, Isur-Kruh L, Bondy EC, Kelly SE, Hunter MS, Zchori-Fein E (2014) *Bacterial endosymbionts in field-collected samples of Trialeurodes sp. nr. abutiloneus (Hemiptera: Aleyrodidae)* Research in Microbiology. 165(2):77–81
Penz T, Schmitz-Esser S, Kelly SE, **Cass BN**, Müller A, Woyke T, Malfatti SA, Hunter MS, Horn M (2012) *Comparative genomics suggests an independent origin of cytoplasmic incompatibility in Cardinium hertigii.* PLoS Genetics. 8(10):e1003012
Li X, Bai S, **Cass BN** (2012) *Accord insertion in the 5’ flanking region of CYP6G1 confers nicotine resistance in Drosophila melanogaster.* Gene. 502(1):1–8
Degnan PH, Leonardo TE, **Cass BN**, Hurwitz B, Stern D, Gibbs RA, Richards S, Moran NA (2010) *Dynamics of genome evolution in facultative symbionts of aphids.* Environmental Microbiology. 12:2060–9
International Aphid Genomics Consortium (2010) *Genome Sequence of the Pea Aphid Acyrthosiphon pisum.* PLoS Biology. 8(2):e1000313
Brownlie JC, **Cass BN**, Riegler M, Witsenburg JJ, Iturbe-Ormaetxe I, McGraw EA, O’Neill SL (2009) *Evidence for metabolic provisioning by a common invertebrate endosymbiont, Wolbachia pipentis, during periods of nutritional stress.* PLoS Pathogens. 5:e1000368
McMeniman CJ, Lane RV, **Cass BN**, Fong AWC, Sidhu M, Wang Y, O’Neill SL (2009) *Stable introduction of a life-shortening Wolbachia infection into the mosquito Aedes aegypti.* Science. 323(5910):141–4

FELLOWSHIPS & AWARDS

P.E.O. International Peace Scholarship (national competition; 2008 and 2009) \$10,500
University of Queensland Academic Excellence Award (university-wide competition; 2006) \$6,000
Smart Women, Smart State Award (undergraduate category, statewide competition; 2005) \$2,500

Australian Federal Government Students Prize (one of 500 recipients nationwide; 2002)	\$2,000
R. F. Chapman Prize for Outstanding Graduate Student in Insect Science (2013)	\$1,500
Carruth Scholarship for Outstanding Graduate Student in Entomology (2014)	\$500
International <i>Wolbachia</i> Meeting Communication Award, 2 nd place (2012).....	\$100
Entomology Society of America Meeting President's Prize, 2 nd Place (2015)	\$50

RESEARCH GRANTS

Arizona Board of Regents Doctoral Research Grant (2012)	\$5,000
Center for Insect Science Graduate Research Stipend (2009 and 2010)	\$1,000
H.E. Carter Travel Award for Graduate Interdisciplinary Program students (2012).....	\$600
University of Arizona Institute of the Environment Travel Grant (2012)	\$500
University of Arizona Graduate and Professional Student Council Travel Award (2012).....	\$500
Center for Insect Science Travel Award (2011)	\$500
Arizona Student Union Textbook Scholarship (university-wide competition; 2010)	\$500

CONTRIBUTED PRESENTATIONS

International Congress of Entomology, Orlando, Florida, USA (2016) Oral presentation
 UC Davis Center for Population Biology Seminar Series, California, USA (2016) Seminar
 Entomological Society of America Meeting, Minneapolis, Minnesota, USA (2015) Oral presentation
 International *Wolbachia* Conference, Ile d'Oléron, France (2012) Poster
 Entomological Society of America Meeting (2011) Oral presentation
 Center for Insect Science Hexapodium (2011) Oral presentation, (2009) Oral presentation
 Institute of the Environment Environmental Research Grad Blitz (2011) Oral presentation
 Genetics Society of Australia (2006) Poster
 The University of Queensland Undergraduate Research Conference (2005) Poster, (2004) Oral presentation

TEACHING EXPERIENCE & TRAINING

Teaching Assistant, Department of Entomology, University of Arizona (2014) Insects & Culture
 Teaching Assistant, Department of Ecology and Evolutionary Biology (2010) Genetics
 Teaching Assistant, Instructor of Record, Department of Molecular and Cellular Biology (2009, 2010) Introductory Biology

ACADEMIC SERVICE, DIVERSITY & OUTREACH

Journal reviewer: Molecular Ecology (3 manuscripts; 2016), Neotropical Entomology (2 manuscripts; 2016)
 Entomological Society of America membership
 Student Representative to the Executive Committee, GIDP Entomology & Insect Science, U. Arizona (2010 – 2012) and
 Entomology Graduate Student Association, University of Arizona (2009 – 2012)
 Judge, University of Arizona Graduate and Professional Student Council Travel Awards (2012)
 Seminar speaker host (3 speakers: UC Davis Winter 2017, U Arizona Fall 2009, Center for Insect Science 2010)
 Invited Speaker, Philanthropic Education Organization State Convention – *women in education panel* (2010, 2009)
 Invited Speaker, Science Works for the Smart State Conference – *science in public education panel* (2002)
 Volunteer ant surveyor, Conservation Volunteers Australia *Yellow Crazy Ant Eradication Project* (2008)
 Volunteer: Arizona Insect Festival *Life in Miniature* (2011, 2012, 2013, 2014); Arizona-Sonora Desert Museum *Meet the Beetles* (2010); Insect Discovery Outreach Program, Lamb's Gate elementary school (2009), BASIS school student visit, University of Arizona (2010), Arizona 4-H Youth Development Entomology Workshop (2010), *Biomedical Research Abroad Vistas Open* orientation (2011), Gympie high women in science tour (2003)
 Donation of entomology teaching supplies to the University of Arizona Insect Discovery Outreach Program (2015)
 Workshop participant, *Conflict Resolution*, Women in Life Sciences at Davis (2017) *Impostor Syndrome* (2016)
UndocuALLY Program for Educators certified training, University of California, Davis (2017)