

Patrick Michael O'Grady

Cornell University
Department of Entomology
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Education and Postgraduate Training

2000 – 2003	Curatorial Associate, American Museum of Natural History
1998 – 2000	Kalbfliesch Fellow, American Museum of Natural History
1993 – 1998	University of Arizona, Tucson, Arizona, Ph.D., Genetics
1989 – 1993	Clarkson University, Potsdam, New York, B.S., Biology

Academic Positions

2017 –	Professor, Department of Entomology, Cornell University
2011 – 2017	Associate Professor & Biodiversity Scientist, Department of Environmental Science, Policy and Management, University of California, Berkeley
2006 – 2011	Assistant Professor & Biodiversity Scientist, Department of Environmental Science, Policy and Management, University of California, Berkeley
2003 – 2005	Assistant Professor, Department of Biology, University of Vermont

Other Positions

2017 –	Associate Curator of Diptera, Cornell University Insect Collection
2016 –	Director, National <i>Drosophila</i> Species Stock Center
2004 –	Research Associate, American Museum of Natural History
2006 – 2017	Curator, Essig Museum of Entomology, UC Berkeley
2006 – 2014	Director, ESPM Environmental Genetics Facility, UC Berkeley
2004 – 2005	Curator, Zaddock Thompson Invertebrate Collection, University of Vermont
1999 – 2006	Visiting Scientist, University of Hawai'i, CCRT

Current and Pending Grants

2018 – 2020	Active Learning Across the Tree of Life: Engaged Teaching in Organismal Biology, Cornell University CALS Active Learning Grant, \$152,000, Co-PI with CD Specht and K Zamudio
2017 – 2019	RAPID: Transfer of <i>Drosophila</i> Species Stock Center from UCSD to Cornell University, pending
2015 – 2018	CSBR: Living Stocks: San Diego <i>Drosophila</i> Species Stock Center, \$500,000, Co-PI

Completed Grants * subcontract or participant

2012 – 2016	Dimensions: Collaborative Research: A community level approach to understanding speciation in Hawaiian lineages, \$1,061,370. Co-PI
2011 – 2013	Gordon and Betty Moore Foundation. Berkeley Initiative in Global Change Biology (BIGCB): Global Change Forecasting for Biological Systems in California. Seven projects funded for a total of \$2,499,234. Co-PI: How will California's coastal aquatic ecosystems respond to climate change and human water management? An assessment integrating physiology, population dynamics and food webs. \$343,726
2010 – 2013	National Park Service, California Cooperative Ecosystem Studies Unit (co-PI Lisa Marrack). Predicting Impacts of Sea Level Rise for Cultural and Natural Resources in Five Hawaii Parks. \$100,000.
2010 – 2012	NSF Systematics Panel, Doctoral Dissertation Improvement Grant (co-PI Gordon Bennett). Systematics, Island Biogeography, and Coevolution of native Hawaiian leafhoppers (Cicadellidae: Deltocephalinae: Nesophrosyne) and their endosymbionts. \$15,000
2009 – 2013	NSF Systematics Panel, Comparative Phylogenetics of Hawaiian Diptera. \$574,436
2008	UC Berkeley Junior Faculty Committee on Research, Endosymbiotic Associations of Tabanidae (Horse and Deer Flies) in California (PI) \$5,000
2008	Regents' Junior Faculty Fellowship, \$5,000
2008	Berkeley Research Impact Initiative, \$1,500
2007	Instructional Minigrant: ESPM 140, General Entomology
2007	UC Berkeley Junior Faculty Committee on Research, Active transposons in Hawaiian <i>Drosophila</i> genomes: A potential mechanism of rapid species formation?. (PI) \$8,000
2006 – 2007	UC Mexus Program, Population Genetics and Statistical Phylogeography of Dune Endemic Species in Northern Mexico and the Southwestern United States. (PI) \$17,500
2006 – 2007	UC Berkeley Junior Faculty Committee on Research, The Drosophilidae of Samoa. (PI) \$6,000
2004 – 2009	*Biological Resources Division Global Change Program, Sensitivity of Pacific Island Tropical Montane Cloud Forests to Climate Change (PI: L. Loope) \$1,060,000 (\$20,334)
2003 – 2008	*NSF FIBR Program, Integrative Studies of <i>Wolbachia</i> Eukaryotic Interactions: Genomes to Communities and Back (PI: J. Werren).
2002 – 2004	NSF Systematics Program, High Throughput Genome Sequencing in Drosophilidae (co-PI: R. DeSalle) \$385,000
1996 – 1998	NSF Doctoral Dissertation Improvement Grant. \$9,600
1994, 1995	Robert S. Flinn Foundation Travel Grant (2)

1994, 1995	NSF Research Training Group in the Analysis of Biological Diversification Small Grant (2)
1993 – 1994	Robert S. Flinn Foundation Training Grant (Genetics) \$15,000

Fellowships, Awards, and Honors

2017	UC Berkeley, Department of Environmental Science, Policy and Management, Faculty Mentor Award
2016	Elected Fellow, California Academy of Sciences
2010	<i>Nesophrosyne ogradyi</i> Bennett (Hemiptera: Cicadellidae)
2008	<i>Campsicnemus ogradyi</i> Evenhuis (Diptera: Dolichopodidae)
2006	Mildred Mathias Award for Highest Ranked Proposal in Natural Sciences, UC Mexus Competition
2004	<i>Drosophila ogradyi</i> Vela & Rafael (Diptera: Drosophilidae)
1997 – 1998	Robert S. Flinn Foundation Graduate Fellowship
1996 – 1997	NSF Research Training Group in the Analysis of Biological Diversification Fellowship
1995	Robert S. Flinn Foundation Graduate Fellowship
1993	Clarkson University Outstanding Senior Biology Major
1992	Clarkson University Undergraduate Research Fellowship

Teaching Experience

Cornell University

ENTOM 2120 Insect Biology (Fall 2018, 2019)
ENTOM 2500 Desert Entomology (spring 2019)

UC Berkeley

ESPM 140 General Entomology (Spr 2006-2009, 2011-2012; Fall 2013-2014; Spr 2015; Fall 2015-2017)
ESPM 299 Graduate Research (Fall 2006 – Spr 2017)
UGIS 192C Research in the Biological Sciences (Spr 2006 – Spr 2017)
ESPM 40 Insects and Society (Fall 2008-2010)
ESPM 290 Phylogenetic Data Analysis (Fall 2007, 2009, 2012; Spr 2018))
ESPM C107 Biology and Geomorphology of Tropical Islands (Fall 2015-2016)
ESPM 147 Field Entomology (Fall 2011, Spr 2017)
ESPM 201s ESPM Colloquium (Fall 2014; Spr 2015)
ESPM 290 Berkeley Global Change Biology Seminar (Fall 2014, Spr 2015)
IB 291 Tropical Diversification Seminar (Spr 2008)
ESPM 24 Freshman Seminar, Evolutionary Biology (Spring 2007)
ESPM 194 Conservation Resource Studies Senior Seminar (Fall 2007)
ESPM 290 Current Topics in Arthropod Diversity (Fall 2006)

University of Vermont

Biol 006 Evolutionary Biology (Spr 2004, 2005)
Biol 209 Field Zoology (Fall 2004, 2005)
Biol Phylogenetics (Fall 2005; Spr 2005).

Advising and Mentoring

Postdoctoral Collaborators

Nicole Chodkowski 2019 – present (Cornell, CALs Active Learning Postdoc)
David Hembry 2018 – present (Cornell)
Kari Goodman, 2010 – 2013 (Berkeley)
Brian Ort, 2007 – 2013 (Berkeley)
Pavla Bartosova, 2009 (visiting from Czech Academy of Sciences)
Karl Magnacca, 2006 – 2007 (Berkeley). Now: Postdoc, UH Hilo
James Bonacum, 2003 (AMNH). Now: Assistant Professor, Univ. Illinois
Deodoro Oliveira, 2002 – 2003 (AMNH). Now: Postdoc, Univ. Barcelona

Graduate Students

Kyla O'Hearn 2019 – present (Cornell, Entomology, PhD)
Augusto Rampasso 2019 – present (Cornell, Entomology, PhD)
Ashlee Abrantes 2018 – present (Cornell, Entomology, PhD)
Allan Cabrero, 2016 – present (Berkeley, ESPM, PhD)
Nina Pak 2014 – 2017 (Berkeley, ESPM, PhD)
Natalie Stauffer, 2012 – 2017 (Berkeley, ESPM, PhD)
Jessica Craft, 2011 – 2014 (Berkeley, ESPM, MS)
Elizabeth Marrack, 2010 – 2014 (Berkeley, ESPM, PhD)
Gordon Bennett, 2006 – 2012 (Berkeley, ESPM, PhD)
Richard Lapoint, 2005 – 2011 (Berkeley, ESPM, PhD)

Undergraduate/Postbaccalaureate Mentoring

I've overseen research projects for over 60 undergraduate students since 2006.

Service

National & International

2018 – present	Associate Editor, Molecular Phylogenetics and Evolution
2013 – present	Editorial Board, Frontiers in Phylogenetics, Phylogenomics, and Systematics
2012 – present	Editorial Board, PLoS One
2012 – present	Editorial Board, Psyche
2008 – present	Editorial Board, Molecular Phylogenetics and Evolution
2007 – present	Fly, Associate Editor
2001 – present	Co-organizer/Instructor, <i>Drosophila</i> Species Identification and Culture. I-XII; <i>Drosophila</i> Species Stock Center
2000 – present	Advisory Committee, National <i>Drosophila</i> Species Stock Center
2014	Speaker, Genetic, Genomic and Informatic Resources for non- <i>melanogaster</i> Drosophilidae, Annual <i>Drosophila</i> Research Conference, San Diego, CA
2014, 2011, 2006	National Science Foundation, Systematics Panel
2012	Chair, Publications Committee, Pan Pacific Entomologist

- 2009 Organizing Committee: Evolution of Life on Pacific Islands and Reefs: Past, Present and Future.
- 2009 Flybase, Taxonomic Advisory Panel
- 2009 Flyboard, ex-officio member, *Drosophila* Species
- 2008 Organizer; Symposium on *Drosophila* Taxonomy, Systematics and Evolution, San Diego, CA
- 2008, 2009 Judge, W.D. Hamilton Award, Society for the Study of Evolution
- 2006 – 2012 Bay Area Biosystematists Steering Committee
- 2004 – 2008 Associate Editor, Molecular Phylogenetics & Evolution
- 2004 – 2006 Member, Tucson *Drosophila* Genomics Consortium (<http://tdgc.arl.arizona.edu/>)
- 2003 Invited participant, *Drosophila* as a Model System for Comparative Genomics; Tucson, AZ
- 2002 Instructor, Systematics Toolkit Workshop; New York Botanical Garden, New York, NY; November

College & Campus

Cornell University

- 2018 – present Undergraduate Advisor, Entomology Undergraduate Advisor, Office of Undergraduate Biology
- 2017 – present Entomology Admissions Committee
- 2017 – present Cornell University Insect Collection Committee

prior to 6/2017 (UC Berkeley)

- 2016 – 2017 Elected Member, Campus-wide Committee on Committees,
- 2015 – 2017 Elected Chair (2016-2017) and Vice Chair (2015-2016), College of Natural Resources Executive Committee
- 2015, 2010 – 2012 ESPM Graduate Program Committee, O&E Representative
- 2015, 2010 – 2011 O&E Representative on Admissions Committee
- 2012 – 2015 ESPM Head Graduate Advisor
- 2012 Essig Museum Collections Manager Search Committee
- 2010 – 2017 ESPM Graduate Advisor, Molecular Environmental Biology and Conservation Resource Studies Majors
- 2009, 2010 Reviewer, Biology Scholars Program
- 2009 Reviewer, France-Berkeley Fund
- 2009 Reviewer, Biology Fellows Program
- 2008 ESPM Computing Committee
- 2007 – 2013 Molecular Environmental Biology Advisor
- 2007 CNR Undergraduate Honors Judge
- 2007 Moderator, Linnaeus Day Celebration
- 2007 Essig Museum GSR Selection Committee
- 2006 – 2012 Undeclared Majors Advisor
- 2006 – 2007 Walker Fund Committee
- 2006 – 2007 Graduate Student Awards Committee
- 2006 Arthropod Web Content & Delivery Committee

2006

Student Affairs Committee

Manuscript and Proposal Reviews

Peer review activities from 2018 – present are on publons

<https://publons.com/researcher/1490349/patrick-ogrady/peer-review/>

Other review activities include: Academic Press, Birkhauser Press, Bishop Museum Press, BMC Evolutionary Biology, City University of New York Grant Foundation, Chromosoma, Cladistics, Entomological Science, Environmental Ecology, Evolution, Fiji Arthropods, Fly, Gene, Genetica, Hawai'i Biological Survey Records, Hawai'i EPSCoR REAP Program, Journal of Biomedical Informatics, Journal of Natural History, Molecular Biology and Evolution, Molecular Phylogenetics and Evolution, National Science Foundation, Oxford University Press, Pacific Science, Proceedings of the Hawaiian Entomological Society, Proceedings of the Royal Society, Series B, Raffles Bulletin of Zoology, PLoS Biology, PLoS One, United States Fish and Wildlife Service, Universidad de Puerto Rico Institutional Research Fund, Zookeys, Zootaxa

Workshop and Career Development

2004, 2005 Wolbachia Project Group Meeting and Workshop, Portal, AZ
2003, 1995 MBL Workshop in Molecular Evolution, participant

Professional Societies

American Association for the Advancement of Science (1995 – 1998), Genetics Society of America (1995 – 1999, 2006 - present), Hawaiian Entomological Society (1999 – present), New York Entomological Society (2000 – present), North American Dipterist's Society (1995 – present), Pacific Coast Entomological Society (2001 – present); Society for Molecular Biology and Evolution (1995 – present), Society for the Study of Evolution (1995 – present) Society of Systematic Biologists (1995 – present)

Collection and Curation Experience

My primary research focus has been the **Hawaiian Islands** (1998 – present). My working Hawaiian collections include ~700 species of Diptera, 450 of which are Drosophilidae. I have extensive field experience in **Mexico** (1994 – 2010) and the continental **United States** (Arizona, California, Delaware, Illinois, Michigan, Montana, Nebraska, Nevada, New Mexico, New York, Oregon, Utah, Vermont, Wisconsin). Other fieldwork includes **Australia** (2002, 2011), **Costa Rica** (1997, 2003), **Ecuador** (1997), and **French Polynesia** (2006, 2015-2016). I have spent time examining Diptera at the following institutions: American Museum of Natural History, Bernice P. Bishop Museum, National *Drosophila* Species Stock Center, Australian National Museum, National Museum of Natural History, and University of Hawaii.

Publications

Peer-Reviewed

- xx. Anholt, RRH, Wolfner, MF, O'Grady, PM and Harbison, ST. *In review*. Evolution of Behavior. Genetics (Flybook)
71. Stauffer, NJ, O'Grady, PM and Resh, V. 2019. Population structure of *Baetis* (Ephemeroptera: Baetidae) species from Northern and Southern California. *Western North American Naturalist* 79(2):204-218.
70. Rice, G, David, J, Kamimura, Y, Masly, J, Mcgregor, A, Nagy, O, Noselli, S, Santos Nunes, MD, O'Grady, PM, Sanchez-Herrero, E, Siegal, M, Toda, M, Rebeiz, M, Courtier-Orgogozo, V, and Yassin, A. 2019. A standardized nomenclature and atlas of the male terminalia of *Drosophila melanogaster*. Fly (preprint: <https://www.preprints.org/manuscript/201906.0071/v1>).
69. Hiller, AE, Koo, MS, Goodman, KR, Shaw, KL, O'Grady, PM, Gillespie, RG. 2019. Niche conservatism predominates in adaptive radiation: comparing the diversification of Hawaiian arthropods using ecological niche modelling. *Biological Journal of the Linnean Society* 127(2): 479-492.
68. Huang, J, Wang, Y, O'Grady, PM, Su, Y, and Chen, H. 2018. The genus *Leucophenga* (Diptera: Drosophilidae), part VIII: Twenty-one species from the Oriental Region, with morphological and molecular evidence. *Zootaxa*: 4503: 1-70.
67. O'Grady, PM and DeSalle, R. 2018. Hawaiian *Drosophila* as an Evolutionary Model Clade: Days of Future Past. *Bioessays* DOI: 10.1002/bies.201700246
66. O'Grady, PM and DeSalle, R. 2018. Phylogeny of the Genus *Drosophila*. *Genetics: Genetics (Flybook)* 209:1-25.
65. Peterson, MG, O'Grady, PM and Resh, VH. 2017. Phylogeographic comparison of five large-bodied aquatic insect species across the western United States. *Freshwater Science* 36(4): 823-837.
64. Stauffer, NJ, O'Grady, PM and Resh, VH. 2017. Temporal patterns in *Baetis tricaudatus* (Ephemeroptera: Baetidae) in the Russian River, Northern California. *Freshwater Science* 36(2): 351-363
63. Goodman, K, Evenhuis, NL, Bartosova-Sojkova, P, and O'Grady, PM. 2016. Multiple colonizations of the Hawaiian Islands by the family Dolichopodidae (Diptera), with a phylogeny of the *Eurynogaster* complex. *PeerJ* 4:e2704. DOI 10.7717/peerj.2704
62. O'Grady, PM and Pak, N. 2016. Studies in Hawaiian Diptera III: New Distributional Records for Endemic Canacidae and a New Species of Procanace. *Biodiversity Data Journal* 4: e5611
61. Rominger, A, Goodman, K, Lim, JL, Armstrong, E., Becking, L.E., Bennett, G, Brewer, M, Cotoras, D, Ewing, C, Harte, J, Martinez, N, O'Grady, PM, Percy, D, Price, D, Roderick, G, Shaw, K, Valdovinos, F, Gruner, D, and Gillespie, R. 2015. Community assembly on isolated islands: Macroecology meets evolution. *Global Ecology and Biogeography* DOI: 10.1111/geb.12341.
60. Marrack, L, Beavers, S and O'Grady, PM. 2015. The effects of introduced species, habitat characteristics, and land use on Hawaiian anchialine pool biota. *Hydrobiologia*. DOI 10.1007/s10750-015-2277-2.
59. Lapoint, RT, Magnacca, KN, and O'Grady, PM. 2014. Phylogenetics of

- the *antopocerus-modified tarsus* clade of Hawaiian *Drosophila*: Diversification across the Hawaiian Islands. PLoS ONE 9(11): e113227.
58. O'Connor, T, Humphrey, R, Lapoint, RT, Whiteman, NK and O'Grady, PM. 2014. Microbial symbioses in the ecology and evolution of Hawaiian Drosophilidae. *Frontiers in Microbiology*
 57. Goodman, K., Evenhuis, NL., Bartosova-Sojkova, P., and O'Grady, PM. 2014. Diversification in Hawaiian long-legged flies (Diptera: Dolichopodidae: *Campsicnemus*): Biogeographic Isolation and Ecological Adaptation. *Molecular Phylogenetics and Evolution* 81: 232-241.
 56. O'Grady, PM, Arakaki, K and Evenhuis, NL. 2014. Studies in Hawaiian Diptera II: New distributional records for endemic *Scatella* (Ephydriidae). *Biodiversity Data Journal* 2:e1110.
 55. O'Grady, PM and Magnacca, KN. 2014. Studies in Hawaiian Diptera I: New distributional records for endemic *Asteia* (Asteiidae). *Biodiversity Data Journal* 2:e1010.
 54. Goodman, K. and O'Grady, PM. 2013. Molecular phylogeny and biogeography of the Hawaiian craneflies *Dicranomyia* (Diptera: Limoniidae). *PLoS One* 8(9): e73019.
 53. Lapoint, RT, O'Grady, PM and Whiteman, NK. 2013. Diversification and dispersal on the Hawaiian Drosophilidae: the evolution of *Scaptomyza*. *Molecular Phylogenetics and Evolution* 69(1): 95-108.
 52. Bennett, GM and O'Grady, PM. 2013. Historical biogeography and ecological opportunity in the adaptive radiation of native Hawaiian leafhoppers (Cicadellidae: *Nesophrosyne*). *Journal of Biogeography* 40(8): 1512-1523.
 51. Bennett, GM and O'Grady, PM. 2012. Host plants shape insect diversity: origins, diversity, and host plant associations of the native Hawaiian leafhoppers (Cicadellidae: *Nesophrosyne*). *Molecular Phylogenetics and Evolution* 65(2): 705-717.
 50. Ort, BS, Bantay, RM, Pantoja, NA, and O'Grady, PM. 2012. Fungal Diversity Associated with Hawaiian *Drosophila* Host Plants. *PLoS One*: 10.1371/journal.pone.0040550
 49. Bennett, GM, Pantoja, NA, and O'Grady, PM. 2012. Diversity and phylogenetic relationships of *Wolbachia* in *Drosophila* and other native Hawaiian insects. *Fly*: 6(4) 273-283.
 48. Oliveira, DCSG, Almeida, FC, O'Grady, PM, Armella, MA, DeSalle, R, and Etges, WJ. 2012. Monophyly, divergence times, and evolution of host plant use inferred from a revised phylogeny of the *Drosophila repleta* species group. *Molecular Phylogenetics and Evolution*, 64: 533-44.
 47. Obbard, DJ, Maclennan, J, Kim, K-W, Rambaut, A, O'Grady, PM and Jiggins, FM. 2012. Estimating divergence dates and substitution rates in the *Drosophila* phylogeny. *Molecular Biology and Evolution*, 29(11): 3459-3473.
 46. Bennett, GM and O'Grady, PM. 2011. Synopsis of the native Hawaiian leafhopper genus *Nesophrosyne* (Hemiptera: Cicadellidae: Deltocephalinae) with descriptions of eight new species associated with *Broussaisia arguta*. *Zootaxa*, 2805: 1-25.
 45. Lapoint, RT, Gidaya, A, and O'Grady, PM. 2011. Phylogenetic relationships

- in the spoon tarsus subgroup of Hawaiian *Drosophila*; Conflict and concordance between gene trees. *Molecular Phylogenetics and Evolution*, 58: 492-501.
44. O'Grady, PM, Lapoint, RT, Bonacum, J, Lasola, J., Owen, E., Wu, Y., and DeSalle, R. 2011. Phylogenetic and ecological relationships of the Hawaiian *Drosophila* inferred by mitochondrial DNA analysis. *Molecular Phylogenetics and Evolution*, 58: 244-256.
 43. Yassin, A, Markow, TA, Narechania, A., O'Grady, PM, DeSalle, R. 2010. A plea for character-based DNA barcoding: Insights from the Drosophilidae. *Molecular Phylogenetics and Evolution* 57: 509-517.
 42. Mouser, PJ, Rizzo, DM, Druschel, G, Hayden, N, O'Grady, PM, and Stevens, L. 2010. Microbial community profiles enhance detection of groundwater contamination from leaking waste disposal sites. *Water Resources Research* 46: W12506.
 41. O'Grady, PM, Magnacca, KN, and Lapoint, RT. 2010. Taxonomic relationships within the endemic Hawaiian Drosophilidae. *Records of the Hawaii Biological Survey* 108: 3-35.
 40. O'Grady, PM. 2010. Whither *Drosophila*? *Genetics* 185: 703-705.
 39. Evenhuis, NL and O'Grady, PM. 2010. Morphological and molecular evidence to support the synonymy of *Emperoptera* Grimshaw with *Campsicnemus* Halliday (Diptera: Dolichopodidae). *Records of the Hawaii Biological Survey* 108: 36-44.
 38. Leblanc, L., O'Grady, PM, Rubinoff, D., Montgomery, SL. 2009. New immigrant Drosophilidae in Hawaii, and a checklist of the established immigrant species. *Proceedings of the Hawaiian Entomological Society* 41: 121-127.
 37. Stark, JB, and O'Grady, PM. 2009. Morphological variation in the forelegs of Hawaiian Drosophilidae. I The AMC clade. *Journal of Morphology* 271: 86-103.
 36. Magnacca, KN and O'Grady, PM. 2009. Revision of the *modified mouthparts* species group of Hawaiian *Drosophila* (Diptera: Drosophilidae): The *ceratostoma*, *freycinetiae*, *semifuscata*, and *setiger* subgroups and unplaced species. *University of California Publications in Entomology* 130: 1-94.
 35. Lapoint, RT, Magnacca, KN, and O'Grady, PM. 2009. Review of the *spoon tarsus* subgroup of Hawaiian *Drosophila* (Drosophilidae: Diptera), with a description of one new species. *Zootaxa* 2003: 58-63.
 34. Almeida, RPP, Bennett, GM, Anhalt, M, Tsai, C-W, and O'Grady, PM. 2009. Spread of an introduced vector-borne banana virus in Hawai'i *Molecular Ecology* 18: 136-146.
 33. Rosenfeld, J. R., DeSalle, R., Lee, E., and O'Grady, P. M. 2008. Using whole genome presence/absence data to untangle function in 12 *Drosophila* genomes. *Fly* 2:291-299.
 32. Oliveira, DSCG, Leonidas, M, Etges, WJ, O'Grady, PM, and DeSalle, R. 2008. Species delimitation in the *Drosophila aldrichi* subcluster (Diptera: Drosophilidae) using DNA sequences. *Zootaxa* 1725: 37-37.
 31. O'Grady, PM, Lapoint, RT, and Bennett, GM. 2008. The potential and peril of

- the supertree approach: A response to van der Linde and Houle. *Insect Systematics and Evolution* 39: 269-280.
30. O'Grady, PM and DeSalle, R. 2008. Out of Hawaii: The biogeographic history of the genus *Scaptomyza* (Diptera: Drosophilidae). *Biology Letters* 4(2): 195-199.
 29. Nitta, JH and O'Grady, PM. 2008. Mitochondrial phylogeny of the endemic Hawaiian craneflies (Diptera, Limoniidae, Dicranomyia): Implications for biogeography and species formation. *Molecular Phylogenetics and Evolution* 46(3): 1182-1190.
 28. Magnacca, KN, Foote, D., and O'Grady, PM. 2008. A review of the endemic Hawaiian Drosophilidae and their host plants. *Zootaxa* 1728: 1-58.
 27. Magnacca, KN and O'Grady, PM. 2008. New combinations in Hawaiian *Drosophila* and *Scaptomyza* (Diptera: Drosophilidae). *Zootaxa* 1926: 53-60.
 26. Magnacca, KN and O'Grady, PM. 2008. Revision of the *nudidrosophila* and *ateledrosophila* species groups of Hawaiian *Drosophila* (Diptera: Drosophilidae) with descriptions of twenty-two new species. *Systematic Entomology* 33(2): 395-428.
 25. *Drosophila* Chromosome Working Group. 2008. Polytene chromosome maps of 11 *Drosophila* species: The order of genomic scaffolds inferred from genetic and physical maps. *Genetics* 179: 1601-1655.
 24. *Drosophila* 12 Genomes Consortium. 2007. Evolution of genes and genomes on the *Drosophila* phylogeny. *Nature* 350: 203-218.
 23. Magnacca, KN and O'Grady, PM. 2006. A subgroup structure for the *modified mouthparts* group of Hawaiian *Drosophila*. *Proceedings of the Hawaiian Entomological Society* 38: 87-101.
 22. Oliveira, DCSG, O'Grady, PM, Etges, WJ, Heed, WB, and DeSalle, R. 2005. Systematics and geographical distribution of the *Drosophila longicornis* species complex (Diptera: Drosophilidae: *repleta* species group). *Zootaxa* 1069: 1-32.
 21. Bonacum, J, Kambysellis, M, O'Grady, PM, and DeSalle, R. 2005. Phylogeny and age of diversification of the *planitibia* species group of Hawaiian *Drosophila*. *Molecular Phylogenetics and Evolution* 37:73-82.
 20. O'Grady, PM. and Zilversmit, M. 2004. Phylogenetic relationships within the *haleakalae* species group inferred by molecular and morphological characters (Diptera: Drosophilidae). *Bishop Museum Bulletins in Entomology* 10: 117-134. Bishop Museum Press.
 19. Oliveira, DCSG, Wintermute, EH, Etges, WJ, Heed, WB, O'Grady, PM, and DeSalle, R. 2003. Hierarchical structure in the *Drosophila mojavensis* cluster (Diptera: Drosophilidae). *Hereditas*, 139: 223-227.
 18. O'Grady, PM, Kam, MWY, Val, FC, Pereira, W. 2003. Revision of the *Drosophila mimica* subgroup, with descriptions of ten new species. *Annals of the Entomological Society of America*: 96(1): 12-38.
 17. O'Grady, PM, Bonacum, J, and Val, FC. 2003. The placement of the *Engiscaptomyza*, *Grimshawomyia*, and *Titanochaeta*, three clades of endemic Hawaiian Drosophilidae. *Zootaxa* 159: 1-16.
 16. DeSalle, R, Branham, MA, O'Grady, PM. and Gatesy, J. 2003. The evolution

- of the Hom-C homeobox cluster in the Dipteran family Drosophilidae. *Insect Molecular Biology* 12(4): 345-351.
15. Remsen, J, and O'Grady, PM. 2002. Phylogeny of Drosophilidae (Diptera), with comments on combined analysis and character support. *Molecular Phylogenetics and Evolution* 24(2): 248-263.
 14. O'Grady, PM, Vela, D, and Rafael, V. 2002. *Zygothrica desallei*: A new species of Drosophilidae (Diptera) from Ecuador. *Annals of the Entomological Society of America* 31(3): 314-315.
 13. O'Grady, PM, Beardsley, JW, and Perreira, WD. 2002. New records for introduced Drosophilidae (Diptera) in Hawai'i. *Bishop Museum Occasional Papers* 65: 34-35.
 12. O'Grady, PM, Durando, CM, Heed, WB, Wasserman, M, Etges, W, and DeSalle, R. 2002. Genetic divergence within the *Drosophila mayaguana* subcluster, a closely related triad of Caribbean species in the *repleta* species group. *Hereditas*: 136(3): 240-226.
 11. O'Grady, PM, and Kidwell, MG. 2002. Phylogeny of the subgenus *Sophophora* (Diptera: Drosophilidae) inferred using the 28S, alcohol dehydrogenase, and cytochrome oxidase II genes. *Molecular Phylogenetics and Evolution*: 22(3): 442-453.
 10. O'Grady, PM. 2002. Notes on the nomenclature of the endemic Hawaiian Drosophilidae. *Bishop Museum Occasional Papers* 65: 36-40.
 9. O'Grady, PM, Val, FC, Hardy, DE, and Kaneshiro, KY. 2001. The *rustica* species group of Hawaiian *Drosophila* (Diptera: Drosophilidae). *Pan-Pacific Entomologist* 77(4): 254-260.
 8. O'Grady, PM, Baker, RH, Durando, CM, Etges, WJ, DeSalle, R. 2001. Polytene chromosomes as indicators of phylogeny in several species groups of *Drosophila*. *BMC Evolutionary Biology* 1:6.
<http://www.biomedcentral.com/1471-2148/1/6/>
 7. Hardy, DE, Kaneshiro, KY, Val, FC, and O'Grady, PM. 2001. Review of the *haleakalae* species group of Hawaiian *Drosophila* (Diptera: Drosophilidae). *Bishop Museum Bulletin in Entomology* 9: 1-88. Bishop Museum Press.
 6. Etges, WJ, Armella, MA, O'Grady, PM, and Heed, WB. 2001. Two new species of *Drosophila* (Diptera; Drosophilidae) in the *repleta* group from Mexico. *Annals of the Entomological Society of America* 94(1): 16-20.
 5. Heed WB, and O'Grady, PM. 2000. *Drosophila maya*, a new Neotropical member of the *Drosophila obscura* species group. *Journal of the New York Entomological Society* 108(1-2): 97-104.
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(2016 – present shown)

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45. Species Interactions and adaptive radiation in Hawaiian insects, plants and microbes, Department of Entomology, Cornell University, April 2017.
 44. Species Interactions and adaptive radiation in Hawaiian insects, plants and microbes, Department of Entomology, University of Arizona, December 2016.
 43. Ecology in the Genus *Drosophila*. *Drosophila* Genetics and Genomics Conference, Wellcome Genome Campus, Cambridge, Hinxton, UK, July 2016.
 42. Species Interactions and adaptive radiation in Hawaiian insects, plants and microbes, Department of Entomology, UC Davis. February 2016.
 41. Understanding and Preserving Biodiversity in a Changing World, UC Berkeley College of Natural Resources Advisory Board Meeting, April 2016.

Abstracts and Presentations

(2016 – present shown)

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61. Dizon, K, Verduzco, I., and O'Grady PM. 2017. Phylogeny and Biogeography in the Craneflies (Diptera: Tipulomorpha). UC Berkeley Honors Symposium, Berkeley, CA.
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