

## CURRICULUM VITAE

### ROSEMARY G. GILLESPIE

Environmental Science, Policy and Management (ESPM)

130 Mulford Hall, MC 3114

University of California, Berkeley, CA 94720-3114

[gillespie@berkeley.edu](mailto:gillespie@berkeley.edu), 510.642.3445

<http://nature.berkeley.edu/evolab>

**Research specialization:** *Evolutionary biology and conservation of arthropods on islands*

### Education:

PhD, Zoology, 1986. University of Tennessee. Advisor: S.E. Riechert

BSc Hons, Zoology, 1980. Edinburgh University. Advisor: N.P. Ashmole

### Current Position and Titles

Professor, Dept. Environmental Science, University of California, Berkeley, 2002-present;

Associate Professor, 1999-2002

Miller Research Professor, University of California, Berkeley, 2019-2020

William M. and Esther G. Schlinger Chair in Systematic Entomology, Dept. Environmental Science, Policy and Management, University of California, Berkeley, 1999-present

Director, Essig Museum of Entomology, University of California, Berkeley, 2018-present

Co-lead, Berkeley Initiative for Global Change Biology (BiGCB), Univ. of California, Berkeley, 2009-present

### Prior Professional Experience

Director, Essig Museum of Entomology, University of California, Berkeley, 1999-2013

Chair, Berkeley Natural History Museums, University of California, Berkeley, 2004-2012

Chair, Graduate Program in Ecology, Evolution and Conservation Biology, University of Hawaii, 1998-1999; Vice Chair 1994-1998

Associate Professor of Zoology & Associate Researcher, Center for Conservation Research & Training, Pacific Biomedical Research Center, University of Hawaii, 1997-1999; Assistant Professor & Researcher, 1992-1997

Graduate Faculty, Department of Entomology, University of Hawaii, 1994-1999

Research Associate, Bishop Museum, Honolulu, 1993-present

Postdoctoral Fellow, Smithsonian Institution, 1992-1993

Assistant Researcher, Hawaiian Evolutionary Biology Program, University of Hawaii, Manoa, 1991-1992

Postdoctoral Fellow, Department of Zoology, University of Hawaii, Manoa, 1990-1991

Assistant Professor of Zoology, University of Hawaii, Manoa, 1989-1990

Assistant Professor of Biology, University of the South, Sewanee, Tennessee, Jan-July 1987; 1988-1989

Postdoctoral Fellow, Department of Entomology, University of Hawaii, Manoa, 1987-1988

Postdoctoral Fellow, Department of Zoology, University of California, Berkeley, 1986  
Research/ Teaching Assistant, Department of Zoology, University of Tennessee, 1982-1986

## Elected Offices

President, American Genetics Association (AGA), 2018-2019; President-elect 2016-2018.  
President, International Biogeography Society (IBS), 2013-2015; President-elect, 2011-2013  
Board of Trustees, California Academy of Sciences, 2008-2017  
President, American Arachnological Society, 2009-2011; President-elect, 2007-2009  
Council, American Genetics Association, 2007-2010  
Treasurer and Board Member, International Society of Arachnology, 2004-2011  
Board of Directors, Natural Science Collections Alliance, 2006-2009

## Honors and Awards

**Miller Professorship**, University of California at Berkeley, 2019-2020  
**Wallace Award, International Biogeography Society**, 2019. In recognition of a lifetime of outstanding contributions by an eminent scholar in any subdiscipline of biogeography  
**American Academy of Arts and Sciences**, elected April 2018. Induction at the House of the Academy, Cambridge, Mass, Oct 2018  
**Notable UTK Woman Award** for 2013. For a woman who is an alumna of the University of Tennessee, Knoxville, for outstanding accomplishments and contributions.  
Voted one of Twitter's "45 most influential female ecologists alive today" (2014),  
<http://www.southernfriedscience.com/?p=16677>  
**US Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring**, 2005  
**Regent's Medal for Excellence in Research**, University of Hawaii, 1999  
**Entomologist of the Year**, Hawaiian Entomological Society, 1999  
Member, *Faculty of 1000*, 2010-present  
Fellow, Royal Entomological Society (UK), 2001-present  
Fellow, California Academy of Sciences, 2000-present  
*Sigma Xi*, University of Hawaii, 1992

## Grants last 10 years (PI except where noted):

### Extramural

NSF: IMEMEBBA Workshop: Insights from Macro-Ecology and Macro-Evolution for Biodiversity Assessment (PI). )9/21-8/23. \$98,860  
Dept of Defense: Strategic Environmental Research & Development Program Next Generation Biosecurity Monitoring of Invasive Alien Arthropod Species (co-PI; PI George Roderick). 05/2021- 01/2025. \$2,963,770.  
France Berkeley Fund: *The hidden side of Heaven: evolutionary story of Hawaiian lava caves' wolf spiders* (PI; co-PI Julien Petillon, Université de Rennes). 2019-2020, \$11,000  
IIBR RoL: Collaborative Research: *A Rules Of Life (RoLE) Model to Uncover Fundamental Processes Governing Biodiversity* (co-PI, PI AJ Rominger) 2019-2022, \$112,937

- Peder Sather Grant, *Genomics of Convergent Invertebrate Morphology*, 2019-2020, \$24,000. PI
- Jean Monnet Center of Excellence, Workshop on *Latitudinal Gradients in Global Biodiversity*, 2018-2020, \$16,000, PI
- German Centre for Integrative Biodiversity Research (iDiv) Synthesis Centre for Biodiversity Sciences (sDiv): *sEcoEvo: Biodiversity Dynamics – The Nexus Between Space & Time*. \$30,000 for workshop. PI (co-PI Mike Hickerson)
- German Centre for Integrative Biodiversity Research (iDiv) Synthesis Centre for Biodiversity Sciences (sDiv): *sELDiG: Explaining the Latitudinal Diversity Gradient: synthesizing knowledge via data-driven mechanistic modeling* \$30,000 for workshop. Co-PI (PI Allen Hurlbert)
- Convergence ROL: RCN: *Cross-Scale Processes Impacting Biodiversity*. \$499,713.00. Senior Personnel. (PI Ana Carnaval, Bette Loiselle, Renato Figueiredo, Jeannine Cavender-Bares).
- Department of Energy, Systems Biology Enabled Research on the Roles of Microbial Communities in Carbon Cycle Processes. *Directing traffic in the rhizosphere: how phage and fauna shape the flow and fate of root carbon through microbial pathways* (co-PI, PI Mary Firestone), 2016-2021. \$2,244,658.
- Fundação Luso-Americana. *Interplay Between Ecology & Evolution In Species Diversification*, 2016. €11,150.00
- Fundação para a Ciência e a Tecnologia: FCT. *Macaronesian Islands as a testing ground to assess biodiversity drivers at multiple scales*. 2015-2018. (consultant, PI Paulo Borges); € 197.628,00
- National Science Foundation DEB 1457845. *A Biotic Inventory of Terrestrial Vertebrates, Spiders, and Haemosporidian Parasites of Sulawesi, Indonesia* (co-PI, PI J. McGuire) 2015-2019, \$890,580
- ANR Competitive Grants Program. *Quantifying ecological effects of land use and climate change using historical collections* (co-PI, PI K. Will) 2014-2018, \$268,038.
- National Science Foundation DEB 1241253. *Dimensions: Collaborative Research: A community level approach to understanding speciation in Hawaiian lineages*. (PI; co-PIs John Harte, Rasmus Nielsen, Patrick O'Grady), 2013-2018, \$1,181,407 to UC Berkeley (collaborators in Cornell, University of Hawaii Hilo, U Maryland, Pacific Ecoinformatics, for a total award of \$1,999,910).
- Keck Foundation. *Informatics Engine for Understanding Biotic Response to Global Change*. (Lead PI with Charles Marshall; co-PIs Michelle Koo, Maggi Kelly, Joyce Gross), 2012-2015. \$1,500,000.
- Moore Foundation. *Berkeley Initiative for Global Change Biology*. (Lead PI with Charles Marshall), 2011-2013. \$2,500,000.
- Fondation pour la Recherche sur la Biodiversité: *Community Assembly on Remote Islands: Does Equilibrium Theory Apply?* (co-PI, PI Christophe Thébaud); 2012-2015. €200,000.
- National Science Foundation DBI-0956389 *Collaborative Research: CalBug, an interactive database using arthropods to examine impacts of climate change and habitat modification* (PI; co-PIs J. Powell, K. Will, V. Resh, G. Roderick), 2010-2015, \$975,253 to UC Berkeley (total budget \$1,542,513).

- France Berkeley Fund: *Community Assembly on Islands: Role of Random versus Deterministic Effects* (PI; co-PI Christophe Thébaud, Université Paul Sabatier, Toulouse). 2009-2010, \$10,000
- National Science Foundation: Population and Evolutionary Processes *Genomics of repeatedly evolving color diversity in the polymorphic Hawaiian happy face spider* (PI; co-PIs M. Eisen, N. Patel, G. Oxford), 2009-2013, \$697,463 (+ \$7,000 REU supplement)
- National Science Foundation, DISSERTATION RESEARCH: How Ecological, Behavioral, and Morphological Traits Have Shaped Diversification Patterns in Assassin Spiders. (for graduate student Hannah Wood), 2009-2010, \$14,650.
- National Science Foundation, DISSERTATION RESEARCH: Islands underground: species limits, phylogenetics, and conservation of *Neoleptoneta* spiders in Texas caves, (for graduate student Joel Ledford), 2009-2010, \$14,194.
- National Science Foundation, PBI: Collaborative Research: *The Megadiverse, Microdistributed Spider Family Oonopidae* (NI Platnick, PI, American Museum Natural History, R. Gillespie, C. Griswold, P. Sierwald, G. Hormiga), 2006-2011, \$2,999,994. REU supplement (2007), \$6,000
- National Science Foundation. *Track 2: GK-12: Exploring California Biodiversity* (R. Gillespie, PI, B. Mishler, M. Power, C. Moritz, G. Roderick), 2006-2011, \$1,983,225

#### Intramural

- California Conservation Genomics Project (CCGP). *Latrodectus hesperus* (Araneae, Theridiidae) \$50,238.00
- Berkeley Institute for Data Science. Detecting Change in Global Biodiversity through Large Scale Network Analysis (co-PI with Carl Boettiger) \$67,000
- Vice Chancellor for Research, Global Change Biology Initiative, 2010-2012, \$300,000.
- Institute for International Studies, *Coupling Biodiversity Dynamics and Human Impacts in the Islands of Polynesia* (PI, co-PIs Pat Kirch, Bruce Baldwin) 2010-2012. \$53,400

#### Refereed Journal Publications - h-index 56; i10-index 152

- Cerca, José, Ellie E. Armstrong, Joel Morata Vizueta, Rosa Fernandez, Michael D. Martin, Bent Petersen, Stefan Prost, Mark Blaxter, J. Rosas, Dmitri Petrov, **Rosemary G. Gillespie**. 2021. The *Tetragnatha kauaiensis* genome sheds light on the origins of genomic novelty in spiders. *Genome Biology and Evolution*, in press.
- Lim, Jun Ying, Jairo Patiño, Suzuki Noriyuki, Luis Cateyano Simmari, **Rosemary G. Gillespie**, and Henrik Krehenwinkel. 2020. Climatic niche conservatism shapes the ecological assembly of Hawaiian arthropod communities." *bioRxiv* and *Molecular Ecology*
- Armstrong, Ellie E., Benoît Perez-Lamarque, Ke Bi, Cerise Chen, Leontine E. Becking, Jun Ying Lim, Tyler Linderoth, Henrik Krehenwinkel, and **Rosemary G. Gillespie**. "A holobiont view of island biogeography: unraveling patterns driving the nascent diversification of a Hawaiian spider and its microbial associates." *bioRxiv* and *Molecular Ecology*, in press.
- Perez-Lamarque, Benoit, Henrik Krehenwinkel, Rosemary Gillespie, and Hélène Morlon. 2021. Limited evidence for microbial transmission in the phyllosymbiosis between Hawaiian spiders and their microbiota. *mSystems* in press.

- Overcast, I., Ruffley, M., Rosindell, J., Harmon, L., Borges, P. A.V., Etienne, R. S., **Gillespie, R. G.**, Krehenwinkel, H., Mahler, D. L., Massol, F., Parent, C.E., Patiño, J., Peter, B., Week, B., Wagner, C., Hickerson, M.J., Rominger, A. 2021. A unified model of species abundance, genetic diversity, and functional diversity reveals the mechanisms structuring ecological communities. *Molecular Ecology Resources*. 00: 1-19.
- Berger, Cory Ailin; Michael S Brewer; Nobuaki Kono; Hiroyuki Nakamura; Kazuharu Arakawa; Susan R Kennedy; Hannah M Wood; Seira A Adams; **Rosemary G Gillespie**. 2021. Shifts in morphology, gene expression, and selection underlie web loss in Hawaiian *Tetragnatha* spiders. *BMC Evolutionary Biology*. 21 (1), 1-17
- Adams, SA, Gerbault, M., Schulz, S, **Gillespie, RG**, Uhl, G. 2021. Chemical Species Recognition in a *Tetragnatha* Spider (Araneae: Tetragnathidae). *Journal of Chemical Ecology* 47(1), pp.63-72
- Sheffer, Monica M.; Anica Hoppe; Henrik Krehenwinkel; Gabriele Uhl; Andreas W. Kuss; Lars Jensen; Corinna Jensen; **Rosemary G. Gillespie**; Katharina J. Hoff; Stefan Prost. 2021. Chromosome-level reference genome of the European wasp spider *Argiope bruennichi*: a resource for studies on range expansion and evolutionary adaptation. *GigaScience*. 10, no. 1: giaa148
- Graham, N.R., Gillespie, R.G. and Krehenwinkel, H., 2021. Towards Eradicating the Nuisance of Numts and Noise in Molecular Biodiversity Assessment. *Molecular Ecology Resources*.
- Marden, Emily, Richard J. Abbott, Frédéric Austerlitz, Daniel Ortiz-Barrientos, Regina S. Baucom, Pim Bongaerts, Aurélie Bonin, Camille Bonneaud, Luke Browne, C. Alex Buerkle, Ana L. Caicedo, David W. Coltman, Mitchell B. Cruzan, Angus Davison, J. Andrew DeWoody, Alex J. Dumbrell, Brent C. Emerson, Nicholas M. Fountain-Jones, **Rosemary Gillespie**, Tatiana Giraud, Michael M. Hansen, Kathryn A. Hodgins, Myriam Heuertz, Shotaro Hirase, Rebecca Hooper, Paul Hohenlohe, Nolan C. Kane, Joanna L. Kelley, Andrew P. Kinziger, Valerie J. McKenzie, Corrie S. Moreau, Alison G. Nazareno, Tara A. Pelletier, Josephine M. Pemberton, Yanhua Qu, Sébastien Renaut, Cynthia Riginos, Naiara Rodríguez-Ezpeleta, Sean M. Rogers, Jacob A. Russell, Sean D. Schoville, Suhua Shi, Megan Smith, Victoria L. Sork, Graham N. Stone, Pierre Taberlet, Elin Videvall, Lisette Waits. 2021. Sharing and reporting benefits from biodiversity research. *Molecular Ecology* (2020) 1-5.
- Bellvert, Adria, **Gillespie, R.G.**, Arnedo, M.A. 2021. A happy family: Systematic revision of the endemic *Theridion* spiders (Araneae, Theridiidae). *Invertebrate Systematics* 35(1), pp.1-58
- Gillespie, R.G.**, Bennett, G.M., De Meester, L., Feder, J.L., Fleischer, R.C., Harmon, L.J., Hendry, A.P., Knope, M.L., Mallet, J., Martin, C., Parent, C.E., Austin H Patton, A.H., Pfennig, K.S., Rubinoff, D., Schluter, D., Seehausen, O., Shaw, K.L., Stacy, E., Stervander, M., Stroud, J.T., Wagner, C., Wogan, G.O.U. 2020. Comparing adaptive radiations across space, time, and taxa. *Journal of Heredity*, 111(1), pp.1-20.
- Kennedy, SR; Prost, S.; Overcast, I; Rominger, A.J.; **Gillespie, R.G.**; Krehenwinkel, H. 2020. High throughput sequencing for community analysis: The promise of DNA barcoding to uncover diversity, relatedness, abundances and interactions in spider communities. *Development Genes and Evolution* 230, pp. 185–201.
- Leeuw, C. de, **Gillespie, R. G.**, Maas, D., Peijnenburg, K., and L. Becking. 2020. First come, first served: possible role for priority effects in marine populations under different degrees of dispersal potential. *Journal of Biogeography*, 47(8), pp.1649-1662.

- de Kerdrel Guillemette, A., Andersen, J.C., Kennedy, S.R., **Gillespie, R.G.**, and Krehenwinkel, H. 2020. Rapid and cost-effective generation of single specimen multilocus barcoding data from whole arthropod communities by multiple levels of multiplexing. *Scientific Reports* 10(1).
- Pétillon, J., Privet, K.; Roderick, G.K.; **Gillespie, R.G.**; Price, D.K. 2020. Non-native spiders change assemblages of Hawaiian forest fragment kipuka over space and time. *Neobiota* 55: pp. 1.
- Kennedy, SR, Tsau, S., **Gillespie, RG**, Krehenwinkel, H. 2020. Are you what you eat? A highly transient and prey-influenced gut microbiome in the grey house spider *Badumna longinqua*. *Molecular Ecology*, 29(5), pp.1001-1015.
- Gillespie, Rosemary G.**, and Robert J. Whittaker. 2020. Vicki Ann Funk (1947-2019): a short tribute. *Frontiers of Biogeography* (2020).
- Bakker, F.T., Antonelli, A., Clarke, J., Cook, J.A., Edwards, S.V., Ericson, P.G.P., Faurby, S., Ferrand, N., Gelang, M., **Gillespie, R.G.**, Irestedt, M., Lundin, K., Larsson, E., Matos-Maraví, P., Müller, J., Proschwitz, T.von, Roderick, G.K., Schliep, A., Wahlberg, N., Wiedenhoeft, J., Källersjö, M. 2019. The Global Museum: natural history collections and the future of evolutionary biology and public education. *PeerJ* 8, p.e8225.
- Krehenwinkel, H., Kennedy, S.R., Adams, S.A., Stephenson, G.T., Roy, K. **Gillespie, R.G.** 2019. Multiplex PCR targeting lineage specific SNPs - A highly efficient and simple approach to block out predator sequences in molecular gut content analysis. *Methods in Ecology and Evolution*, 10( 7): 982-993.
- McGill, Brian J.; Chase, Jonathan; Hortal, Joaquín; Overcast, Isaac; Rosindell, James; Borges, Paulo A. V.; Emerson, Brent C.; Etienne, Rampal; Hickerson, Michael J.; Mahler, Luke; Massol, Francois; McGaughan, Angela; Neves, Pedro; Parent, Christine; Ruffley, Megan; Wagner, Catherine E.; **Gillespie, Rosemary G.** 2019. Unifying macroecology and macroevolution to answer fundamental questions about biodiversity. *Global Ecology and Biogeography*. *Global Ecology and Biogeography*, 28(12), pp.1925-1936.
- Krehenwinkel, H., Meese, S., Mayer, C., Ruch, J., Schneider, J., Bilde, T., Künzel, S., Henderson, J.B., Russak, J. Simison, W.B., **Gillespie, R.G.** and Uhl, G. 2019. A guide to cost efficient microsatellite isolation and genotyping by next generation sequencing. *Journal Arachnology*, 47(2), pp.190-201.
- Goodman, Kari Roesch; Prost, Stefan; Bi, Ke; Brewer, Michael S., **Gillespie, Rosemary G.** 2019. Host And Geography Together Drive Early Adaptive Radiation Of Hawaiian Planthoppers. *Molecular Ecology*. 28(19), pp.4513-4528.
- Nelson, G., Karim, T., **Gillespie, R.**, Fortes, J., Jones, D. 2019. Reducing Dependence on Digital Biodiversity Data Silos Through Global Alignment and Collaboration *Biodiversity Information Science and Standards*, 3, e37897. DOI:10.3897/biss.3.37897
- Kennedy, S., Lim, J.Y., Clavel, J., Krehenwinkel, H., **Gillespie, R.G.** 2019. Spider webs, stable isotopes and molecular gut content analysis: Multiple lines of evidence support trophic niche differentiation in a community of Hawaiian spiders. *Functional Ecology* 33(9), pp.1722-1733
- Andersen, J., Oboyski, P., Davies, N., Charlat, S., Ewing, C., Meyer, C., Lim, J.Y., Suzuki, N., Ramage, T., **Gillespie, R.G.**, Roderick, G.K. 2019. Categorization of species as likely native or likely non-native using DNA barcodes without a complete reference library. *Ecological Applications*, e01914.

- Ponisio, L.C., Valdovinos, F., Allhoff, K.T., Gaiarsa, M., Barner, A., Guimaraes, P., Hembry, D.H., Morrison, B., **Gillespie, R.G.** 2019. A network perspective for community assembly. *Frontiers in Ecology and Evolution* 7, p.103.
- Hiller, Anna; Koo, Michelle; Goodman, Kari; Shaw, Kerry L; O'Grady, Patrick; **Gillespie, Rosemary G.** 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), pp.479-492
- Krehenwinkel, H., Pomerantz, A., Henderson, J.B., Kennedy, S.R., Lim, J.Y., Swamy, V., Shoobridge, J.D., Patel, N.H., **Gillespie, R.G.** and Prost, S., 2019. Nanopore sequencing of long ribosomal DNA amplicons enables portable and simple biodiversity assessments with high phylogenetic resolution across broad taxonomic scale. *GigaScience*, 8(5), p.giz006
- Chousou-Polydouri, N; Carmichael, A; Szűts, T; Saucedo-Mejia, A; **Gillespie, RG**; Griswold, C; Wood, H. 2019. Giant Goblins above the waves at the southern end of the world: the biogeography of the spider family Orsolobidae (Araneae, Dysderoidea) *Journal of Biogeography*. 46(2), pp.332-342.
- Pontarp, M., Bunnefeld, L., Cabral, J.S., Etienne, R.S., Fritz, S.A., **Gillespie, R.G.**, Graham, C.H., Hagen, O., Hartig, F., Huang, S., Jansson, R., Maliet, O., Münkemüller, T., Pellissier, L., Rangel, T.F., Storch, D., Wiegand, T., Hurlbert, A.H. 2018. The latitudinal diversity gradient - novel understanding through mechanistic eco-evolutionary models. *Trends in Ecology & Evolution* 34(3): 211-223.
- Krehenwinkel, Henrik, Susan R. Kennedy, Alexandra Rueda, Athena Lam, and Rosemary G. Gillespie. 2018. Scaling up DNA barcoding—Primer sets for simple and cost efficient arthropod systematics by multiplex PCR and Illumina amplicon sequencing. *Methods in Ecology and Evolution* 9, no. 11: 2181-2193
- Cotoras, D.O., Bi, K., Brewer, M.S., Lindberg, D.R., Prost, S, **Gillespie, R.G.** 2018 Co-occurrence of Ecologically Similar Species of Hawaiian Spiders Reveals Critical Early Phase of Adaptive Radiation. *BMC Evolutionary Biology* 18(1):100.
- Hembry DH, Raimundo RLG, Newman EA, Atkinson L, Guo C, Guimarães PR Jr, **Gillespie RG.** 2018. Does biological intimacy shape ecological network structure? A test using a brood pollination mutualism on continental and oceanic islands. *Journal of Animal Ecology* 87:1160-1171.
- Kennedy, Susan; Dawson, Todd; **Gillespie Rosemary G.** 2018. Stable isotopes reflect substrate properties and trophic ecology in spiders along a Hawaiian chronosequence. *PeerJ* 6: e4527.
- Maas, D.L., Prost, S., Bi, K., Smith, L., Armstrong, E.A., Aji, L.P., Toha, A.H.A., **Gillespie, R.G.**, Becking, L.E. 2018. Rapid divergence of mussel populations despite incomplete barriers to dispersal. *Molecular Ecology*, 27(7), pp.1556-1571
- Gillespie, R.G.**, Benjamin, S.P., Brewer, M.S., Rivera, M.A.J., Roderick, G.K. 2018. Repeated Diversification Of Ecomorphs In Hawaiian Stick Spiders. *Current Biology* 28(6), pp.941-947.
- Borges, P.A., Cardoso, P., Kreft, H., Whittaker, R.J., Fattorini, S., Emerson, B.C., Gil, A., **Gillespie, R.G.**, Matthews, T.J., Santos, A.M. and Steinbauer, M.J., 2018. Global Island Monitoring Scheme (GIMS): a proposal for the long-term coordinated survey and monitoring of native island forest biota. *Biodiversity and Conservation*.1-20.
- Krehenwinkel, H., Fong, M., Huang, E.G., Suzuki, N., Cayetano, L., Kennedy, S, **Gillespie, R.G.** 2018. The effect of DNA degradation bias in passive sampling devices on metabarcoding

- studies of arthropod communities and their associated microbiota. *PLoS one* 13 (1): e0189188.
- Zobel-Thropp, P.A., Bulger, E.A., Cordes, M.H., Binford, G.J., **Gillespie, R.G.** and Brewer, M.S., 2017. Sexually dimorphic venom proteins in long-jawed orb-weaving spiders (Tetragnatha) with potential roles in sexual interactions. *PeerJ*, 6, p.e4691.
- Cotoras, D. D., Murray, G.G.R., Kapp, J., **Gillespie, R.G.**, Griswold, C., Simison, W.B., Green, R.E., Shapiro, B. 2017. Ancient DNA resolves the history of *Tetragnatha* spiders on Rapa Nui. *Genes* 20:8(12).
- Krehenwinkel, Henrik, Wolf, Madeline, Lim, Jun Ying, Rominger, Andrew J., Simison, Warren B., **Gillespie, Rosemary G.** 2017. Estimating and mitigating amplification bias in qualitative and quantitative arthropod metabarcoding. *Scientific Reports*. 7(1), p.17668.
- Graham, N., Lim, J.Y., Gruner, DS, **Gillespie, R.G.** 2017. Island ecology and evolution: challenges in the Anthropocene. *Environmental Conservation*, 44(4) 323-335. DOI: 10.1017/S0376892917000315
- Gawryszewski, F., Calero Torralbo, M.A., **Gillespie, R.G.**, Rodríguez-Gironés Arbolí, M.A., Herberstein, M. 2017. Correlated evolution between colouration and ambush site in predators with visual prey lures. *Evolution* 71(8):2010-2021. doi: 10.1111/evo.13271.
- Gillespie, R.G.**, Brewer, M.S., Roderick, G.K. 2017. Ancient biogeography of generalist predators on remote oceanic islands. *Journal of Biogeography*, 44(5): 1098-1109. DOI: 10.1111/jbi.12967
- Claridge, E.M., **Gillespie, R.G.**, Brewer, M.S., Roderick, G.K. 2017. Stepping-stones across space and time: Repeated radiation of Pacific flightless broad-nosed weevils (Coleoptera: Curculionidae: Entiminae: *Rhyncogonus*). *Journal of Biogeography*, 44(4): 784–796. DOI: 10.1111/jbi.12901
- Krehenwinkel, H., Kennedy, S., Pekar, S., **Gillespie, R.G.** 2017. A cost efficient and simple protocol to enrich prey DNA from extractions of predatory arthropods for large scale gut content analysis by Illumina sequencing. *Methods in Ecology and Evolution* 8(1): 126-134 DOI:10.1111/2041-210X.12647.
- Cotoras, D.D., Brewer, M.S., Croucher, P.J.P, Oxford, G.S., Lindberg, D.R., **Gillespie, R.G.** 2016. Convergent evolution in the colour polymorphism of *Selkirkiella* spiders (Theridiidae) from the South American temperate rainforest. *Biological Journal of the Linnean Society*. 120(3): 649-663. DOI: 10.1111/bij.12908
- VanderSal-Jensen, N.D., Crews, S.C., **Gillespie, R.G.** 2016. Is Love In The Air Or At First Sight? Mate Finding Cues Used By Sympatric Male Velvet Ants (Hymenoptera: Mutillidae). *Invertebrate Biology*. 135(3): 200-210
- Steinbauer, M.J., Field, R., Grytnes, J.A, Trigas, P., Ah-Peng, C, Attorre, F., Birks, H.J.B., Borges, P.A.V., Cardoso, P., Chou, C.H., De Sanctis, M., de Sequeira, M.M., Duarte, M.C., Elias, R.B., Fernández-Palacios, J.M., Gabriel, R., Gereau, R.E., **Gillespie, R.G.**, Greimler, J. Harter, D.E.V., Huang, T.J., Irl, S.D.H., Jeanmonod, D., Jentsch, Jump, A.S., Kueffer, C., Nogue, S., Otto, R., Price, J., Romeiras, M.M., Strasberg, D., Stuessy, T., Svenning, J.C., Vetaas, O.R., Beierkuhnlein, C. 2016. Topography-driven isolation, speciation and a global increase of endemism with elevation. *Global Ecology and Biogeography*, 25, 1097–1107.

- Shaw, K.L. and **Gillespie, R.G.** 2016. Comparative phylogeography of oceanic archipelagos: Hotspots for inferences of evolutionary process. *Proceedings of the National Academy of Sciences* 113(29): 7986–7993.
- Binford, G.J., **Gillespie, R.G.**, Maddison, W. 2016. Sexual dimorphism in venom chemistry in *Tetragnatha* spiders is not easily explained by adult niche differences. *Toxicon* 114:45-52.
- Wood, H.W., Parkinson, D.Y., Griswold, C.E., **Gillespie, R.G.**, Elias, D.O. 2016. Repeated evolution of power-amplified predatory strikes in trap-jaw spiders (Araneae, Mecysmauchenidae). *Current Biology*, 26, 1–5.
- Gillespie, R.G.** 2016. Island time and the interplay between ecology & evolution in species diversification. *Evolutionary Applications*. 9(1), pp.53-73.
- Rominger, A.J., Goodman, K. R., Lim, J.Y., Valdovinos, F.S, Armstrong, E., Bennett, G. M., Brewer, M. S., Cotoras, D. D., Ewing, C. P., Harte, J., Martinez, N., O’Grady, P., Percy, D., Price, D., Roderick, G. K., Shaw, K., Gruner, D. S., **Gillespie, R. G.** 2016. Community assembly on isolated islands: Macroecology meets evolution. *Global Ecology and Biogeography* 25, 769–780. Invited contribution.
- Gillespie, R.G.** and H. Krehenwinkel. 2015. Evolution of ecological communities through the lens of an island chronosequence. *Genome* 58 (5), 221-221.
- Medeiros, M.J. and **R.G. Gillespie**. 2015. Geographic exploration within a highly niche conserved moth in the Hawaiian archipelago. *Biological Journal of the Linnean Society*. 116 (3): 495-506
- Harter, D.E.V., Irl, S.D.H., Seo, B., Steinbauer, M.J., **Gillespie, R.G.**, Triantis, K.A., Fernández-Palacios, J.-M., Beierkuhnlein, C. 2015. Impacts of global climate change on the floras of oceanic islands-projections, implications and current knowledge. *Perspectives in Plant Ecology, Evolution and Systematics*, 17(2): 160–183.
- Wood, H.W., **Gillespie, R.G.**, Griswold, C.E., Wainwright, P.C. 2015. Why is Madagascar special? The extraordinarily slow evolution of pelican spiders (Araneae, Archaeidae). *Evolution*, 69: 462–481
- Brewer, M.S., Carter, R., Croucher, P.J.P, **Gillespie, R.G.** 2015. Shifting Habitats, Morphology and Selective Pressures: Developmental Polyphenism in an Adaptive Radiation of Hawaiian Spiders. *Evolution*, 69: 162-178.
- Warren, B.H., Simberloff, D., Ricklefs, R.E., Aguilée, R., Condamine, F.L., Gravel, D., , Morlon, H., , Mouquet, N., Rosindell, J., Casquet, J., Conti, E., Cornuault, J., Fernández-Palacios, J.M. Hengl, T., Norder, S.J., Rijdsdijk, K.F., Sanmartín, I., Strasberg, D., Triantis, K., Valente, L.M., Whittaker, R.J., Emerson, B.C., **Gillespie, R.G.**, Thébaud, C. 2015. Islands as model systems in ecology and evolution: prospects fifty years after MacArthur-Wilson. *Ecology Letters*, 18: 200-217.
- Casquet, J., Bourgeois, Y., Cruaud, C., Gavory, F., **Gillespie, R.G.**, Thébaud, C. 2014. Community assembly on islands: a comparison of Hawaiian and Mascarene spiders. *Journal of Biogeography*. 42: 39-50. DOI:10.1111/jbi.12391
- Crews, S.C. and **R.G. Gillespie**. 2014. Desert salt flats as oases for the spider *Saltonia incerta* Banks (Araneae: Dictynidae). *Ecology and Evolution*, DOI: 10.1002/ece3.1242.
- Yim, K., Brewer M.S., Miller, C.T., **Gillespie, R.G.** 2014. Comparative Transcriptomics of Maturity-Associated Color Change in Hawaiian Spiders. *Journal of Heredity* 105 (S1): 771-781.

- Gillespie, R.G., Roderick G.K. 2014. Evolution: Geology and climate drive diversification. *Nature* 509:297-298
- Davies, N., Field, D., Amaral-Zettler, L., Clark, M.S., Deck, J., Drummond, A., Faith, D.P., Geller, J., Gilbert, J., Glöckner, F.O., Hirsch, P.R., Leong, J.-A., Meyer, C., Obst, M., Planes, S., Scholin, C., Vogler, A.P., Gates, R.D., Toonen, R., Berteaux-Lecellier, V., Barbier, M., Barker, K., Bertilsson, S., Bicak, M., Bietz, M.J., Bobe, J., Bodrossy, L., Borja, A., Coddington, J., Fuhrman, J., Gerds, G., Gillespie, R., Goodwin, K., Hanson, P.C., Hero, J.M., Hoekman, D., Jansson, J., Jeanthon, C., Kao, R., Klindworth, A., Knight, R., Kottmann, R., Koo, M.S., Kotoulas, G., Lowe, A.J., Marteinsson, V.T., Meyer, F., Morrison, N., Myrold, D.D., Pafilis, E., Parker, S., Parnell, J.J., Polymenakou, P.N., Ratnasingham, S., Roderick, G.K., Rodriguez-Ezpeleta, N., Schonrogge, K., Simon, N., Valette-Silver, N.J., Springer, Y.P., Stone, G.N., Stones-Havas, S., Sansone, S.-A., Thibault, K.M., Wecker, P., Wichels, A., Wooley, J.C., Yahara, T., Zingone, A. and GOS-COS. 2014. The founding charter of the Genomic Observatories Network. *GigaScience* 3:2
- Brewer, M.S., Cotoras, D.D., Croucher, P.J.P, **Gillespie, R.G.** 2014. New sequencing technologies, the development of genomics tools, and their applications in evolutionary arachnology. *J. Arachnology* 42:1–15
- Croucher, P.J.P., Brewer, M.S., Winchell, C.J., Oxford, G.S., **Gillespie, R.G.** 2013. De novo characterization of the gene-rich transcriptomes of two color-polymorphic spiders, *Theridion grallator* and *T. californicum* (Araneae: Theridiidae), with special reference to pigment genes. *BMC Genomics* 14(1):862.
- Hembry, D.H., Kawakita, A., Gurr, N.S., Schmaedick, M.A., Baldwin, B.G., **Gillespie, R.G.** 2013. Non-congruent colonizations and diversification in a coevolving pollination mutualism on oceanic islands. *Proc. R. Soc. B* 280: 20130361
- Gillespie, R.G.** 2013. The International Biogeography Society: enabling a dynamic discipline. (Editorial). *Frontiers of Biogeography* 5(1) ISSN 1948-6596.
- Gillespie, R.G.** 2013. Adaptive Radiation: Convergence and Non-equilibrium. *Current Biology*, 23(2): R71-R74.
- Wood, H.M., Matzke, N.J., **Gillespie, R.G.**, Griswold, C.E. 2013. Treating fossils as terminal taxa in divergence time estimation reveals ancient vicariance patterns in the Palpimanoidea spiders. *Systematic Biology* 62(2): 264-284.
- Hembry, D.H., Okamoto, T., McCormack, G., **Gillespie, R.G.** 2013. Phytophagous insect community assembly through niche conservatism on oceanic islands. *J. Biogeog.* 40: 225-235
- Croucher, P.J.P., Oxford, G.S., Lam, A., Mody, N., **Gillespie, R.G.** 2012. Colonization history and population genetics of the exuberantly color polymorphic Hawaiian happy-face spider *Theridion grallator* (Araneae, Theridiidae). *Evolution*, 66(9): 2815-2833
- Hill, A., Guralnick, R., Smith, A., Sallans, A., **Gillespie, R.**, Denslow, M., Gross, J., Murrell, Z., Conyers, T., Oboyski, P., Ball, J., Thomer, A., Prys-Jones, R., de la Torre, J., Kociolek, P., Fortson, L. 2012. The notes from nature tool for unlocking biodiversity records from museum records through citizen science. *ZooKeys* 209: Special issue: 219-233
- Roderick, G.K., Croucher, P.J.P., Vandergast, A. **Gillespie, R.G.** 2012. Species differentiation on a dynamic landscape: Shifts in metapopulation and genetic structure using the chronology of the Hawaiian archipelago. *Evolutionary Biology*, 39 (2): 192-206.

- Barnosky, A.D., E.A. Hadly, J. Bascompte, E. Berlow, J.H. Brown, M. Fortelius, W.M. Getz, J. Harte, A. Hastings, P.A. Marquet, N. Martinez, A. Mooers, P. Roopnarine, G.J. Vermeij, J.W. Williams, **R. Gillespie**, J. Kitzes, C. Marshall, N. Matzke, D. Mindell, E. Revilla, A.B. Smith. 2012. Approaching a state-shift in Earth's biosphere. *Nature* 486(7401):52-58.
- Wood, H.M., Griswold, C.E., **Gillespie, R.G.**, 2012. Phylogenetic placement of pelican spiders (Arachnida: Araneae), with insight into evolution of the "neck" and predatory behaviours of the superfamily Palpimanoidea. *Cladistics* 28: 598-626.
- Davies, N., Field, D. & The Genomic Observatories Network\*. 2012. Sequencing data: A genomic network to monitor Earth. *Nature* 481: 145. (\* 63 authors)
- Gillespie, R.G.**, Baldwin, B.G., Waters, J.M., Fraser, C., Nikula, R., Roderick, G.K. 2012. Long-distance dispersal—a framework for hypothesis testing. *Trends in Ecology & Evolution* 27(1): 52-61. **Article listed as "must read" in F1000.**
- Platnick, N.I.; Abraham, N.; Alvarez-Padilla, F.; Andriamalala, D.; Baehr, B., Baert, L.; Bonaldo, A.B.; Brescovit, A.D.; Chousou-Polydouri, N.; Dupérré, N.; Eichenberger, B.; Fannes, W.; Gaublomme, E.; **Gillespie, R.G.**; Grismado, C.J.; Griswold, C.E.; Harvey, M.S.; Henrard, A.; Hormiga, G.; Izquierdo, M.A.; Jocqué, R.; Kranz-Baltensperger, Y.; Kropf, C.; Ott, R.; Ramírez, M.J.; Raven, R.J.; Rheims, C.A.; Ruiz, G.R.S.; Santos, A.J.; Saucedo, A.; Sierwald, P.; Szűts, T.; Ubick, D.; Wang, X-P. 2012. Tarsal organ morphology and the phylogeny of goblin spiders (Araneae, Oonopidae), with notes on basal genera. *American Museum Novitates* 3736, 52pp
- Hembry, D.H., Okamoto, T. **Gillespie, R.G.** 2012. Repeated colonization of remote islands by specialized, horizontally-transmitted mutualists. *Biology Letters* 8 (2) 258-261
- Casquet, J., Thébaud, C., **Gillespie, R.G.** 2011. Chelex without boiling, a rapid and easy technique to obtain stable amplifiable DNA from small amounts of ethanol-stored spiders. *Molecular Ecology Resources*. 12(1) 136-141. doi: 10.1111/j.1755-0998.2011.03073.x.
- Bidegaray-Batista, L., **Gillespie, R.G.**, Arnedo, M.A. 2011. Bringing spiders to the multilocus era: novel anonymous nuclear markers for *Harpactocrates* ground-dwelling spiders (Araneae, Dysderidae) with application to related genera. *Journal of Arachnology*. 39(3): 506-510
- Croucher, PJP, GS Oxford, and **R.G. Gillespie**. 2011. Population structure and dispersal in a patchy landscape: nuclear and mitochondrial markers reveal area effects in the spider *Theridion californicum* (Araneae: Theridiidae). *Biological Journal of the Linnean Society* 104(3): 600-620. *Article reprinted in a special edition of the journal in memory of the eminent statistician Robert Sokal.*
- Croucher, PJP, GS Oxford, A Lam, and **R.G. Gillespie**. 2011. Stabilizing selection maintains exuberant color polymorphism in the spider *Theridion californicum* (Araneae, Theridiidae). *Molecular Ecology* 20(2): 206-218
- Medeiros, M.J., and **R.G. Gillespie**. 2011. Biogeography and the evolution of flightlessness in a radiation of Hawaiian moths (*Thyrocopa*: Xyloryctidae). *Journal of Biogeography*. 38(1). 101-111.
- Crews, S.C. and **R.G. Gillespie**. 2010. Molecular Systematics of *Selenops* Spiders (Araneae: Selenopidae) from North and Central America: Implications for Caribbean Biogeography. *Biological Journal of the Linnean Society*. 101, 288–322.
- Spagna, J.C., S.C. Crews, and **R.G. Gillespie**. 2010. Patterns of habitat affinity and Austral/Holarctic parallelism in dictynoid spiders (Araneae: Entelegynae). *Invertebrate Systematics*, 24, 238–257.

- Harmon, L.J., Losos, J.B., Davies, T.J., **Gillespie, R.G.**, Gittleman, J.L., Jennings, W.B., Kozak, K.H., McPeck, M.A., Moreno-Roark, F., Near, T.J., Purvis, A., Ricklefs, R.E., Schluter, D., Schulte, J.A., Seehausen, O., Sidlauskas, B.L., Torres-Carvajal, O., Weir, J.T., Mooers, A.Ø. 2010. Body size and shape rarely evolve in early bursts. *Evolution*, 64 (8): 2385-2396
- Krushelnycky, P.D. and R. G. **Gillespie**. 2010. Correlates of vulnerability among arthropod species threatened by invasive ants. *Biodiversity and Conservation* 19(7): 1971-1988.
- Rivera, MA and RG Gillespie. 2010. New Species of Endemic Kleptoparasitic Spiders of the Genus *Argyrodes* (Araneae: Theridiidae) in the Hawaiian Islands. *Pacific Science* 64(2): 221-232
- Crews, S.C., A.R. Puente-Rolón, E. Rutstein, and **R.G. Gillespie**. 2010. A comparison of populations of island and adjacent mainland species of Caribbean *Selenops* (Araneae: Selenopidae) spiders. *Molecular Phylogenetics and Evolution* 54(3): 970-983.
- Hogg, B.N., **Gillespie, R.G.**, and Daane, K.M. 2010. Regional patterns in the invasion success of *Cheiracanthium* spiders (Miturgidae) in vineyard ecosystems. *Biological Invasions* 12(8): 2499-2508
- Garb, J.E. and **R.G. Gillespie**. 2009. Diversity despite dispersal: colonization history and phylogeography of Hawaiian crab spiders inferred from multilocus genetic data. *Molecular Ecology* 18:1746–1764.
- Medeiros, M.J., D. Davis, F.G. Howarth, and **R.G. Gillespie**. 2009. Evolution of cave-living in Hawaiian *Schrankia* (Lepidoptera: Noctuidae) with description of a remarkable new cave species. *Zoological Journal of the Linnean Society* 156: 114-139.
- Krushelnycky, P.D. and R. G. Gillespie. 2009. Sampling across space and time to validate natural experiments: An example with ant invasions in Hawaii. *Biological Invasions* 12:643-655.
- Croucher, P.J.P. and **R.G. Gillespie**. 2009. Genomics and adaptive radiation on remote islands: The islands' story. *The Biochemist*, 31:24-28.
- Emerson, B.C. and **R.G. Gillespie**. 2008. Phylogenetic analysis of community assembly and structure over space and time. *Trends in Ecology & Evolution* 23(11): 619-630.
- Crews, S., Wienskoscib, E. and **R.G. Gillespie**. 2008. Life history of the spider *Selenops occultus* Mello-Leitão (Araneae, Selenopidae) from Brazil with notes on the natural history of the genus. *Journal of Natural History* 42: 2747–2761.
- Gillespie, R.G.**, E.M. Claridge, and S. Goodacre. 2008. Biogeography of French Polynesia: Diversification within and between a series of hotspot archipelagoes. *Phil. Trans. Royal Society London* 363: 3335-3346.
- Krushelnycky, P.D. and **R.G. Gillespie** 2008. Compositional and functional stability of arthropod communities in the face of ant invasions. *Ecological Applications*. 18(6): 1547–1562.
- Benjamin, SP, D. Dimitrov, **R.G. Gillespie**, and G. Hormiga. 2008. Family ties: Molecular phylogeny of crab spiders (Araneae: Thomisidae). *Cladistics* 24: 708-722.
- Spagna, J., and **R.G. Gillespie**. 2008. More loci, fewer shifts: improving understanding of evolution of the spinning apparatus in non-orb-weaving spiders. *Molecular Phylogenetics and Evolution* 46: 347-368.
- Gillespie, R.G.**, E.M. Claridge, and G.K. Roderick. 2008. Biodiversity dynamics in isolated island communities: Interaction between natural and human-mediated processes. *Molecular Ecology* 17: 45-57.

- Mitchell, B.M., and **R.G. Gillespie**. 2007. Graduate students take to the field in K-12 education. *Public Library of Science (PLoS) Biology* 5(6): 1200-1201.
- Arnedo, M.A., I. Agnarsson, and **R.G. Gillespie**. 2007. Molecular Insights into the phylogenetic structure of the spider genus *Theridion* (Araneae, Theridiidae) and the origin of the Hawaiian *Theridion*-like fauna. *Zoologica Scripta* 36: 337-352.
- Gillespie, R.G.**, and B.C. Emerson. 2007. Adaptation under a microscope. *Nature* **446**: 386-387.
- Gillespie, R.G.**, and M.A. Rivera. 2007. Free-Living Spiders of the Genus *Ariamnes* (Araneae, Theridiidae) in Hawaii. *Journal of Arachnology* **35**: 11-37.
- Krushelnicky, P.D., Loope, L.L., **Gillespie, R.G.** 2007. Inventory of arthropods of the west slope shrubland and alpine ecosystems of Haleakala National Park. University of Hawaii Pacific Cooperative Studies Unit Technical Report 148: 1-52
- Spagna, J.C., and **R.G. Gillespie**. 2006. Unusually long *Hyptiotes* (Araneae: Uloboridae) sequence for small subunit (18S) ribosomal RNA supports secondary structure model utility in spiders. *Journal of Arachnology* **34**: 557-565.
- Arnedo, M.A., and **R.G. Gillespie**. 2006. Species diversification patterns in the Polynesian jumping spider genus *Havaika* Proszynski 2001 (Araneae, Salticidae). *Molecular Phylogenetics and Evolution* **41**: 472-495.
- Garb, J.E., and **R.G. Gillespie**. 2006. Island hopping across the central Pacific: mitochondrial DNA detects sequential colonization of the Austral Islands by crab spiders (Araneae: Thomisidae). *Journal of Biogeography* **33**(2): 201-220.
- Crews, S.C., and **R.G. Gillespie**. 2005. Evolutionary Insights From the Disjunct Distribution of the Salt Flat Endemic Spider *Saltonia incerta* Banks (Araneae: Dictynidae) in the Southwestern United States, pp. 7-8 *In: Geologic and Biotic Perspectives on Late Cenozoic Drainage History of the Southwestern Great Basin and Lower Colorado River Region* (ed. M. Reheis). U.S. Geological Survey, Reston, Virginia.
- Garb, J.E., **R.G. Gillespie**, and C.Y. Hayashi. 2005. A toxic tale: Evolution of the vertebrate toxin gene, alpha-latrotoxin, in black widow spiders. *Integrative and Comparative Biology* **44** (6): 556.
- Gillespie, R.G.** 2005. Geographical context of speciation in a radiation of Hawaiian *Tetragnatha* spiders (Araneae, Tetragnathidae) . *Journal of Arachnology* **33**: 313-322.
- Krushelnicky, P.D., **R.G. Gillespie**, L.L. Loope, and J.K. Liebherr. 2005. Rediscovery and Uncertain Future of High-Elevation Haleakala Carabid Beetles (Coleoptera). *Pacific Science* **59**(3): 399-410.
- Gillespie, R.G.** 2005. The ecology and evolution of Hawaiian spider communities. *American Scientist* **93**:122-131.
- Pons, J., and **R. G. Gillespie**. 2004. Evolution of satellite DNAs in a radiation of endemic Hawaiian spiders: Does concerted evolution of highly repetitive sequences reflect evolutionary history? *Journal of Molecular Evolution* **59**(5): 632-641.
- Blackledge, T.A., and **R.G. Gillespie**. 2004. Convergent evolution of behavior in an adaptive radiation of Hawaiian web-building spiders. *Proceedings of the National Academy of Sciences (USA)* **101**(46): 16228-16233.
- Vandergast, A.G., and **R.G. Gillespie**. 2004. Effects of Natural Forest Fragmentation on a Hawaiian Spider Community. *Environmental Entomology* **33**(5): 1296-1305.

- Garb, J.E., A. González, and **R.G. Gillespie**. 2004. The black widow spider genus *Latrodectus* (Araneae: Theridiidae): phylogeny, biogeography and invasion history. *Molecular Phylogenetics and Evolution* **31**(3): 1127-1142.
- Gillespie, R. G.** 2004. Community assembly through adaptive radiation in Hawaiian spiders. *Science* **303** (5656): 356-359
- Vandergast, A.G., **R.G. Gillespie**, and G.K. Roderick. 2004. Influences of volcanic activity on the population genetic structure of Hawaiian *Tetragnatha* spiders: fragmentation, rapid population growth, and the potential for accelerated evolution. *Molecular Ecology* **13**: 1729-1743.
- Arnedo, M.A., J. Coddington, I. Agnarsson, **R.G. Gillespie**. 2004. From a Comb to a Tree: Phylogenetic Relationships of the Comb-footed Spiders (Araneae, Theridiidae) Inferred from Nuclear and Mitochondrial Genes. *Molecular Phylogenetics and Evolution* **31**: 225-245.
- Gillespie, R.G.** 2003. Spiders of the genus *Tetragnatha* in the Society Islands. *Journal of Arachnology* **31**: 157-172.
- Blackledge T.A., G.J. Binford and **R.G. Gillespie**. 2003. Resource use within a community of Hawaiian spiders (Araneae: Tetragnathidae). *Annales Zoologici Fennici* **40**: 293–303
- Gillespie, R.G.** 2003. Marquesan spiders of the genus *Tetragnatha*. *Journal of Arachnology* **31**: 62-77.
- Blackledge, T.A., J.A. Coddington, and **R.G. Gillespie**. 2003. The evolution of three-dimensional spider webs as predator defenses. *Ecology Letters* **6**(1): 13-18.
- Gillespie, R.G.** 2003. Hawaiian spiders of the genus *Tetragnatha*: V. Elongate web-builders from Oahu. *Journal of Arachnology* **31**: 8-19.
- Pons, J., and **R.G. Gillespie**. 2003. Common origin of the satellite DNAs of the Hawaiian spiders of the genus *Tetragnatha* : evolutionary constraints on the length and nucleotide composition of the repeats. *Gene* **313**: 169-177.
- Hormiga, G., M.A. Arnedo, and **R.G. Gillespie**. 2003. Speciation on a conveyor belt: sequential colonization of the Hawaiian Islands by *Orsonwelles* spiders (Araneae: Linyphiidae). *Systematic Biology* **52**(1): 70-88.
- Gillespie R.G.**, and G.K. Roderick. 2002. Arthropods on islands: Evolution and conservation. *Annual Review of Entomology* **47**; 47:595-632
- Blackledge, T.A., and **R.G. Gillespie**. 2002. Estimation of capture areas of spider webs in relation to web asymmetry. *Journal of Arachnology* **30**: 70-77
- Gillespie, R.G.** 2002. Hawaiian Spiders of the Genus *Tetragnatha*: IV: New, Small Species in the Spiny Leg Clade. *Journal of Arachnology* **30**: 159-172
- Gillespie, R.G.** 2002. Colonization of remote oceanic islands of the Pacific: archipelagos as stepping-stones? *Journal of Biogeography* **29**: 655-662
- Oxford, G.S., and **R.G. Gillespie**. 2001. Portraits of evolution: Studies of coloration in Hawaiian spiders. *Bioscience* **51**: 521-528.
- Heddle, M.L., K.R. Wood, A. Asquith, **R.G. Gillespie**. 2000. Conservation Status and Research on the Fabulous Green Sphinx of Kauai (*Tinostoma smaragditis*) including a Check List of the Vascular Plants of the Diverse Mesic Forests of Kauai. *Pacific Science* **54**(1): 1-9.
- Gillespie, R.G.** 1999. Naivete and novel perturbations: Conservation of native spiders on an oceanic island system. *J. Insect Conservation* **3**: 263-272

- Skerl, K.L., and **R.G. Gillespie**. 1999. Spiders in conservation: Tools, targets and other topics. *J. Insect Conservation* **3**: 249-250.
- Tan, A.-M., **R.G. Gillespie**, Oxford, G.S. 1999. Paraphyly of the *Enoplognatha ovata* group (Araneae: Theridiidae) based on DNA sequences. *Journal of Arachnology* **27**: 481-488.
- Gillespie, R.G.** 1999. Comparison of rates of speciation in web-building and non-web-building groups within a Hawaiian spider radiation. *Journal of Arachnology* **27**: 79-85.
- Gillespie R.G.** 1999. A gem worth protecting: The Hawaiian happy face spider. *Wings: Essays on Invertebrate Conservation* **22**: 13-15.
- Gillespie R.G.**, and GS Oxford. 1998. Selection on the color polymorphism in Hawaiian happy-face spiders: Evidence from genetic structure and temporal fluctuations. *Evolution* **52**: 775-783.
- Oxford, G.S., and **R.G. Gillespie**. 1998. Color polymorphisms in spiders. *Annual Review of Entomology* **43**: 619-643.
- Roderick, G.K., and **R.G. Gillespie**. 1998. Patterns of speciation and phylogeography of Hawaiian arthropods. *Molecular Ecology* **7**:519-531 (invited contribution for volume on phylogeography)
- Roderick, G.K., and **R.G. Gillespie**. 1998. Alien arthropods in Hawaii: trouble in paradise. *Aliens*. **8**:2-3.
- Gillespie, R.G.** 1997. Evolution and extinction of Hawaii's unique biota. *HMS Beagle (Smithsonian)* **2**: 24.
- Gillespie, R.G.** 1997. Range contraction and extinction vulnerability: What is natural? *Memoirs of the Museum of Victoria*. **56**: 401-408 (invited contribution for volume on invertebrate conservation biology)
- Gillespie, R.G.**, H.B. Croom and G.L. Hasty. 1997. Phylogenetic relationships and adaptive shifts among major clades of *Tetragnatha* spiders (Araneae: Tetragnathidae) in Hawaii. *Pacific Science* **51**: 380-394.
- Oxford, G.S., and **R.G. Gillespie**. 1996. Genetics of a colour polymorphism in the Hawaiian happy face spider, *Theridion grallator* (Araneae: Theridiidae) from Greater Maui. *Heredity* **76**: 238-248.
- Oxford, G.S., and **R.G. Gillespie**. 1996. Quantum shifts in the genetic control of colour polymorphism in the Hawaiian happy face spider, *Theridion grallator* (Araneae: Theridiidae). *Heredity* **76**: 249-256.
- Oxford, G.S., and **R.G. Gillespie**. 1996. The effects of genetic background on the island-specific control of a colour polymorphism in the Hawaiian happy face spider, *Theridion grallator* (Araneae: Theridiidae). *Heredity* **76**: 257-266.
- Caraco, T., G.W. Uetz, **R.G. Gillespie** and L.A. Giraldeau. 1994. Resource consumption variance within and among individuals: modeling coloniality in spiders. *Ecology*. **76**: 196-205.
- Gillespie, R.G.** 1994. Hawaiian spiders of the genus *Tetragnatha*: III. *T. acuta* Clade. *Journal of Arachnology* **22**: 161-168.
- Gillespie, R.G.**, and B.E. Tabashnik. 1994. Foraging behavior of the Hawaiian happy face spider (Araneae, Theridiidae). *Annals of the Entomological Society* **87**: 815-822.
- Gillespie, R.G.**, S.R. Palumbi, and H.B. Croom. 1994. Multiple origins of a spider radiation in Hawaii. *Proceedings of the National Academy of Sciences* **91**: 2290-2294.
- Gillespie, R.G.**, and N. Reimer. 1993. The Effect of Alien Predatory Ants (Hymenoptera, Formicidae) on Hawaiian Endemic Spiders (Araneae, Tetragnathidae). *Pacific Science* **47**: 21-33.
- Gillespie, R.G.** 1993. Biogeographic pattern of phylogeny among a clade of endemic Hawaiian spiders (Araneae, Tetragnathidae). *Memoirs of the Queensland Museum* **33**: 519-526.

- Gillespie, R.G.** 1992. Hawaiian spiders of the genus *Tetragnatha* II. Species from natural areas of windward East Maui. *Journal of Arachnology* **20**: 1-17.
- Gillespie, R.G.** 1992. Impaled prey. *Nature* **355**: 212-213.
- Croom, H.B., **R.G. Gillespie**, and S.R. Palumbi. 1991. Mitochondrial DNA sequences coding for a portion of the RNA of the small ribosomal subunits of *Tetragnatha mandibulata* and *Tetragnatha hawaiiensis* (Araneae, Tetragnathidae). *Journal of Arachnology* **19**: 210-214.
- Gillespie, R.G.** 1991. Hawaiian spiders of the genus *Tetragnatha*: I. Spiny Leg Clade. *Journal of Arachnology* **19**: 174-209.
- Gillespie, R.G.** 1991. Homosexual Mating Behavior in Male *Doryonychus raptor* Simon (Araneae: Tetragnathidae). *Journal of Arachnology* **19**: 229-230.
- Gillespie, R.G.** 1991. Predation through impalement of prey: The foraging behavior of *Doryonychus raptor* (Araneae, Tetragnathidae). *Psyche* **98**: 337-350.
- Gillespie, R.G.** 1990. Costs and benefits of brood care in the Hawaiian happy face spider *Theridion grallator* (Araneae, Theridiidae). *American Midland Naturalist* **123**: 236-243.
- Gillespie, R.G.** and B. Tabashnik. 1990. Maintaining a happy face: Stable colour polymorphism in the spider *Theridion grallator* (Araneae, Theridiidae). *Heredity* **65**: 67-74.
- Gillespie, R.G.** 1989. Diet induced color change in the Hawaiian happy face Spider *Theridion grallator* (Araneae, Theridiidae). *Journal of Arachnology* **17**: 171-177.
- Gillespie, R.G.**, and B. Tabashnik. 1989. What makes a happy face? Determinants of colour pattern in the Hawaiian happy face spider *Theridion grallator*. *Heredity* **62**: 355-363.
- Lighton, J. B., and **R.G. Gillespie**. 1989. The energetics of mimicry: the cost of pedestrian transport in a formicine ant and its mimic, a clubionid spider. *Physiological Entomology* **14**: 173-177.
- Gillespie, R.G.** 1987. The mechanism of habitat selection in the long jawed orb weaving spider *Tetragnatha elongata* (Araneae, Tetragnathidae). *Journal of Arachnology* **15**: 81-90.
- Gillespie, R.G.** 1987. The role of prey in aggregative behaviour of the long jawed orb weaving spider *Tetragnatha elongata*. *Animal Behaviour* **35**(2): 675-681.
- Gillespie, R.G.**, and T. Caraco. 1987. Risk sensitive foraging strategies of two spider populations. *Ecology* **68**(4): 887-899.
- Caraco, T., and **R.G. Gillespie**. 1986. Risk sensitivity: foraging mode in an ambush predator. *Ecology* **67**(5): 1180-1185.
- Gillespie, R.G.** 1981. The quest for prey by the web building spider *Amaurobius similis* (Blackwall). *Animal Behaviour* **29**: 953-954.

## Book Chapters

- Gillespie, R.G.**, A.J. Rominger, J.Y. Lim. 2020. The theory of evolutionary biogeography. Chapter 16 IN: *The Theory of Evolution*, Ed. S. Scheiner, D. Mindell. University of Chicago Press
- Gillespie R.G.** and Will, K. 2018. Biodiversity of Arthropods on Islands. IN: *Insect Biodiversity: Science and Society*, 2 Ed. R. Foottit. Wiley. pp. 81-104
- Berry, A and **R.G. Gillespie**. 2018. Island Evolution & Biodiversity. IN: *International Handbook of Island Studies* Ed. Godfrey Baldacchino. Routledge. pp. 112-140.
- Roderick, G.K. and **R.G. Gillespie**. 2016. Arthropodes terrestres des îles Marquises : diversité et évolution. In Galzin R., Duron S.-D. & Meyer J.-Y. (eds), *Biodiversité terrestre et marine des îles Marquises, Polynésie française*. Société Française d'Ichtyologie, Paris : 391-404.

- Gillespie, RG.** 2016. Biogeography of arthropods. IN: *Encyclopedia of Evolutionary Biology* ed. R.M. Kliman. Elsevier.
- Gillespie, R.G.** 2014. Island Biogeography. IN: *International Encyclopedia of Geography*. Ed. Douglas Richardson. Wiley-Blackwell and the Association of American Geographers.
- Gillespie, R.G.** and Parent, C.E. 2014. Adaptive Radiation. In: *Oxford Bibliographies in Evolutionary Biology*. Ed. J.B. Losos. <http://www.oxfordbibliographiesonline.com>
- Gillespie, RG.** 2013. Biogeography. Pp. 154-185. IN: *Spider Research in the 21st Century*. Ed. D. Penney, Siri Scientific Press.
- Gillespie, RG** and BG Baldwin. 2009. Island biogeography of remote archipelagos: Interplay between ecological and evolutionary processes. Pp. 358-387. IN: *The Theory of Island Biogeography Revisited*. Eds. J. Losos, R. Ricklefs. Princeton University Press, Princeton, NJ
- Gillespie, R.G.** and M. Williamson. 2009. Britain and Ireland. Pp. 116-126. IN: *Encyclopedia of Islands*. Eds. R.G. Gillespie, D.A. Clague. University of California Press, Berkeley, CA.
- Gillespie, R.G.** 2009. Ecological release. Pp. 251-253. IN: *Encyclopedia of Islands*. Eds. R.G. Gillespie, D.A. Clague. University of California Press, Berkeley, CA.
- Gillespie, R.G.** 2009. Adaptive radiation. Pp. 1-7. IN: *Encyclopedia of Islands*. Eds. R.G. Gillespie, D.A. Clague. University of California Press, Berkeley, CA.
- Roderick GK and **R.G. Gillespie**. 2009. Island biogeography. In: *Encyclopedia of Insects* (eds. Resh VH, Cardé R), pp. 529-531. Academic Press, San Diego.
- Gillespie RG** and J.C. Spagna. 2009. Spiders. In: *Encyclopedia of Insects* (eds. Resh VH, Cardé R), pp. 930-940. Academic Press, San Diego.
- Gillespie, RG.** 2009. Adaptive Radiation. IN: *Guide to Ecology*. Eds. S. Levin, S. Carpenter, C. Godfray, A. Kinzig, M. Loreau, J. Losos, B. Walker, D. Wilcove. Pp. 143-152. Princeton University Press, Princeton, NJ
- Claridge, E.M., J.E. Garb, **R.G. Gillespie**, and D.M. Percy. 2007. Insects and spiders of the Austral Islands. In *The terrestrial biodiversity of the Austral Islands (French Polynesia)* Ed. J.Y.Meyer, P. Bouchet, & A. Allison. Service des Publications du Muséum national d'Histoire naturelle, Paris & Bishop Museum Press, Honolulu, HI.
- Gillespie R.G.** 2007. Oceanic Islands: Models of Diversity. Pp. 1-13. In: S.A. Levin (ed.) *Encyclopedia of Biodiversity*, Elsevier Ltd, Oxford.
- Gillespie, R.G.** 2005. Evolution of spiders on oceanic islands: The venture of few and gain of many. Pp. 49-60 In: *Symposium of Island Ecosystems* (eds. M.A. Pinheiro de Carvalho, G.M. Pereira da Costa, S. Hughes). University of Madeira, Center for Macaronesian Studies (CEM).
- Gillespie, R.G.**, and J. Spagna. 2003. Spiders. Pp 1060-1073. In Resh, V.H. and Cardé, R., eds. *Encyclopedia of Insects*. Academic Press, New York.
- Krushelnycky, P.D., Gelder, E. van, Loope, L.L., Gillespie, R.G. 2003. The status of invasive ant control in the conservation of island systems. In: Turning the tide: the eradication of invasive species: Proceedings of the International Conference on eradication of island invasives. 408.
- Roderick, G. K., and **R.G. Gillespie**. 2003. Island biogeography and evolution. In: V. H. Resh and R. Cardé (eds.), *Encyclopedia of Insects*, pp. 602-604. San Diego, New York.
- Gillespie R.G.**, F.G. Howarth, G.K. Roderick. 2001. Adaptive Radiation. Pp. 25-44 In: S.A. Levin (ed.) *Encyclopedia of Biodiversity, Vol. 1*. Academic Press, New York.

- Gillespie, R.G.**, and T. R. New. 1998. Compatibility of Conservation and Pest Management Strategies. In M.P. Zalucki, R.A.I. Drew, and G.G. White (eds.), *Pest Management--Future Challenges. Proceedings of the Sixth Australasian Applied Entomological Research Conference*. **2**: 196-208. Brisbane, Australia, University of Queensland.
- Gillespie, R.G.**, M. Rivera, and J.E. Garb. 1998. Sun, surf and spiders: taxonomy and phylogeography of Hawaiian Araneae. In P.A. Selden (ed.), *Proceedings of the 17<sup>th</sup> European Colloquium of Arachnology, Edinburgh 1997*. Pp. 41-51. British Arachnological Society, Burnham Beeches, Bucks.
- Gillespie, R.G.**, and H.B. Croom. 1995. Comparison of speciation mechanisms in web-building and non-web-building groups within a lineage of spiders. Pp. 121-146. In: W.L. Wagner and V.A. Funk, V.A (eds.). *Hawaiian Biogeography: Evolution on a Hot Spot Archipelago*. Smithsonian Institution Press, Washington.
- Kaneshiro, K.Y., **R.G. Gillespie** and H.L. Carson. 1995. Chromosomes and male genitalia: Tools for interpreting phylogeny and geography of Hawaiian *Drosophila*. Pp. 57-71. In: W.L. Wagner and V.A. Funk, V.A (eds.). *Hawaiian Biogeography: Evolution on a Hot Spot Archipelago*. Smithsonian Institution, Washington.
- Riechert, S.E., and **R.G. Gillespie**. 1986. Habitat choice and utilization in web-building spiders. Pp. 23-48 In: W.B. Shear (ed.), *Spiders: Webs, Behavior, and Evolution*. Stanford University Press. Stanford.

## Books

- Gillespie, RG**. 2016. Section Editor. Evolutionary Biogeography in the *Encyclopedia of Evolutionary Biology* ed. R.M. Kliman. Elsevier.
- Gillespie, RG**. and D.A. Clague. 2009. Editors, *Encyclopedia of Islands*. University of California Press, Berkeley, CA. (Winner, Outstanding Academic Title for 2010 by CHOICE Reviews; Honorable Mention, 2009 PROSE Awards-American Publishers Awards for Professional and Scholarly Excellence).

## Book Reviews

- Gillespie, RG**. 2011. Interview with Robert E. Ricklefs, recipient of the 2011 Alfred Russel Wallace award. *Frontiers of Biogeography* 3(1): 31-35.
- Gillespie, R.G.** 2010. Leaping lizards. (Review of *Lizards in an Evolutionary Tree Ecology and Adaptive Radiation of Anoles*. Jonathan B. Losos. University of California Press). *Science* **327**:33-34.
- Gillespie, R.G.** 2001. Adaptive radiation: Innovation and insights (Review of *Molecular Evolution and Adaptive Radiation*. Thomas J. Givnish and Kenneth J. Sytsma. Cambridge University Press). *Diversity and Distributions* **7**:105-107
- Gillespie, R. G.**, and G.K. Roderick. 2000. Endless forms (Review of *Endless Forms: Species and Speciation*. D.J. Howard and S.H. Berlocher, eds.) *Heredity* 84:269-270.
- Gillespie, R.G.** 1999. Island biogeography (Review of *Island Biogeography – Ecology, Evolution and Conservation*. R.J. Whittaker. *Heredity* 83:100-102.

**Gillespie, R.G.** 1993. Arachnids arising. (Review of *Spiders in Ecological Webs* by D.H. Wise, Cambridge University Press). *Trends in Ecology and Evolution* **8**: 382-383.

### Refereed Journal Publications - preprints

Bakker, F.T., Antonelli, A., Clarke, J., Cook, J.A., Edwards, S.V., Ericson, P.G., Faurby, S., Ferrand, N., Gelang, M., **Gillespie, R.G.** and Irestedt, M., 2019. *The Global Museum: natural history collections and the future of evolutionary biology and public education* (No. e27666v1). PeerJ Preprints

Rominger, A.J., Overcast, I., Krehenwinkel, H., **Gillespie, R.G.**, Harte, J. and Hickerson, M.J., 2017. Linking evolutionary and ecological theory illuminates non-equilibrium biodiversity. *arXiv preprint arXiv:1705.04725*.

### Published Reviews of Work:

Press related to 2018 paper in *Current Biology* on evolution of forms of stick spiders, including [Science](#), [Newsweek](#), [The Atlantic](#), [Phys Org](#), and [UC Berkeley](#).

Bromham, L. 2016. Heroes of the genetic revolution. Pp. 278-279 IN: *An Introduction to Molecular Evolution and Phylogenetics*, By Lindell Bromham. Oxford University Press

Pandya, S. 2013. Aloha, evolution! *Berkeley Science Review*  
<http://sciencereview.berkeley.edu/article/aloha-evolution/>

Berkeley News, Nov 2012. Scientists look to Hawaii's bugs for clues to origins of biodiversity, see <http://newscenter.berkeley.edu/2012/11/21/scientists-look-to-hawaiis-bugs-for-clues-to-origins-of-biodiversity/>

Berkeley News, June 2012. Hindcasting helps scientists improve forecasts for life on Earth, see <http://newscenter.berkeley.edu/2012/06/12/hindcasting-helps-scientists-improve-forecasts-for-life-on-earth/>

Science Daily, June 2012. Evidence of Impending Tipping Point for Earth, see <http://www.sciencedaily.com/releases/2012/06/120606132308.htm>

Interview for *Berkeleyan*, see [http://www.berkeley.edu/news/berkeleyan/2007/09/26\\_gillespie.shtml](http://www.berkeley.edu/news/berkeleyan/2007/09/26_gillespie.shtml)

University of Tennessee Magazine, 2007. Bliss of the Spider Woman: Veteran Arthropod Researcher Rosemary Gillespie. Profile by Tom Nugent.

BBC Wildlife, 2006. Strange but true ...Hawaiian horror story. *BBC Wildlife* 24(9) 43 (see also: A spidery stab in the dark. See also "Entangled.org" <http://www.entangled.org/2006/08/16/>

Check, E. 2006. Treasure island: pinning down a model ecosystem. *Nature* 439, 378-379. Review of survey work in French Polynesia.

Hurtley, S. and P. Szurimi. 2004. Creating communities, in "This Week in *Science*". *Science* 303: 281.

Beery, A. 2004. Arachnophilia: Hawaiian spiders reveal evolutionary patterns. *Berkeley Science Review* 7: 8-10. See <http://sciencereview.berkeley.edu:7066/read.html>

Daily Californian – feature on Hawaiian *Tetragnatha*, See <http://www.dailycal.org/article.php?id=13920>

- Berkeley Science Review. Advised on and written up in feature on happy face spiders. June 2002. See <http://sciencereview.berkeley.edu:7066/pdf/2.2/labscope.pdf>
- Featured in book, *The World According to Pimm: A Scientist Audits the Earth*, 2001. by Stuart L. Pimm. McGraw-Hill, New York. Pp 191-192.
- Discovery News, report on article co-authored with T. Blackledge & J. Coddington "Spiders Weave in 3-D for Protection", Sept 03  
<http://dsc.discovery.com/news/briefs/20030113/spiderweb.html>
- Greenstone, M.H. Call for papers. *Bioscience* 51: 519.
- Kappel-Smith, D. 1996. Pp. 178-194 in *Night Life: Nature from Dusk to Dawn*.
- Holmes, E.C. and P.H. Harvey. 1994. Spinning the web of life. *Current Biology* 9: 841-843.  
Review of article 'Multiple origins of a spider radiation in Hawaii' by Gillespie et al. 1994 in *Proceedings of the National Academy of Sciences (USA)* 91: 2290-2294.
- Mangel, M. and C.W. Clark. 1988. Movement of raptors and spiders. Pp. 198-204 in *Dynamic Modeling in Behavioral Ecology*. Monographs in Behavior and Ecology, J.R. Krebs and T. Clutton-Brock, eds. Princeton University Press, Princeton, New Jersey. Review of Gillespie & Caraco 1987 (*Ecology* 68, 887-899) & Caraco and Gillespie 1986 (*Ecology* 67, 1180-1185).

### Non-Refereed Publications, Conference and Symposia Proceedings

- Adams, Seira A., Moritz Gerbault, Stefan Schulz, Rosemary G. Gillespie. 2020. Chemical species recognition in an adaptive radiation of a Hawaiian spider. American Arachnological Society Virtual Summer Symposium. June 2020 (**winner of best paper award for Ashley Adams**)
- Kennedy, Susan R., Sophia Tsau, Rosemary Gillespie, Henrik Krehenwinkel. 2020. A transient, diet-driven gut microbiome in the gray house spider *Badumna longinqua*. American Arachnological Society Virtual Summer Symposium. June 2020
- Holmquist, Anna, Rosemary Gillespie 2019. Ancient processes versus environmental change in shaping diversity of spider communities across Gunung Galang and Gunung Torompupu, Sulawesi. 21st International Congress of Arachnology, Christchurch, New Zealand.
- Privet, Kāina; Henrik Krehenwinkel; Rosemary Gillespie; Julien Pétilion. 2019. Phylogeny of wolf spiders from the island of Hawai'i inferred from multilocus genetic data. 21st International Congress of Arachnology, Christchurch, New Zealand.
- Graham, Natalie, Henrik Krehenwinkel, and Rosemary G. Gillespie. "Biodiversity Dynamics of Arthropod and Plant Communities on an Island Archipelago using Quantitative NGS Metabarcoding and Literature Mining." In AGU Fall Meeting Abstracts, vol. 2019, pp. B21E-07. 2019.
- Graham, N. R., Peck, R. W., & Gillespie, R. G. (2018, March). Species Delimitation and Phylogeography of Endemic Hawaiian Parasitoid Wasps: Genus *Spolas* (Hymenoptera: Ichneumonidae). In *Integrative and Comparative Biology* Vol. 58, pp. E327-E327.
- Wood, H.M., Parkinson, D.Y., Griswold, C.E., Gillespie, R.G. and Elias, D.O., 2018. Repeated Evolution of Power-Amplified Predatory Strikes in Trap-Jaw Spiders. In *Integrative and Comparative Biology* 58: E256-E256.
- Graham, Natalie; Robert Peck and Rosemary Gillespie 2017. Species delimitation and phylogeography of endemic Hawaiian parasitoid wasps: Genus *Spolas* (Hymenoptera: Ichneumonidae) Entomology2017, 5-8 Nov 2017, Denver CO

- Kennedy, Susan; Martha Alexandra Rueda Esteban, Henrik Krehenwinkel and Rosemary Gillespie. 2017. Metagenomic gut content analysis reveals niche differentiation in an adaptive radiation of Hawaiian spiders. Entomology2017, 5-8 Nov 2017, Denver CO
- Graham, Natalie; Henrik Krehenwinkel, and Rosemary Gillespie 2017. Construction of a Molecular Barcode Reference Library for Hawaiian Arthropod Taxa. Pacific Entomology Conference, Honolulu, HI December 5-7, 2017
- Sheffer, Monica, Henrik Krehenwinkel and Rosemary Gillespie. 2017. Niche partitioning in Hawaiian spiders. 30<sup>th</sup> European Congress of Arachnology August 20-25, 2017, University of Nottingham
- Gallardo, Karen V., Esther Sebastián González, Patrick J. Hart, Rosemary G. Gillespie 2016. Biotic soundscape diversity in relation to substrate age across the Hawaii Island chronosequence. Ecological Society of America. Fort Lauderdale, Florida.
- Graham, Natalie, Robert Peck, Rosemary Gillespie. 2016. Exploring biotic and abiotic factors predicting native and alien parasitoid wasps across the Hawaiian Islands using environmental niche modeling. Society for the Study of Evolution, Annual Meeting, Austin, Texas.
- Adams, Seira Ashley Adams, Rosemary Gillespie, Gabriele Uhl. 2016. The mechanisms of chemical communication in Tetragnatha spiders. International Congress of Arachnology. Golden, Colorado. July 2-9 2016.
- Armstrong, Ellie, Stefan Prost, Rosemary Gillespie, Dmitri Petrov. 2016. Rapid diversification of spiders on islands- insights from comparative and population genomic inferences. International Congress of Arachnology. Golden, Colorado. July 2-9 2016
- Brewer, Michael S., Emily Bulger, Pamala Zobel-Thropp, Greta Binford, Rosemary G. Gillespie. 2016. Venom evolution in the genus Tetragnatha facilitates adaptive radiation and mate recognition. International Congress of Arachnology. Golden, Colorado. July 2-9 2016
- Cotoras, Darko D., Michael S. Brewer, Ke Bi, Stefan Prost, David R. Lindberg, Rosemary G. Gillespie. 2016. Genetic mosaic among ecologically similar species within an adaptive radiation of Hawaiian spiders. International Congress of Arachnology. Golden, Colorado. July 2-9 2016
- Gillespie, Rosemary G. 2016. Diversity vs. disparity: contrasting patterns of adaptive radiation among Hawaiian spiders. International Congress of Arachnology. Golden, Colorado. July 2-9 2016
- Kennedy, Susan, Henrik Krehenwinkel, Rosemary Gillespie, Stanislav Pekar. 2016. Next generation sequencing of gut content to study niche ecology in spiders. International Congress of Arachnology. Golden, Colorado. July 2-9 2016
- Kennedy, Susan, Rosemary Gillespie, Todd Dawson. 2016. Stable isotopes illuminate niche ecology in an adaptive radiation of Hawaiian spiders. International Congress of Arachnology. Golden, Colorado. July 2-9 2016
- Krehenwinkel, Henrik, Kennedy Susan, Henderson Jim, Russack Joe, Simison Brian, Gillespie Rosemary. 2016. Community assembly over evolutionary time: application of next generation sequencing for high throughput assessment of Hawaiian arthropod diversity. International Congress of Arachnology. Golden, Colorado. July 2-9 2016.
- Wood, Hannah M., Dilworth Y. Parkinson, Charles E. Griswold, Rosemary G. Gillespie, Damian O. Elias. 2016. Repeated evolution of power-amplified predatory strikes in trap-jaw spiders (Araneae, Mecysmaucheniidae). International Congress of Arachnology. Golden, Colorado.

July 2-9 2016

- Beierkuhnlein, C., D.E.V. Harter, A. Provenzale, S.D.H. Irl, D. Kienle, A.H. Schweiger, R.G. Gillespie, J.M. Fernández-Palacios, K.A. Triantis, M.J. Steinbauer & A. Jentsch 2016. Specific threats connected with climate change impacts on oceanic islands. Pp. 234 in: R. Gabriel, R.B. Elias, I.R. Amorim & P.A.V. Borges (Eds). Conference program and abstracts of the 2nd International Conference on Island Evolution, Ecology and Conservation: Island Biology 2016, 18-22 July 2016, Angra do Heroísmo, Azores, Portugal. Arquipelago . Life and Marine Sciences. Supplement 9.
- Gillespie, R.G. 2016. Diversification and species assembly among Hawaiian arthropods: The play of adaptive radiation in four acts. Pp. 76 in: R. Gabriel, R.B. Elias, I.R. Amorim & P.A.V. Borges (Eds). Conference program and abstracts of the 2nd International Conference on Island Evolution, Ecology and Conservation: Island Biology 2016, 18-22 July 2016, Angra do Heroísmo, Azores, Portugal. Arquipelago . Life and Marine Sciences. Supplement 9.
- Gillespie, R.G., A. Hiller, M. Koo, M. Kelly, K. Koy, C.M. Marshall & G. Rapacciuolo 2016. HOLOS: Integrating biological and environmental data to assess ecological and evolutionary response to change. Pp. 96 in: R. Gabriel, R.B. Elias, I.R. Amorim & P.A.V. Borges (Eds). Conference program and abstracts of the 2nd International Conference on Island Evolution, Ecology and Conservation: Island Biology 2016, 18-22 July 2016, Angra do Heroísmo, Azores, Portugal. Arquipelago . Life and Marine Sciences. Supplement 9.
- Graham, N.R., R.W. Peck & R.G. Gillespie 2016. Exploring biotic and abiotic factors predicting native and alien parasitoid wasps across the Hawaiian Islands using environmental niche modeling. Pp. 491 in: R. Gabriel, R.B. Elias, I.R. Amorim & P.A.V. Borges (Eds). Conference program and abstracts of the 2nd International Conference on Island Evolution, Ecology and Conservation: Island Biology 2016, 18-22 July 2016, Angra do Heroísmo, Azores, Portugal. Arquipelago . Life and Marine Sciences. Supplement 9
- Krehenwinkel, H., S. Kennedy, J. Henderson, J. Russack, B. Simison & R.G. Gillespie 2016. Community assembly over evolutionary time: Application of next generation sequencing for high throughput assessment of Hawaiian arthropod diversity. Pp. 393 in: R. Gabriel, R.B. Elias, I.R. Amorim & P.A.V. Borges (Eds). Conference program and abstracts of the 2nd International Conference on Island Evolution, Ecology and Conservation: Island Biology 2016, 18-22 July 2016, Angra do Heroísmo, Azores, Portugal. Arquipelago . Life and Marine Sciences. Supplement 9
- Perez, B., H. Krehenwinkel & R.G. Gillespie 2016. Evolutionary ecology of microbial communities in Hawaii. Pp. 522 in: R. Gabriel, R.B. Elias, I.R. Amorim & P.A.V. Borges (Eds). Conference program and abstracts of the 2nd International Conference on Island Evolution, Ecology and Conservation: Island Biology 2016, 18-22 July 2016, Angra do Heroísmo, Azores, Portugal. Arquipelago . Life and Marine Sciences. Supplement 9.
- Roderick, G.K., N. Davies, S. Charlat, C.P. Ewing, P.T. Oboyski, J. Deck, A.J. Rominger, L. Cayetano, N.R. Graham, H. Krehenwinkel, T. Ramage, D.S. Gruner, R.G. Gillespie 2016. Arthropod diversity across gradients of elevation on Society and Hawaiian islands: Environmental and anthropogenic effects. Pp. 413-414 in: R. Gabriel, R.B. Elias, I.R. Amorim & P.A.V. Borges (Eds). Conference program and abstracts of the 2nd International Conference on Island Evolution, Ecology and Conservation: Island Biology 2016, 18-22 July

- 2016, Angra do Heroísmo, Azores, Portugal. Arquipelago. Life and Marine Sciences. Supplement 9.
- Rominger, A.J., J.Y. Lim, K.R. Goodman, J. Harte, D. Gruner & R.G. Gillespie 2016. Isolated islands untangle universal patterns at the nexus of macroevolution and macroecology. Pp. 351 in: R. Gabriel, R.B. Elias, I.R. Amorim & P.A.V. Borges (Eds). Conference program and abstracts of the 2nd International Conference on Island Evolution, Ecology and Conservation: Island Biology 2016, 18-22 July 2016, Angra do Heroísmo, Azores, Portugal. Arquipelago . Life and Marine Sciences. Supplement 9.
- Rueda, M.A., S. Kennedy, H. Krehenwinkel, & R.G. Gillespie 2016. Interaction networks over time: Using next generation sequencing to determine changes in predation and competition across substrates of different age in Hawaii. Pp. 442 in: R. Gabriel, R.B. Elias, I.R. Amorim & P.A.V. Borges (Eds). Conference program and abstracts of the 2nd International Conference on Island Evolution, Ecology and Conservation: Island Biology 2016, 18-22 July 2016, Angra do Heroísmo, Azores, Portugal. Arquipelago. Life and Marine Sciences. Supplement 9.
- Tielens, E.K. & D.S. Gruner 2016. Geological age and host polymorphism affect functional diversity and community composition in plant-insect interactions across a space-for-time chronosequence on the Hawaiian Islands. Pp. 315 in: R. Gabriel, R.B. Elias, I.R. Amorim & P.A.V. Borges (Eds). Conference program and abstracts of the 2nd International Conference on Island Evolution, Ecology and Conservation: Island Biology 2016, 18-22 July 2016, Angra do Heroísmo, Azores, Portugal. Arquipelago . Life and Marine Sciences. Supplement 9.
- Gillespie, R.G. 2015. President's note to IBS members. (Editorial). *Frontiers of Biogeography* 6(4) 165
- Kennedy, S, Clavel, J, Gillespie RG 2014. Niche partitioning in Hawaiian web-building *Tetragnatha* spiders. Entomological Society of America, Portland OR. Nov 2014
- Medeiros, M., Goldberg, I, Gillespie RG. 2014. Habitat suitability, not dispersal ability, limits the distribution of a group of Hawaiian moths (Lepidoptera: Xyloryctidae: Thyrocopa). Entomological Society of America, Portland OR. Nov 2014
- Cotoras, D., Gillespie, RG 2014. Understanding the initiation of adaptive radiation using comparative phylogeography of spiders. Island Biology 2014-An International Conference on Island Evolution, Ecology, and Conservation, Honolulu HI.
- Rominger, A., Goodman, K., Lim, J., Valdovinos, F., Armstrong, E., Bennett, G., Brewer, M., Cotoras, D., Ewing, C., Harte, J., Martinez, N., O'Grady, P., Percy, D., Price, D., Roderick, G., Shaw, K., Gruner, D., Gillespie, RG. 2014 Community assembly on isolated islands: Macroecology meets evolution. Island Biology 2014-An International Conference on Island Evolution, Ecology, and Conservation, Honolulu HI.
- Kennedy, S, Clavel, J, Gillespie RG 2014. Niche partitioning in Hawaiian web-building *Tetragnatha* spiders. Island Biology 2014-An International Conference on Island Evolution, Ecology, and Conservation, Honolulu HI.
- Harter, D., Irl, S., Steinbauer, M., Seo, B., Triantis, K., Fernández-Palacios, J.M., Gillespie, RG, Beierkuhnlein, C. 2014. The impacts of global climate change on the floras of oceanic islands-a general framework. Island Biology 2014-An International Conference on Island Evolution, Ecology, and Conservation, Honolulu HI.

- Hiller, A., Roesch Goodman, K., Gillespie RG 2014. Diversification of Hawaiian Swordtail Crickets, an Approach using Ecological Niche Modeling. Island Biology 2014-An International Conference on Island Evolution, Ecology, and Conservation, Honolulu HI.
- Esposito, L.A., Binford, G., Agnarsson, I., **Gillespie, R.G.** 2014. "Caribbean Arachnids: What we know about a mega-diverse group in a biodiversity hotspot." Network For Neotropical Biogeography 3, Bogota, Colombia.
- Gillespie, R.G.**, M. Brewer, D. Cotoras, C.P. Ewing, D.S. Gruner, K.R. Goodman, J. Harte, K.N. Magnacca, N.D. Martinez, R. Nielsen, P.M. O'Grady, D. Percy, D.K. Price, D. Rabosky, G.K. Roderick A. Rominger, and K.L. Shaw (2013). Community level approach to understanding speciation in Hawaiian lineages.. Hawaii Ecosystems Meeting, Hilo, HI. Honolulu, HI.
- Gillespie, R.G.**, M. Brewer, D. Cotoras, C.P. Ewing, D.S. Gruner, K.R. Goodman, J. Harte, K.N. Magnacca, N.D. Martinez, R. Nielsen, P.M. O'Grady, D. Percy, D.K. Price, D. Rabosky, G.K. Roderick A. Rominger, and K.L. Shaw (2013). Assembly Of Arthropod Communities In Hawaii: Can We Predict Future Response Given A Modified Dynamic?. Hawaii Conservation Conference. Honolulu, HI.
- Brewer M, Croucher PJP, **Gillespie RG** 2013. Evolutionary transcriptomics associated with developmental color switching in an adaptive radiation of Hawaiian Tetragnatha spiders (Araneae: Tetragnathidae).. Arthropod Genomics Symposium and VectorBase Workshop,. University of Notre Dame, Indiana.
- Croucher, PJP, Brewer M, Winchell C, Oxford GS, **Gillespie RG** 2013 Splashes of color in an ocean of genes: the generich transcriptomes of two highly color-polymorphic spiders.. Arthropod Genomics Symposium and VectorBase Workshop, Eck Institute for Global Health. University of Notre Dame, Indiana.
- Will, K, **RG Gillespie**, PT Oboyski, JE Ball, J Gross, R Gurlanick, C Snyder, A Smith, S. Lynn 2013. CalBug and Notes from Nature: Metamorphosis of entomology collection legacy data enabled by citizen science. Entomological Society of America, Austin, Texas. Nov 2013..
- Brewer, M., P. Croucher, and **RG Gillespie**. 2013. Transient versus balanced color polymorphism in adaptive radiation: spiders in the Hawaiian islands. Entomological Society of America, Austin, Texas. Nov 2013.
- Oboyski, PT, Lim JY, Gross LJ, Snyder C, Smith A, Ball J, Will K, **Gillespie R.G.** 2013. Notes from Nature: Citizen science data transcription. Entomological Collections Network. Annual Meeting, Austin TX.
- Esposito, L.A., Brewer, M.S., **Gillespie, R.G.** 2013. "Hidden Beneath the Surface: Adaptive Radiation in the Scorpion Genus *Centruroides* Marx, 1890." 19th International Congress of Arachnology, Kenting National Park, Taiwan.
- Oboyski, P.T., Ball, J.E., **Gillespie, RG**, Will. K. 2012 CalBug: Digitizing California Terrestrial Arthropod Collections. In symposium on "Digitization of Entomological Collections". Entomological Collections Network, Annual Meeting. Knoxville, TN.
- Balukjian, B. and **RG Gillespie**. 2012. Rethinking species: Species delimitation in a radiation of island endemic plant bugs (*Pseudoloxops*) in French Polynesia. Entomological Society of America, Annual Meeting, Knoxville, TN
- Rominger , AJ, DS Gruner, J. Harte, **RG Gillespie**. 2012. Making and breaking a new ecological theory: Does maximum information entropy predict community structure in evolving ecosystems? Ecological Society of America, Portland OR.

- Oboyski, P.T., Nguyen, P., Belongie, S., **Gillespie, R.G.** 2012. Essig Museum: Digitization California Arthropod Collection-CalBug.. IDigBio (Integrated Digitized Biocollections): Augmenting OCR Workshop. Gainesville, Florida.
- Denslow, M.W., Belongie, S., **Gillespie, R.G.**, Guralnick, R., Gross, J., Hill, A., Murrell, Z., Oboyski, P., Sallans, A., Smith. 2012. Notes from Nature:a scalable citizen science platform for transcribing records from natural history collections.. IDigBio (Integrated Digitized Biocollections): Public Participation in Digitization of Biodiversity Specimens Workshop. Gainesville, Florida.
- Oboyski, P.T., Ball, J.E. Ball, Will, K., **Gillespie, RG.** 2012. CalBug:Digitizing California terrestrial arthropod collections. XXIV International Congress of Entomology. Daegu, South Korea
- Hembry, DH, L. Atkinson , C Guo, EA Newman, **RG Gillespie.** 2012. Coevolutionary diversification and network structure of a specialized pollination mutualism on oceanic islands. Ecological Society of America, Portland OR.
- Esposito, L.A., Prendini, L., **Gillespie, R.G.** 2012. "Caribbean Biogeography: insights from the buthid scorpion genus *Centruroides* Marx, 1890." 27th European Congress of Arachnology, Ljubljana, Slovenia.
- Croucher PJP, Lam A, Cotoras D, Mody N, **Gillespie RG,** 2010. Phylogeography, diversity and colonization history of the Hawaiian happy-face spider." , bibl. University of Hawaii, Hilo, Hawaii, American Genetics Association Annual Symposium: Conservation Genomics
- Brunner FS, Winchell CJ, Anderson GL, Yee, A, Croucher PJP, **Gillespie RG.** 2011. Investigating the genetic basis of the color polymorphism in *Theridion californicum*. Lewis & Clark College, Portland, OR, 8- 11th July. 35th Annual Meeting of the American Arachnological Society
- Croucher PJP, Oxford GS, Lam A, **Gillespie RG.** 2011. Population genomics in a changing landscape: Area effects and natural selection in the exuberantly polymorphic spider *Theridion californicum* (Araneae, Theridiidae). Lewis & Clark College, Portland, OR, 8- 11th July, (2011). 35th Annual Meeting of the American Arachnological Society"
- Croucher PJP, Oxford GS, **Gillespie RG.** 2011. Transcriptomics of exuberantly color polymorphic *Theridion* species (Araneae, Theridiidae). Lewis & Clark College, Portland, OR, 8- 11th July, 35th Annual Meeting of the American Arachnological Society
- Cotoras D, Brewer M, Lindberg, D, **Gillespie, RG.** 2011. Another event of convergent evolution in color polymorphism on Theridiidae spiders in the Pacific Ocean? University of Wisconsin at Green Bay, WI, 20th-24th July, 2012, (2012). 36th Annual Meeting of the American Arachnological Society
- Hembry, DH, A. Kawakita, NE Gurr, MA Schmaedick, BG Baldwin, **RG Gillespie** 2011. Non-congruent colonizations of remote islands by a specialized pollinating seed-predation mutualism (Phyllanthaceae: *Glochidion*; Lepidoptera: Gracillariidae: *Epicephala*. Entomological Society of America, Annual Meeting, Reno, Nevada
- Hembry, DH, A. Kawakita, NE Gurr, MA Schmaedick, BG Baldwin, **RG Gillespie** 2011. Codiversification of a pollinating seed-predation mutualism in Eastern Polynesia. SSE/SSB/ASN Meetings, Norman, OK
- Casquet, J., R.G. Gillespie, C. Thébaud. 2011. DNA barcoding and species delimitation in the Mascarene spiders: back and forward between ecological and genetic data. French Society for Systematics (SFS) meeting, Paris, France;

- Cotoras, D., J. Casquet, R.G. Gillespie. 2011. Diversification patterns of Tetragnatha spiders in remote archipelagos on the Pacific Ocean. Evolution of Life on Pacific Islands and Reefs conference, Honolulu, Hawai'i, USA
- Bidegaray-Batista, L, **Gillespie RG**, and Arnedo, MA. 2010. Phylogeography of a montane spider genus in the Iberian Sistema Central mountain range, insights from mitochondrial and nuclear markers. International Congress of Arachnology, Siedlce, Poland. July 2010.
- Wood, HW. Griswold, C, **Gillespie RG**. 2010. Biogeography and Evolution of Pelican Spiders. International Congress of Arachnology, Siedlce, Poland. July 2010.
- Gillespie, RG** 2010. Colonization of remote islands: How predictable is it? Annual meeting of the Society for the Study of Evolution (SSE) and the Society of Systematic Biologists (SSB), Evolution 2010, University of Oregon, Portland.
- Gillespie, RG** 2010. Colonization of remote islands: How predictable is it? Annual meeting of the American Arachnological Society, Eastern Carolina University, Greenville.
- Casquet, J., Thébaud, **Gillespie, R**. 2010. Rôle des effets aléatoires ou déterministes dans la mise en place des communautés écologiques insulaires. Phylocom, Montpellier
- Gillespie, RG**. 2009. Community assembly in adaptive radiation on a hotspot archipelago. Annual meeting of the Society for the Study of Evolution (SSE) and the Society of Systematic Biologists (SSB), Evolution 2009, University of Idaho, Moscow.
- Beavis, A.S. and **RG Gillespie**. 2009. Dispersal strategy shapes the biogeography of two Pacific Island spider families. Annual meeting of the Society for the Study of Evolution (SSE) and the Society of Systematic Biologists (SSB), Evolution 2009, University of Idaho, Moscow.
- Gillespie, RG**. 2009. Diversity and Déjà Vu: History of Species & Communities on Remote Hotspot Islands. New Zealand Entomological Society Annual Meeting, Auckland, New Zealand.
- Roderick, G., J. Deck, C. Moritz and **R. Gillespie**. 2009. Specimen-based databases for the study of invasive species of the Pacific. Pacific Science Intercongress, Proceedings. Papeete, Tahiti
- Gillespie, R.G.**, N. Evenhuis, J. Liebherr, D. Polhemus, G. Roderick, M. Balke, E. Claridge, D. Craig, R. Englund, C. Ewing, D. Hembry, S. Jordan, P. Krushelnycky, S. McEvey, P. Oboyski, P. O'Grady, D. Percy and N. Porch. 2009. Biodiversity of Terrestrial Arthropods of French Polynesia. Pacific Science Intercongress, Proceedings. Papeete, Tahiti.
- Casquet, J., C. Thébaud and **R. Gillespie**. 2009. Hasard, déterminisme et construction des communautés écologiques insulaires d'araignées : comparaison entre les îles du Pacifique et de l'Océan Indien. Pacific Science Intercongress, Proceedings. Papeete, Tahiti.
- Hembry, D., G. Roderick and **R. Gillespie**. 2009. Coevolution and Diversification of an Insect-Plant Mutualism (Phyllanthaceae: Glochidion; Lepidoptera: Gracillariidae: Epicephala) Across Eastern Polynesia. Pacific Science Intercongress, Proceedings. Papeete, Tahiti.
- Ledford, J., P. Paquin, C. Griswold & **R. Gillespie**. 2008. Islands Underground: Species Limits, Phylogenetics, and Conservation of *Neoleptoneta* Spiders in Texas Caves. American Arachnological Society, Annual Meeting. Berkeley, CA
- Crews, SC and **R. Gillespie**. 2008. Patterns of evolution in Caribbean *Selenops*. American Arachnological Society, Annual Meeting. Berkeley, CA
- Croucher, PJP., G. Oxford & **RG Gillespie**. 2008. Not just a happy-face – widespread color polymorphism in the Theridiidae. American Arachnological Society, Annual Meeting. Berkeley, CA.

- Gillespie, R.G.** 2007. Using the past to inform the future: Evolution of species & communities of spiders on remote Pacific Islands. Proceedings, combined 8th Invertebrate Biodiversity & Conservation "Pacific Priorities" / Society of Australian Systematic Biologists Conference, Brisbane, Queensland, Australia
- Medeiros, M, FG Howarth, and **RG Gillespie**. 2007. Evolution of cave-living in Hawaiian Schrankia (Lepidoptera: Noctuidae). Proceedings, combined 8th Invertebrate Biodiversity & Conservation "Pacific Priorities" / Society of Australian Systematic Biologists Conference, Brisbane, Queensland, Australia
- Hembry, D.H., T. Okamoto, and **R.G. Gillespie**. 2007. Dispersal and in situ radiation of an obligate pollination mutualism onto remote oceanic islands in the Pacific. Society for Systematic Biology Annual Meeting, Christchurch, New Zealand
- Gillespie, R.G.**, E.M. Claridge, and G.K. Roderick. 2007. Natural and human-mediated biodiversity dynamics in isolated island communities. Proceedings, 3<sup>rd</sup> Meeting in Ecology and Behaviour, Montpellier, March 2007.
- Gillespie, R.G.** 2007. Evolution of Spiders in the remote islands of Oceania: Communities and connections. Proceedings, International Biogeography Society Meeting, Puerto de la Cruz, Tenerife Canary Islands.
- Crews, S.C. and **R.G. Gillespie**. 2007. Patterns of Diversification of *Selenops* spiders in the Caribbean. International Biogeography Society Meeting, Puerto de la Cruz, Tenerife Canary Islands
- Gillespie, RG.** 2006. Evolution in island communities of spiders: opportunity, chance, and determinism. Abstract. Ecological Society of America, Icons and Upstarts in Ecology, 2006 Meeting, Memphis Tennessee
- Krushelnycky, P.D., and **R.G. Gillespie**. 2006. Intrinsic and Extrinsic Factors Combine to Produce Variable Impacts of Invasive Ants on Native Herbivores. *Proceedings, International Union for the Study of Social Insects Congress* July 30-Aug 5 2006, Washington DC.
- Crews, S., and **R.G. Gillespie**. 2005. Evolutionary Insights From the Disjunct Distribution of the Salt Flat Endemic Spider *Saltonia incerta* Banks (Araneae: Dictynidae) in Southwestern North America. Abstract. Geologic and Biotic Perspectives on Late Cenozoic Drainage History of the Southwestern Great Basin and Lower Colorado River Region. Desert Studies Center, Zzyzx, California
- Roderick, G.K., E. Claridge, N. Davies, and **R.G. Gillespie**. 2005. The Moorea Biocode Project: Integrating DNA with a biodiversity survey and inventory. Joint Conference: Australian Entomological Society's 36th AGM and Scientific Conference, 7th Invertebrate Biodiversity and Conservation Conference, Society of Australian Systematic Biologists Australian National University. Canberra, Australia. Abstracts, 197-198.
- Claridge, E.M., **R.G. Gillespie**, and D. Percy. 2005. Diversification des arthropodes aux Australes : aperçu des études de phylogénie moléculaire des araignées et des insectes. Abstract. Colloque sur la Biodiversité des Iles Australes (Austral Biodiversity Conference), Institut Louis Malardé, Papeete, Tahiti.
- Hotchkiss, S, P. Vitousek, J. Price, B. Baldwin, D. Clague, R. Fleisher, **R. Gillespie**, T. Givnish, and P. O'Grady, 2004. Lineage and landscape--how history influences evolution on a hot-spot archipelago. *Proceedings of the Ecological Society of America*, Portland, Oregon, 1-6 August 2004.

- Vandergast, A.G., **R.G. Gillespie**, G.K. Roderick. 2004. Lava flow vs. gene flow: habitat fragmentation and genetic differentiation in Hawaiian Tetragnatha spiders. Proceedings of the 16th International Congress of Arachnology, p. 176, Ghent University, Belgium.
- Claridge, E.M., **R.G. Gillespie**, G.K. Roderick. 2004. Pacific voyagers: the diversification & decline of Rhyncogonus (Curculionidae: Coleoptera) in the Pacific. *Proceedings of the XII International Congress of Entomology*, Brisbane, 15th – 21st August 2004.
- Gillespie, R.G.**, and G.K. Roderick. 2004. The adventure of few and gain of many: adaptive radiation on remote islands of the Pacific. *Proceedings of the XII International Congress of Entomology*, Brisbane, 15th – 21st August 2004.
- Garb, J.E., **R.G. Gillespie**, and G.K. Roderick. 2004. East meets west: phylogeny & biogeography of the Polynesian thomisid spiders. *Proceedings of the XII International Congress of Entomology*, Brisbane, 15th – 21st August 2004.
- Roderick, G.K., Claridge, E., Krushelnycky, P, **Gillespie, R.G.** 2004. Research Coordination Network: Insect Invasions: Collections and Approaches. *Proceedings Hawaii Conservation Conference*. July 2004.
- Lew, S., and **R.G. Gillespie**. 2003. The Phylogeny of the Oarcinae (Araneae, Mimetidae) *American Arachnology* **68**: 7
- Spagna, J., and **R.G. Gillespie**. 2003. Molecular Phylogenetics and Spinneret Evolution of RTA-clade Spiders *American Arachnology* **68**: 8
- Spagna, J., and **R.G. Gillespie**. 2003. Running performance of the grass-spider *Hololena adnexa* on intermittent surfaces. *American Arachnology* **68**: 18.
- Gillespie, R.G.** 2003. Evolution of spiders on oceanic islands: The venture of few and gain of many. *Proceedings, II Symposium of Island Ecosystems*, Centre for Macaronesian Studies, Funchal 5-9 October. p.14.
- Gillespie, R.G.** 2003. Evolution of spiders on oceanic islands: the venture of few and gain of many. *Proceedings of 9th Congress of the European Society of Evolutionary Biology*. pp. 21.1. University of Leeds, UK
- Garb, J., and **R.G. Gillespie**. 2002 Polynesian voyagers: phylogenetic relationships among Hawaiian crab spiders (Araneae: Thomisidae) *American Arachnology* **66**: 7.
- Spagna, J.C., **R.G. Gillespie**. 2002 Molecular phylogenetic analysis of North American grass-spiders (Araneae: Agelenidae). *American Arachnology* **66**: 12.
- Gillespie, R.G.** 2002. Spiders on the storm: Adaptive radiation on Pacific archipelagos. *American Arachnology* **66**: 7.
- Gillespie, R.G.** 2002. Spiders, Beetles, Planthoppers & Flies: Expedition to Austral Islands. Report to Haut-Commissariat de la Republique en Polynesie Francaise. University of California, Berkeley
- Spagna, J.C., **R.G. Gillespie**. 2001 Cladistics and biogeography of North American grass-spiders. *Am. Zool.* **41**(6) 1593-1593.
- Vandergast, A. G., **R.G. Gillespie**, and G.K. Roderick. 2001. The genetic impacts of habitat fragmentation: lessons from Hawaiian kipuka. Society for Conservation Biology Meeting Abstracts. p. 190 [reviewed in *Environment Hawaii*]
- Garb J.E., and **R.G. Gillespie**. 2000. Parallel patterns in the Pacific? A comparison of phylogenetic diversification in crab spiders (Araneae : Thomisidae) across three Polynesian archipelagos. *American Zoologist* **40**: 1025.

- Gillespie, R.G.**, and M. Heddle. 2000. A key to the endemic Hawaiian Tetragnatha spiders. Hawaii Conservation Conference. p. 24, University of Hawaii, Honolulu.
- Gillespie, R. G.**, G.K. Roderick, M.A. Arnedo, L. Shapiro, L., and A. Bely. 2000. *Spiders, planthoppers and flies: Expedition to Society and Marquesas Islands, June-July 2000*. Report to Haut-Commissariat de la Republique en Polynesie Francaise. University of California, Berkeley.
- Gillespie, R.G.** 1999. Evolution of a spider community in the Hawaiian Islands. *Proceedings of the VIIth Congress of the European Society for Evolutionary Biology*, pp. II-73. Barcelona, Spain. Universitat Autònoma de Barcelona
- Davies, N., **R.G. Gillespie**, and G.K. Roderick. 1999. Island sex: speciation and sexual selection on oceanic islands. *Proceedings of the VIIth Congress of the European Society for Evolutionary Biology*, pp. II-73. Barcelona, Spain. Universitat Autònoma de Barcelona.
- Davies, N., **R.G. Gillespie**, M.A. Arnedo, and G.K. Roderick. 1999. An internet resource for island biologists. Hawaii Conservation Conference. p. 24, University of Hawaii, Honolulu.
- Gillespie, R.G.** 1996. Radiation and phylogeny of tetragnathid spiders (Araneae) in Hawaii. *Proceedings of XX International Congress of Entomology*, p. 83. Florence, Italy.
- Gillespie, R.G.** and G.S. Oxford. 1996. Color polymorphism in the Hawaiian happy-face spider, *Theridion grallator* (Araneae: Theridiidae): Genetic modification and the counter role of selection. *Proceedings of XX International Congress of Entomology*, p. 261. Florence, Italy.
- Gillespie, R.G.** 1995. Evolutionary Analysis of Generation and Loss of Biodiversity Using Hawaiian Spiders. *Proceedings of Conference on Invertebrate Biodiversity and Conservation*, p. 25. Melbourne, Victoria, Australia.
- Gillespie, R.G.** 1992. Pattern and Process in the Evolution of Hawaiian Spiders. Ecological Society of America, Honolulu, Hawaii.
- Gillespie, R.G.** 1992. Conservation Biology of Hawaiian Spiders: A Test System for Global Concerns. Ecological Society of America, Honolulu, Hawaii.
- Gillespie, R.G.** 1992. Pattern and process in speciation: A comparative approach using a Hawaiian spider radiation. XIX International Congress of Entomology, Beijing, China.
- Gillespie, R.G.** 1992. Pattern of speciation among Hawaiian spiders, genus *Tetragnatha*. XII International Congress of Arachnology, Brisbane, Australia.
- Gillespie, R.G.** 1990. Adaptive Radiation of the Spider Genus *Tetragnatha* in Hawaii. International Congress of Systematics and Evolutionary Biology, University of Maryland.

## Keynote/ Plenary Talks

- 2022 Al Boyce Lecture, UC Riverside, Winter 2021 (postponed until 2022)  
Fairfield Osborn Memorial Lecture, Rockefeller University, New York, March 2022
- 2021 British Arachnological Society, presentation on "Women in Arachnology", Dec 2021. (online)  
Society for Island Biology, Alfred Russell Wallace Lecture, Oct 2021: First seminar of the society "Adaptive radiation on oceanic islands: Isolation & connection, repeatability & serendipity" (online)
- 2021 Northern Plains Biological Symposium at North Dakota State University (Fargo, ND); hosted by the Biological Sciences Graduate Student Association.

- 2021 Luso American Foundation, June 2021. "Integrating Eco-evolutionary Data from Islands to Infer Biodiversity Dynamics" (online due to COVID)
- 2020 Humboldt Day India. Indian Biogeographers organized a set of talks from leading biogeographers from across the globe. Sept 2020 (delivered online).
- 2020 Humboldt symposium, Florida Museum of Natural History, Gainesville, Florida, Feb 2020
- 2020 EVENET, 14th International Symposium on <sup>ET</sup><sub>SEP</sub> "Eco-Evolutionary Dynamics", Kortrijk, Belgium. Jan 2020
- 2019 Island Biology Conference, Reunion Island. Third International Conference. Synthesizing island biodiversity theory for community-wide genetic data.
- 2019 Digital Data in Biodiversity Research, Third Annual Conference, The Yale Peabody Museum of Natural History in collaboration with iDigBio of the Florida Museum of Natural History
- 2019 International Biogeography Society, Malaga, Spain
- 2019 New Zealand Entomology Society, Hanmer Springs, New Zealand
- 2018 Sutton Lecture, 2018. University of Oklahoma, Nov 2018.
- 2018 111th Annual Meeting of the German Zoological Society (DZG), Greifswald, Germany, Sept 2018
- 2018 7th International Conference on Environmental Future: Humans and Island Environments, Honolulu, Hawaii April 2018
- 2018 Spring Symposium, Evolutionary Biology and Ecology, Iowa State University.
- 2017 VI Colombian Symposium of Evolutionary Biology, Cali, Colombia, August 2017
- 2017 Biology'17-University of Bern, Swiss Zoological Society, Swiss Botanical Society and the Swiss Systematics Society. Feb 2017
- 2016 Southern Illinois University, Center for Ecology Distinguished Speaker Series, May 2016
- 2016 University of Michigan, early career scientists symposium on "Frontiers in Community Assembly"
- 2015 Barcode of Life Conference, Guelph, Canada, August 18-21 2015
- 2015 Arthropod Genomics Symposium, Manhattan, KS, June 17-19 2015
- 2015 Tropical Conservation Biology and Environmental Science (TCBES) Research Symposium, University of Hawaii at Hilo, April 2015.
- 2014 Island Biology Conference, Honolulu, HI, July 2014
- 2013 European Society of Evolutionary Biology ("ESEB"), Lisbon (Portugal), Aug 2013
- 2013 Seventh International Symposium on "Eco-Evolutionary Dynamics", Leuven, Belgium. Feb 2013
- 2012 International Behavioral Ecology Congress ("ISBE"), Lund (Sweden), August 2012
- 2012 Pacific Entomological Congress, Honolulu, Hawaii, February 2012
- 2012 Darwin Day at the University of Tennessee in Knoxville, February 2012
- 2009 Entomological Society of New Zealand, Annual meeting, April 2009.
- 2008 Mathias Symposium, Bodega Marine Laboratory/Reserve, California Feb. 2008. see <http://nrs.ucop.edu/mathias-symposium/Mathias-Symposium08.htm>
- 2007 Combined 8th Invertebrate Biodiversity & Conservation "Pacific Priorities" / Society of Australian Systematic Biologists Conference, Brisbane, Queensland, Australia
- 2007 3<sup>rd</sup> Meeting in Ecology and Behaviour, Montpellier, March 2007

- 2006 23<sup>rd</sup> European Colloquium in Arachnology, Barcelona, August 2006
- 2006 NSF GK-12 annual meeting. UC Berkeley GK-12 program, Washington DC March 2006
- 2006 Conservation Genetics Meeting Asilomar. “Future of Conservation Genetics” Fall 2005
- 2005 Society of Evolutionary Studies, Japan 7th Annual Meeting in Sendai. Summer 2005
- 2004 16th International Congress of Arachnology, Brussels, August 2004
- 2003 Symposium on Island Ecosystems, Funchal, Madeira Island, Portugal, October 2003
- 2003 Island Biodiversity, A Conservation Approach. October 2003, Workshop, Funchal, Madeira Island, Portugal
- 2003 European Society of Evolutionary Biology, Leeds, England, August 2003. For symposium “Evolution on islands: patterns of colonization, adaptation, and speciation”
- 2002 American Association for the Advancement of Science, Waimea, Hawaii. June. 2002 For symposium “Biogeography with a Pacific Flavor”
- 2001 International conference on Ecology of Insular Biotas, Wellington, New Zealand. February 2001

### Invited Seminars

- 2022 Cornell University, April 2022  
University of California Berkeley, Learning in Retirement (series on invasive species), Feb 2022
- 2021 Data Science Coast to Coast, University of California Berkeley, May 2021  
University of Hawaii, Manoa, March 2021  
Rockefeller University, New York, March 2021 (online due to COVID)  
University of California, Santa Cruz, Ecology & Evolutionary Biology Department Seminar
- 2020 Western Kentucky University, Department Seminar, Nov 2020 (delivered online)  
University of Nevada, Las Vegas, Department seminar, School of Life Sciences. April 2020. (Postponed due to COVID19)  
University of California, Santa Cruz, Ecology & Evolutionary Biology Department Seminar, May 2020 (Postponed due to COVID19)
- 2019 Australia National University, Center for Biodiversity Analysis  
Oxford University, England, Department of Zoology  
Trier University, Germany, Department of Biogeography  
University of Groningen, Institute for Evolutionary Life Sciences, Netherlands
- 2018 University of Oklahoma, Department Seminar, Ecology and Evolutionary Biology  
University of California, Berkeley, Berkeley Institute for Data Science Distinguished Seminar Series.  
German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, Germany. Seminar series  
Iowa State University, Department of Entomology, Spring Seminar Series.
- 2017 Université de Rennes, Ecosystèmes, Biodiversité, Evolution, France, Observatoire des Sciences de l'Univers de Rennes (OSUR)  
Wageningen University, Netherlands, WIAS mini-seminar: Evolutionary Ecology - Biodiversity from genes to species communities  
Okinawa Institute of Science and Technology, Okinawa, Japan, October 2017

- University of Valencia, Spain. Cavanilles” Institute of Biodiversity and Evolutionary Biology, “Memorial Peregrí Casanova” in honor of his introducing the ideas of Darwin in the early XXth century, March 2017
- 2016 University of Edinburgh, Scotland. “Postgraduate Speaker”, Institute of Evolutionary Biology, Dec 2016  
Tokyo Zoological Park Society, Tokyo, Japan. Oct 2016  
University of Connecticut, Storrs. Invited graduate student speaker, Sept 2016  
University of California Merced, August 2016  
Harvard University lecture series, March 2016  
University of Toronto Scarborough, Graduate Student invited speaker for the New Frontier Seminar, Feb 2016  
Stony Brook University, Williams Speaker in Ecology (elected as the 2015-16 graduate student invited speaker), March 2016  
University of California San Diego, Feb 2016  
University of British Columbia, Vancouver, Graduate Student invited speaker; Jan 2016
- 2015 Linnean Society of London, Sir Julian Huxley Lecture, Oct 2015  
University of Sheffield, England; Oct 2015  
California Academy of Sciences, Nov 2015  
University of Kansas, Dept Geology, Feb 2015
- 2014 University of North Carolina, Sept 2014 (Biology Graduate Student Association invited speaker)  
University of Chicago, Department of Ecology and Evolution, Feb 2014  
Universität Basel, Switzerland. Zoologisches Institut, March 2014  
Universität Bern, Switzerland. Institute of Ecology and Evolution, March 2014
- 2013 University of Alabama, Department of Biological Sciences, Nov 2013  
Field Museum, Chicago, inaugural speaker for Field Museum Women in Science (FMWIS) group (turned down because of conflict with the review of Senckenberg, Germany, at same time)  
University of Munich, Germany, Department Evolutionary Biology  
The Hilgendorf Lecture, University of Tuebingen & Max Planck Institute of Developmental Biology, May 2013  
University of California Berkeley, Museum of Vertebrate Zoology, April 2013  
Harvard University, OEB, March 2013 (elected as the 2012-13 graduate student invited speaker)  
University of California, Santa Cruz, February 2013
- 2012 Washington University, St Louis, Evolution, Ecology and Population Biology program (student-invited speaker for 2012)  
University of California Berkeley, ESPM, Nov 2012  
University of Hawaii, Manoa, Dept Biology, Oct 2012  
University of California Irvine, Dept Biology, May 2012  
Santa Clara University, California, March 2012  
University of California Riverside, Dept Entomology, Feb 2012  
NimBIOS, University of Tennessee, Knoxville, Feb 2012
- 2011 Michigan State University, EEBB, Sept 2011

- University of California Berkeley, Think Evolution III: A summer institute for science educators, August 2011  
East Bay Science Café, May 2011  
San Francisco State University, Dept. Biology, May 2011  
University of California Merced, Darwin Day Lecture, February 2011
- 2010 University of California Berkeley, Learning in Retirement, November 2010  
University of California Berkeley, Ecosystem Sciences, October 2010  
University of California Davis, February 2010  
University of Colorado, Boulder, April 2010  
Rossmoor Alumni Club, January 2010
- 2009 University of British Columbia, Vancouver, November 2009  
University of Utah, Salt Lake City, October 2009  
California Academy of Sciences, May 2009  
Auckland University, New Zealand, April 2009  
The American Museum of Natural History, New York, January 2009  
AAAS, Washington DC, Graduate Students in K-12 Education, March 2009
- 2008 The Field Museum, Chicago, January 2008  
University of California, Berkeley, Department of Environmental Science, Spring 2008
- 2007 Macquarie University (Sydney, Australia), Dept. Biology, December 2007  
Università di Siena (Italy), Dipartimento di Biologica Evolutivo, Summer 2007  
University of Nottingham (England), Department of Biology, Spring 2007  
University of York (England), Department of Biology, Spring 2007  
Universitat de Barcelona (Spain), Departament de Biología Animal, Spring 2007.  
Laboratoire Evolution et Diversité Biologique, Toulouse (France), Spring 2007  
CNRS-CEFE, Montpellier (France), Spring 2007
- 2006 Washington State University, Paul E. Catts Memorial Lecture. Pullman, Spring 2006.  
University of California, Davis, Entomology, Spring 2006  
University of California, Los Angeles, Ecology & Evolutionary Biology, Spring 2006
- 2005 University of Missouri, St Louis, Fall 2005.  
Smithsonian Tropical Research Institute Panama, Spring 2005  
San Francisco State University, Spring 2005.  
Oakland Museum, Natural Sciences Guild, Spring 2005
- 2004 Utah State University, Logan, Utah. Fall 2004  
California Science Education Conference, San Jose, Fall 2004  
Harvard University, Boston Mass. Spring 2004  
University of California Berkeley, Museum of Paleontology, Spring 2004
- 2003 University of Kentucky, Center for Ecology, Evolution, and Behavior  
University of Illinois at Urbana-Champaign, Department of Entomology
- 2002 University of Arizona, Tucson, Department of Entomology  
University of Nevada, Reno, Department of Ecology & Evolutionary Biology  
Pacific Islands Ecosystems Research Center (PIERC) of the USGS and The Friends of Haleakala National Park – invited seminar given in Pukalani, Maui "Long jaws and Happy Faces: Adaptive Radiation of Spiders in Hawai'i" June 2002
- 2001 University of Tennessee, Knoxville, Dept Ecology & Evolutionary Biology Fall 2001

- Zoological Society of London, Institute of Zoology, Summer 2001  
University of Oregon, Ecology & Evolution Program. Spring 2001
- 2000 University of California, Davis, Entomology, October 2000  
Colorado State University, Gillette Entomology Club. October 2000  
Target Specialty Products. Spider biology update in "Structural Pest Control"  
Simon Fraser University, Canada, Department of Biological Sciences. September 2000.  
University of California, Berkeley, Integrative Biol, Systematics Discussion Group, March.  
University of California, Berkeley, Environment Science, Policy & Management, Dept. Seminar.  
Bay Area Biosystematists. Invited by members of the group.
- 1999 San Diego State University. Invited by faculty and students in Evolutionary Biology Program  
University of California, Berkeley, Museum Vertebrate Zoology, Seminar at Museum Lunch.

### Invited Symposium Talks

- 2022 Discussion Leader, **Gordon Research Conference SPECIATION 2021: On the Origin and Persistence of Species**, Feb 2021, Tuscany Il Ciocco, Lucca, Italy
- 2021 **Azorean Biodiversity Group** (cE3c) with the sponsorship of the American Corners Portugal and the University of the Azores. Part of symposium on "*Insect decline: the role of non native species on islands*"
- 2020 **Evolution Cleveland 2020**. In Symposium "*Theory of Evolution*", June 19-23, Cleveland, USA (Postponed due to COVID19)
- 2020 **Animal Behavior Society**. In Symposium "*ABS 2020: Susan Riechert Festschrift*", July 30-Aug 3, Knoxville, TN, USA. (Postponed due to COVID19)
- 2019 **Commemorative Symposium for the International Prize for Biology**, 2019, Tokyo, Japan, Nov 2019.
- 2019 **International Congress of Arachnology**, Christchurch, New Zealand. "*Evolution of spiders on oceanic islands: The venture of few and gain of many*" Feb 10-15
- 2018 **Evolution Montpellier 2018**. Second Joint Conference on Evolutionary Biology. "*Comparative phylogeography of arthropod communities through the lens of an island chronosequence*". In Symposium "*Comparative and mechanistic phylogeography in the big data era*", August 19-22, Montpellier, France.
- 2016 **International Congress of Entomology**. "*Diversity vs. disparity: contrasting patterns of adaptive radiation among Hawaiian spiders*". In Symposium "Rapid Evolutionary Radiations in Insects: Phylogenetic Causes and Consequences of Life in the Fast Lane", Sept 25-30, 2016, Orlando, FL.
- 2016 **Society for Island Biology Conference**. Symposium "Diversification, colonisation and ecological limits on islands: A macroevolutionary perspective " (I was invited; talk given by Andrew Rominger), July 18-22, 2016, Terceira, Azores.
- 2016 **Society for Island Biology Conference**. Symposium "Biodiversity and conservation of island plants" (co-author of talk by Carl Beierkuhnlein), July 18-22, 2016, Terceira, Azores.

- 2016 **Society for Island Biology Conference.** Symposium “iDigBio-Digitized natural history collections: research uses for understanding island biodiversity, biogeography, and communities. July 18-22, 2016, Terceira, Azores
- 2016 **Society for Island Biology Conference.** Symposium "Invertebrate evolution on islands" (I was invited; talk given by Henrik Krehenwinkel), July 18-22, 2016, Terceira, Azores.
- 2016 **Canadian Society for Ecology and Evolution (CSEE)** “*Evolution of Ecological Communities through the Lens of an Island Chronosequence*” In symposium on "interplay between ecology and evolution in spatially structured landscapes", July 7-11, 2016, St John’s, Newfoundland.
- 2015 **Association for Tropical Biology and Conservation (ATBC)** symposium on "Understanding resilience in Island ecosystems", July 13-16, 2015, Honolulu, HI
- 2015 **Society for the Study of Evolution** symposium on "The multiple dimensions of biodiversity science", June 26-30, 2015, Guarujá, São Paulo, Brazil
- 2015 **Society for American Archaeology (SAA)** symposium on "*Islands and Invasives: The Archaeology of Plant and Animal Translocations*", April 15-19, 2015, San Francisco
- 2013 **Berkeley Institute for Data Science (BIDS)** – Launch, UC Berkeley. 12 Dec 2013.
- 2013 **Entomological Society of America Member Symposium:** New Insights into the Evolution of Insect Coloration (presentation delivered by Michael Brewer)
- 2013 **American Genetics Association.** *Next Generation Population Genomics For Nonmodel Taxa*, Cornell July 2013.
- 2013 **INTECOL, International Association for Ecology**, London, Aug 2013 (invited; talk given by Prof Dan Gruner)
- 2011 **French Polynesia Palaeo- and Neo-Ecology Symposium**, Nov-Dec 2011
- 2011 **Evolution of Life on Pacific Islands and Reefs**, Honolulu in May 2011
- 2011 **International Biogeography Society** symposium on New perspectives on comparative phylogeography, Crete, January 2011.
- 2010 **German National Academy of Sciences.** Symposium on Modern approaches to ecology and evolution: Genomics of speciation, species differences and adaptations. Konstanz, Germany. August 2010
- 2010 **American Genetics Association**, Symposium on Conservation Genomics. Hilo, Hawaii, July 2010
- 2009 **NSF GK12 annual meeting** – international activities. Washington DC March 2009
- 2008 **Spider systematics, International Congress of Arachnology**, São Pedro, Brazil, August 2008.
- 2007 **The Theory of Island Biogeography at 40: Impacts and Prospects. Harvard University**, Cambridge, MA. October 5-6 2007
- 2007 **Microevolutionary Change in Human-altered Environments**, UCLA Feb 2007.
- 2006 **Ecological Society of America, Niche vs. neutral and the middle ground:** what have we learned about community assembly? Memphis Tennessee, August 2006
- 2006 **International Union for the Study of Social Insects Congress**, Symposium on Invasive Ants. “Intrinsic and Extrinsic Factors Combine to Produce Variable Impacts of Invasive Ants on Native Herbivores” (Krushelnycky, P.D., Gillespie, R.G.) July 30-Aug 5 2006, Washington DC
- 2005 **NSF/ DFG (Deutsche Forschungsgemeinschaft; German Research Foundation)** joint meeting on Biodiversity, Washington DC, Nov. 2005

- 2005 **Australian Entomological Society's 36th AGM and Scientific Conference/7<sup>th</sup>**  
Invertebrate Biodiversity and Conservation Conference/Society of Australian Systematic Biologists. Symposium on Entomology and Invertebrate Conservation "The Moorea Biocode Project: Integrating DNA with a Biodiversity Survey and Inventory" (Roderick, G.K., Claridge, E., Davies, N., Gillespie, R.G.) Canberra, Australia. 4 – 9 December 2005
- 2005 **8th Annual New Zealand Molecular Ecology Meeting**, Wainui, Banks Peninsula, Canterbury, New Zealand. 2-4 Dec. 2005
- 2005 **Community Genetics and Phylogenetics Symposium**, University of Minnesota, April 2005
- 2003 **Late Cenozoic Drainage Basin Symposium**, "Evolutionary insights from the disjunct distribution of the salt flat endemic spider *Saltonia incerta* (Banks) (Araneae: Dictynidae) in the Southwestern US" (Crews, S. C. Gillespie, R.G.), Zzyzx
- 2002 **American Association for the Advancement of Science**, Waimea, Hawaii. June. 2002 "Spiders on the Storm: Adaptive Radiation on Pacific Archipelagos"
- 2001 **Entomological Society of America**, San Diego, California, December 2001. In Symposium, "Deep time? Recent Advances in Insect Biogeography"
- 1999 **VIIth Congress of the European Society for Evolutionary Biology**, Spain. 1999. In Symposium, "Biogeography of Oceanic Islands"
- 1999 **VIIth Congress of the European Society for Evolutionary Biology**, Spain. 1999. In Symposium, "The genetics and demography of ancestral populations: Inferences from multi-locus sequence data"

### Invited Workshop Organization & Participation:

- 2020 **sELDIG/ sEcoEvo: Combining and integrating approaches**, Lund, Sweden. **Workshop leader and participant.** (Postponed due to COVID19)
- 2019 **sELDIG/ sEcoEvo: Combining and integrating approaches**, Prague. **Workshop leader and participant.**
- 2018 **sEcoEvo: The Nexus of Ecology Evolution in Space Time**, Leipzig, Germany. **Workshop leader and participant.**
- 2018 **Cross-scale processes impacting biodiversity** - Biodiversity Research Coordination Network (RCN). University of Minnesota
- 2017 **The Nexus of Ecology Evolution in Space Time** – Santa Fe Institute, New Mexico
- 2017 **Berkeley Initiative in Data Science Education Working Group** – New Orleans, LA
- 2017 **sELDIG: Explaining the Latitudinal Diversity Gradient: synthesizing knowledge via data-driven mechanistic modeling**, Leipzig, Germany
- 2017 **The role of museums in modern evolutionary biology** - Gothenburg Centre of Advanced Studies in Science and Technology (GoCAS), Sweden.
- 2017 **Biodiversity Information Systems** – On the organizing committee for an International team to examine collaborations and sustainability of Biodiversity Information Systems. With James Hanken (Encyclopedia of Life), Larry Page (iDigBio), John LaSalle (Atlas of Living Australia), Donald Hobern (GBIF), and Volker Mosbrugger (Senckenberg). Held at the Senckenberg, Frankfurt, March 2017
- 2014 **Amazonian University IKIAM Workshop**-Ministry of Knowledge and Human Talent (MCCTH), Tena, Ecuador. Second workshop on establishing The Amazonian University IKIAM. 23-27 Sep 2014.

- 2014 **French Foundation for Research on Biodiversity** – FRB : *Community Assembly on Remote Islands: Does Equilibrium Theory Apply?* Aix-en-Provence, France. March 2014
- 2013 **Amazonian University IKIAM Workshop**–Ministry of Knowledge and Human Talent (MCCTH), Tena, Ecuador. Workshop on the establishment of The Amazonian University IKIAM. 1-8 Dec 2013.
- 2013 **Zentrum für interdisziplinäre Forschung (ZiF)**, *Structure and dynamics of meta-food webs*, Bielefeld, Germany. 16-18 Sept 2013
- 2013 **Bioinformatics workshop. International Biogeography Society**, Organizer, Florida 2013
- 2012 **Zooniverse Project Workshop** (Citizen Science), Adler Planetarium, Chicago, May 2013, May 2012
- 2012 **French Foundation for Research on Biodiversity** – FRB : *Community Assembly on Remote Islands: Does Equilibrium Theory Apply?* Aix-en-Provence, France Sept 2012
- 2009 **NSF Systematics and Biodiversity workshop**, Chicago, May 2009
- 2007 **National Science Foundation-funded workshop** on *Really big biogeographically-based integrative historical and ecological science: grand collaborative studies of whole biotas*, Las Vegas Nevada. May 2007 (invited, but unable to attend due to visa issues at last minute).
- 2006 **NESCent Catalysis meeting on Caribbean Diversity** in Punta Cana. Biogeographic Comparison of Pacific Biotas with those in the Caribbean. Punta Cana, Dominican Republic, July 2006
- 2005 **Colloque sur la Biodiversité des Iles Australes** (Austral Biodiversity Conference). “Diversification des arthropodes aux Australes : aperçu des études de phylogénie moléculaire des araignées et des insectes” (Claridge, E.M., Gillespie, R.G., Percy, D.) Institut Louis Malardé, Papeete, Tahiti, 8-9 Nov 2005
- 2002 Meeting to evaluate connections among geological history, climate history, landscape, and phylogenies of Hawaiian organisms. Stanford University March 25-26 2002 (organized by Professor P.M. Vitousek)

## Informal Talks

- Auwahi Forest Restoration & Hui No’eau Visual Arts Center, “*Native Hawaiian spiders & other small living things – looking glasses into the evolutionary biology of the islands*” Makawao, Maui, Apr 2018
- Cal Future Forum**, UC Berkeley, May 2017, see <https://calfutureforum.berkeley.edu>
- National Geographic Summit: Berkeley, Nov 2017
- Think Evolution: A summer institute for science educators, UC Berkeley. Jul 2014. Presentation on islands
- Renaissance Breakfast Club, Corte Madera, May 2013
- Head Royce School, Assembly presentation, Dec 2012.
- Science@Cal, talk on global change and biodiversity dynamics to general public, Nov 2012
- Explorit Science Center, Davis, Community Science Project “Spiders In Your World”.
- Head Royce School, Jan 2012. Presentation to AP Environmental Science class
- Think Evolution III: A summer institute for science educators, UC Berkeley. Aug 2011. Presentation on “Lots from little: Explosions of species on isolated islands”.
- Head Royce School, Jan 2011. Presentation to AP Environmental Science class
- The Bone Room, Berkeley, “How To Make A Happy Face Spider”. July 2010.

East Bay Science Café, Oakland, CA, Sep 2007

### Service to Profession – Institutional Reviews

**San Diego State University**, Review of SDSU and UC Riverside joint PhD program in Evolutionary Biology, Nov 2019

**Redpath Museum at McGill University**, Montreal, QC, Canada, November 2019

**Institute of Biology Leiden**, Netherlands. November 2017

**Okinawa Institute of Science and Technology** (<https://www.oist.jp>), Okinawa, Japan, October 2017

**Natural History Museum, London**, England. June 2017

**Senckenberg Research Institutes and Natural History Museums** (Germany)-member of formal review board for evaluation. September 2013

**California Academy of Sciences**, External Review Committee (with R. Martin, M. Novacek, and D. Lipscomb) – Evaluated Research Program, Spring 2006

### Service to Profession – National & International

Special Issue Editor, *Molecular Ecology*, 2016-present (Associate Editor 2008-2016)

Flanders Research Foundation (FWO) “EVENET”, member. EVENET seeks to advance the field of eco-evolutionary interactions through a network of researchers

Palmyra Advisory Group, member of the inaugural class, 2021 – present

Deputy Editor in Chief, *Journal of Biogeography*, 2018 - present

Senior Editor, *Molecular Ecology*, 2016-present (Associate Editor 2008-2016)

Advisory Board, [iBioGen](#) – European effort to unify data collection and develop models for understanding processes that shape biodiversity dynamics of island communities.

OneZoom [science advisory panel member](#). OneZoom aims to provide easy access to scientific knowledge on biodiversity and evolution, and raise awareness about life on earth and the need to conserve it.

Associate Editor, *Journal of Biogeography*, 2016 - present

Associate Editor, *Journal of Heredity*, 2019 - 2020

American Institute of Biological Sciences (AIBS) and NSF Planning Committee for national Innovation Prize Competition -- *Beyond the Box*; to stimulate development of new technology to digitize the contents of a standard drawer of insects in an entomology collection. Aug-Sept 2014

Amazonian University IKIAM-Ministry of Knowledge and Human Talent (MCCTH), Tena, Ecuador. Advise on the establishment of The Amazonian University IKIAM. Dec 2013, Sept 2014

Island Biology 2014-An International Conference on Island Evolution, Ecology, and Conservation, Honolulu HI. Organizing and Advisory Committee.

California Biodiversity Citizen Science, California Academy of Sciences, May 2012

Associate Editor, *Molecular Ecology*, 2008-2016

Organizer, American Arachnological Society Meeting, Berkeley, CA Summer 2008

Senior Research Fellow, Center for Tropical Research/Institute of the Environment/UCLA

## Panels and Committees

- National Science Foundation. Panel member, Understanding the Rules of Life: Emerging Networks (URoL-EN) Panel. June 2021
- National Science Foundation. Panel member, Integrative Research in Biology (IntBio) Panel. May 2021
- National Academy of Science: Committee to Develop a Booklet on Biodiversity for the Public and Policy Makers, July 2020-Feb 2022.
- National Science Foundation. Panel member, Science & Technology Centers Panel. Sept 2019
- National Science Foundation. Panel member, Dimensions in Biodiversity Panel. May 2019
- National Science Foundation. Panel member, Dimensions in Biodiversity Panel. May 2017
- National Science Foundation. Panel member, Postdoctoral Fellowships. February 2015
- National Science Foundation. Panel member, Dimensions in Biodiversity Panel. June 2014
- Molecular Ecology* (journal) prize committee, 2013; 2014 (chair)
- American Society of Naturalists. Chair, Committee for Wilson Award, 2012-2013; member 2010-2012
- National Science Foundation. Panel member, Evolutionary Ecology Panel. March 2012
- Natural Reserve System Mildred E. Mathias Graduate Student Research Grant Program. 2011-committee member; 2012 – chair of committee.
- National Science Foundation. Panel member, Graduate Students in K-12 Education (GK-12) Panel. August 2010
- Society for Study of Evolution, Hamilton Award committee, 2010.
- National Science Foundation. Panel member, PEET and BS&I Panel. May. 2009
- Institute Museum & Library Science, Proposal Panel member, May 2008
- National Science Foundation. Panel member, Phylobiogeography Panel. March. 2008
- Advisor, Red Hill Studios NSF-funded "BioArcade"-a suite of biology-based online games for middle-school students. After kids have played the games, they can then build their own versions of the games and upload them to PBSKids for other kids to play
- National Science Foundation. Panel member, Graduate Students in K-12 Education. Aug. 2008
- American Society of Naturalists, The Sewall Wright Award (Prize) Committee. 1999-present
- Evolutionary Applications*, Editorial Board, 2006-present
- NESCent Catalysis meeting on Caribbean Diversity in Punta Cana. Member of working group. . Biogeographic Comparison of Pacific Biotas with those in the Caribbean. Punta Cana, Dominican Republic, July 2006
- Invertebrate Systematics*-International Member of the Advisory Committee, 2006-present
- National Center for Ecological Analysis and Synthesis (NCEAS) Panel Member,-part of a working group on "Adaptive Radiation" (PI Jonathan Losos), January 2006
- Editorial Board, University of California Publications in Entomology, May 2005-present
- National Science Foundation, Panel member. Science, Technology, Engineering, and Mathematics Talent Expansion Program (STEP). April 2005
- Florida International University Program on Undergraduate Mentoring in Environmental Biology-External Review Committee. Meeting held at FIU April 2005

Cooperative Ecosystems Studies Unit (CESU)-development of formal partnership between UC Berkeley CESU and CESU for Hawaii-Pacific Islands, Honolulu March 2005  
American Arachnological Society-Board of Directors, 2002-2004.  
*Pan Pacific Entomologist*, Editor, 2004- present.  
External Review Panel for Department of Entomology, University of Riverside. Part of 3-member panel to evaluate department. May 2003  
Florida International University Program on Undergraduate Mentoring in Environmental Biology-External Review Committee. Meeting held at FIU April 2003  
National Center for Ecological Analysis and Synthesis (NCEAS) Panel Member, – part of a working group on “Adaptive Radiation” (PI Jonathan Losos). January 2002  
Environmental Protection Agency (EPA) 2002 Science to Achieve Results (STAR) Fellowships for Graduate Study program. Panel member April 2002  
National Science Foundation. Panel member, Biological Research Collections. Dec. 1998  
American Society of Naturalists, The Sewall Wright Award (Prize) Committee. 1999-2002  
Sustainable Ecosystems Institute, scientific panel  
American Society of Naturalists, Nominating Committee. 1998 – 2001 (Chair 2000-2001)  
Reviewer for Steacie Selection Committee, Evolution and Ecology team at the Natural Sciences and Engineering Research Council of Canada (NSERC). 2001-2002  
National Science Foundation. Panel member, Biotic Surveys and Inventories. Feb. 1998

## Tenure & Promotion Reviews

Department of Biological Sciences, University of Idaho, 2016  
School of Life Sciences, Arizona State University, 2016  
American Museum of Natural History, 2016  
Ecology and Evolutionary Biology, University of Colorado, Boulder, Colorado, 2016  
Department of Entomology, University of Arizona, 2016  
Department of Biology, Boston University, 2015  
Institute for Biodiversity Science and Sustainability, California Academy of Sciences, 2015  
National Museum of Natural History, Smithsonian Institution, 2015  
Field Museum of Natural History, Chicago, 2014  
Biodiversity Institute, University of Kansas, 2014  
Department of Ecology and Evolution, Stony Brook University, 2014  
Department of Entomology, University of California, Riverside, 2013  
Biological Sciences Department, University of Alabama, 2013  
Dept Biology, City College of New York, 2013  
Department of Entomology, Field Museum, Chicago, 2013  
Department of Entomology, Ohio State University, 2012  
Department of Botany, University of Hawaii, 2012  
Department of Entomology, University of Maryland, 2012  
Department of Entomology, University of Illinois, 2012  
Department of Biology, Auckland University, New Zealand, 2012  
Department of Biology, Drexel University and Academy of Natural Sciences, 2012  
Department of Entomology, American Museum of Natural History, 2012  
Department of Botany, Smithsonian Institution, 2009  
Department of Zoology, University of Hawaii, Manoa, 2009

Department of Biology, San Diego State University. 2009  
Department of Entomology, University of California Davis, 2009  
Department of Biology, East Carolina University, Greenville. 2009  
Department of Biology, University of California Riverside, 2007  
School of Biological Sciences, University of East Anglia, 2006  
Department of Natural Resources, Cornell University, 2006  
Department of Entomology, University of Illinois Urbana/ Champaign  
Curriculum Research & Development Group, University of Hawaii, Manoa, 2006  
Department of Neurobiology and Behavior, Cornell University, 2006  
Department of Zoology, University of California Riverside, 2006  
Department of Entomology & Program in Ecology & Evolutionary Biol., University of Illinois, 2006  
Department of Natural Resources, Cornell University, 2006  
Department of Biology, University of California, Riverside. 2005  
Department of Biology, San Diego State University. 2005  
Department of Entomology, California Academy of Sciences 1999, 2005  
Florida International University, Miami 2003  
Pacific Biomedical Research Center, University of Hawaii at Manoa, 2003  
Department of Biology, Utah State University. 2002  
Department of Zoology, Field Museum, Chicago, 2003, 2005  
Department of Biological Sciences, University of Alberta, Canada, 2002  
Department of Biology, University of Maryland, 2001

## Reviews of Grant Proposals, Awards and Journal Manuscripts

### Grant proposals

Belgian Science Policy Office (BELSPO), 'BRAIN-be' (2013), Singapore Ministry of Education (MOE) (2012, 2013), NSERC Canada (2012), NSF (ongoing), Charles A. and Anne Morrow Lindbergh Foundation, Guggenheim Foundation, MacArthur Foundation (Genius Awards), National Environmental Research Council (NERC), National Science Foundation, panels (Systematics, Population Biology, Ecology), National Geographic Society, Smithsonian, Swiss National Science Foundation National Research Council (Div. Biology & Medicine), US Army Research Program.

### Journal manuscripts

*American Naturalist*, *American Philosophical Society*, *Behavioral Ecology and Sociobiology*, *Biological Control: Theory and Applications in Pest Management*, *Biological Journal of the Linnean Society*, *Ecological Society of America--Ecology*, *Evolution*, *Genetics*, *Heredity*, *Invertebrate Taxonomy*, *Journal of Arachnology*, *Journal of Evolutionary Biology*, *Journal of Insect Behavior*, *Micronesica*, *Molecular Ecology*, *Molecular Phylogenetics and Evolution*, *Nature*, *Netherlands Journal of Zoology*, *Pacific Science*, *Proceedings of the Hawaiian Entomological Society*, *Proceedings of the Royal Society, London*, *Trends in Ecology and Evolution*, *Zoological Studies*

## Service to Profession – UC Berkeley

Head Graduate Advisor, Environmental Science, Policy, and Management, 2021-present.  
Science at Cal Advisory Council, 2019 - present

Hessie O'Brien Academic Program Committee, 2020 - present  
Faculty Council for the Berkeley Institute for Data Science (BIDS), 2019 - present  
Faculty Study Abroad Advisory Board, 2019 - present  
Campus Signature Initiative, member, 2018 – 2020  
Search Committee, Museum of Vertebrate Zoology, 2017  
BIDS Advisory Board, 2017-2018  
Member, College of Natural Resources Executive Committee (EXCOM), 2017-present  
Ad hoc reviews, 2014, 2016, 2018  
Campus Review Committee, 2018  
BIDS Education & Training Working Group, 2017  
Affiliate, Institute of European Studies, 2016-present.  
UC System, Statewide Informatics and GIS (GIS) Program Advisory Committee 2013-2015  
UC Berkeley Faculty Advisory Board, Data Science Planning Initiative, Dec 2015- Sept 2016  
UC Berkeley Committee on Prizes 2013-2015  
UC System, Statewide Informatics and GIS (GIS) Program Advisory Committee 2013-2015  
ESPM/CNR, Head Advisor, Molecular Environmental Biology (MEB) major 2003-present  
University of California Berkeley: Graduate student admissions committee. Winter 2012  
Presentation on outreach and graduate education for UC Berkeley College of Natural Resources  
Advisory Board, Nov 2005  
Committee on Prizes, UC Berkeley (primary role is to find a candidate for the University Medal),  
2004-2007.  
Library Prize committee, UC Berkeley, 2005.

### Professional Consulting and Advising:

Hawaii Public Radio, [Hawai'i is home to some of the most unique spiders in the world](#). Oct 31, 2021.  
Podcast on "New Species", 2021, Episode 4 - [New Species – of Happy Face spiders in Hawaii](#)  
The Sunday Post (Scotland), Nov 28 2010. "Kept lucky spiders above her bed"  
Évolution et adaptation sur des millions d'années. La Dépêche, ENVIRONNEMENT-Araignées et insectes terrestres en Polynésie française. Dimanche 22 août 2010  
Hana Hou Magazine of Hawaiian Airlines. Merry Pranksters. June 2011 Article about colors of Hawaiian Happy Face Spiders.  
Malamalama Magazine of the University of Hawaii. 2011 New Hawaiian Spider Species Found. Report on work with Malia Rivera on Hawaiian spiders  
'Daily Planet' (Discovery Canada) – took videos of my fieldwork as part of a series of segments about the lives and work of field biologists, July 2010.  
Advisor to University of Nebraska Lincoln's team on Semantic Cyberinfrastructure for Investigation and Discovery for their "Biofinity Project", an integrated bioinformatics environment that federates genomics data with biodiversity data and provides a collection of popular bioinformatics tools. October 2009.  
Advisor on NSF BioArcade proposal submitted by Red Hill Studios, Larkspur, CA, to develop a series of biology based games.  
BBC Wildlife, 2006. Strange but true ...Hawaiian horror story. BBC Wildlife 24(9) 43 (see also: A spidery stab in the dark. See also "Entangled.org" <http://www.entangled.org/2006/08/16/>)

Advised on behavior and biology of Hawaiian spiders for Leinoa M Kong, student at Maui Community College; advised on behavior of Hawaiian spiders, in particular *Doryonychus raptor*, for Mary Meinking Chambers, Children's Author in: "AppleSeeds," "Boy's Quest," "Discovery Trails," "FACES," "Family Fun," "Highlights," "Hopscotch," "Nature Friends," SIRS on-line database, & "Wee Ones."; Children's Illustrator in "Wee Ones

Head Royce School, Oakland. Seminar presented for all Middle School classes (Grades 6-8), March 2006

"Buggin with Ruud" – Advised on New Zealand TV series that featured Hawaiian Happy Face Spiders

Science Today Radio Program interview-UC Office of the President – nationally aired radio feature that covers system wide research

BioEd Online, Biology Teachers Resource. News article on paper published in *Proceedings National Academy Sciences*, <http://www.bioedonline.org/news/news.cfm?art=1352>

New York Times (News & Syndicate) News article on paper published in *Proceedings National Academy Sciences*

Editorial Board, University of California Publications in Entomology

Radio discussion (Canadian Broadcasting Corporation Quirks and Quarks with Bob MacDonald). Nov 2004. See <http://radio.cbc.ca/programs/quirks/archives/04-05/nov13.html>

Radio discussion (CBS Radio's The Osgood File with Charles Osgood) on environmental threats to the Marquesas and island habitats in general. 30 minutes. June 2002. See [http://www.acfnewsresource.org/environment/island\\_struggles.html](http://www.acfnewsresource.org/environment/island_struggles.html)

*Maui News*, Advised on and written up in feature on spiders in Hawaii. June 2002

Science Spectrum, Holt Rinehart & Winston, Austin, TX. Wrote article for publication in general science textbook on careers in science. June 2002

APHIS-USDA – advised on interception of black widows in shipments of grapes to New Zealand (shipments suspended by Ministry of Agriculture and Forestry) 2001

Participated in fund-raising effort for UC Berkeley's Richard Gump South Pacific Research Station in Moorea, French Polynesia. One week in Moorea talking to potential donors to the research station about island biology and research at the Moorea field station, 2001

U-Haul Across America. Advised U-Haul on happy face spiders, so that they could put a large graphic of a Hawaiian Happy Face spider on the side of their truck (see web site at [www.uhaul.com](http://www.uhaul.com)). 2000

Presenter, Spider documentary. PlayTV. Live 2-hour presentation via web site. San Francisco, Spring 2000

U.S. Fish and Wildlife Service: assisted with evaluation for insects to be federally listed as endangered, including the first insect to be listed in Hawaii, Blackburn's sphinx moth 1999-2001

Identification of spiders for students, faculty, and others concerned about spiders they have found, mostly in Hawaii, French Polynesia, and in the Berkeley area, 1999-present

Jason Project, the Jason Foundation for Education. Consultation on Hawaiian spiders, 1999

Photographers David Littschwager & Susan Middleton: Consulting on Hawaiian arthropods, 1999

Courses taught (undergraduate):

**Biogeography (ESPM c125/ GEOG c148/ IB C166)** (new course 2018). Co-taught with Jeff Chambers (Geography), Fall 2018, 2019

**Natural History Museums and Biodiversity Science (ESPM 105/ IB 105)**; taught every year since Fall 2013 (new course 2013)

**Spider Biology (ESPM 132)**; taught every year since 2005 (current enrollment ~ 45-60; with lab)

**Approaches in Molecular Environmental Biology (ESPM 192)**, Spring 2011, 2013, 2014

**Biology & Geomorphology of Tropical Islands** (UC Berkeley, **IB C153 & ESPM C107**; 4 semesters)

**Field Entomology (ESPM 147)** with adjunct faculty members from the California Academy of Sciences, Charles Griswold, David Kavanaugh, and Brian Fisher.

**Natural History of Insects** (UC Berkeley, **ESPM 42**; 4 semesters)

**General Entomology** (UC Berkeley, **ESPM 140**; 2 semesters)

*Advanced Topics in Systematics* (University of Hawaii, Zool. 691j; 8 semesters)

*Topics in Systematics and Evolution* ((University of Hawaii, Zool 719; 2 semesters)

*Ecology & Evolutionary Biology* (University of Hawaii, Biol. 265; 4 semesters)

*Conservation Biology* (University of Hawaii, Zool / Bot 690; 4 semesters)

*Vertebrate Zoology* (University of Hawaii, 1 semester)

*Microbiology* (University of the South, Sewanee, 1 semester).

*Field Zoology* (University of the South, Sewanee, 1 semester).

*General Biology* (University of the South, Sewanee, 3 semesters).

*Comparative Vertebrate Anatomy* (University of the South, Sewanee, 1 semester).

Graduate Student Supervision

**Major Professor, current** 6

Kathy Nagel, PhD, 2020 –

Leke Hutchins, PhD, 2019 –

Anna Holmquist, PhD 2016 –

Natalie Graham, PhD 2014 -

Ashley Adams, PhD 2013-

Kaïna Privet, Université de Rennes, co-advised with Julien Pétilion, PhD 2017 -

**Ph.D. / MS Completed** 18

Susan Kennedy, PhD 2012 – 2018; currently postdoc at Trier University, Germany.

Jun Ying Lim, co-advised with Charles Marshall (IB); PhD 2013-2018; currently postdoc at the University of Amsterdam

Andy Rominger, PhD 2011- 2016; currently an Assian Omidyar postdoc with the Santa Fe Institute

Darko Cotoras, PhD 2009 – 2014; currently postdoc at the Senckenberg Institute, Germany.

Natalia Chousou Polydouri, PhD 2007 – 2014; currently postdoc with Dynamique du Langage, Lyon

Brad Balukjian, Ph.D. 2006 – 2013; currently Director of Merritt College's new Natural History & Sustainability program

Juliane Casquet (Paul Sabatier University, Toulouse), PhD 2008-2012

David Hembry, Ph.D. 2005 – 2012; currently NSF Postdoctoral Fellow, University of Arizona

Hannah Wood, Ph.D. 2006 – 2012; currently Smithsonian Institution Scientist

Becca Carter, Ph.D. 2003 – 2009; currently with McKinsey consulting

Sarah Crews, Ph.D. 2003 – 2008; currently at the California Academy of Science.

Brian Hogg, Ph.D. 2002 – 2009; consulting biologist, Sonoma CA  
Nicole Vandersal, PhD 2008; currently at Marin Academy, California  
Paul Krushelnycky, Ph.D. 2007, Researcher, Univ Hawaii Manoa  
Joseph Spagna, Ph.D. 2006, currently Dept Biology, William Patterson University, Wayne, NJ  
Jan Nakamura, MS. UC Berkeley 2003; currently Dept Land Nat. Resources, Hawaii  
Jessica Garb, MS Univ. Hawaii 1999; Ph.D. UC Berkeley 2003, Associate Professor, U. Mass. Lowell  
Mandy Heddle, MS Univ. Hawaii 1999; Ph.D. UC Berkeley 2003. Currently co-ordinator for  
Environmental Science at Bangkok Patana School  
Amy Vandergast, MS Univ. Hawaii 1999, USGS San Diego; currently USGS Western Ecological  
Research Center, San Diego Field Station

*Visiting PhD/ Masters students* 8

Guillemette de Kerdrel , Ecole Normale Supérieure Jan – Aug 2017  
Benoit Perez, Ecole Normale Supérieure Jan – Aug 2016  
Alexandra Rueda, Universidad de los Andes, Bogotá, Colombia, Jan – Aug 2016  
Pius Winiger, University of Greifswald, Germany, Jan – Aug 2016  
Tim Schol, Wageningen University, Netherlands, Jan – Aug 2016  
D Camille Desjonquères Ecole Normale Supérieure Jan – July 2011  
Brunner Franziska, ETH Zürich, Switzerland, Jan –Oct 2011  
Camila Vieira, State University of Campinas (UNICAMP), Brazil. July-Nov 2014.

*Member Ph.D./MS committees:*

Current PhD committees: 6 Carlos J. Pavón Vázquez (ANU, Canberra)\*; Micah Brush (Physics);  
Monica Sheffer (University of Greifswald, Germany); Kyle Rosenblad  
(IB); Trinity Wall (ESPM); Amelia Harvey (ESPM).  
Quals committees 22 Maya Lemmon-Kishi (2021); Lea Lee (IB, 2020); Erin Westeen  
(ESPM, 2020); Erin Voss (IB, 2020); Cynthia Claypool (IB, 2019);  
Andrew Saintsing (IB, 2019); Giovanna Figueroa (IB, 2019); Alan  
Cabrero (ESPM, 2018); Sarah Banker (IB, 2018); Jenny McCarthy  
(IB, 2018, 2018); Forrest Freund (IB, 2018), Ben Karin (IB, 2018),  
Aaron Pomerantz (IB, 2018), Jackie Childers (IB, 2018), Benji Kessler  
(ESPM, 2017), Maggie Rabouin (ESPM, 2017), Caleb Caswell-Levy  
(IB, 2017), Erin Brandt (ESPM, 2017), Maria Tonione (ESPM, 2017),  
Luke Bloch (IB, 2017), Camilla Souto (IB, 2017), Rebecca Sandidge  
(ESPM, 2017)  
Ph.D.'s graduated: 73 Carmela Doenz (2021, University of Bern, Switzerland); Cristian  
Roman Palacios (2020, University of Arizona); Ignacio Escalente  
(2020, ESPM); Damien Esquerré (2020, Australia National  
University) \*; Monica Mowery (2020, University of Toronto); Sophie  
Harrison (2019, University of Adelaide); Rebecca Sandidge (ESPM,  
2018); Eric Armstrong (IB), Athena Lam (ESPM), Alex Krohn (ESPM),  
Karl Gruber \* (2017, Western Australia Museum), Madeline Girard  
(2017, ESPM), Ryan Null (2017, MCB), Juan Guevara (2017, IB),  
Athena Lam (2017, ESPM), Lucy Chang (2017, IB), Philip Skipwith  
(2017, IB), Gustavo Miranda \* § (2017, University of Denmark,  
Copenhagen); Sean Reilly (2016, IB), Dan Portik (2016, IB), Nancy  
Irwin \* (2016, University of Queensland, Australia), Charlène Puzin  
(Université de Rennes) \*, Andrew Rush (2015, IB), Kauaoa Fraiola

(2015, ESPM), Genevieve Walden (2015, IB), Jenna Judge (2015, IB), Andrew Rush (2014, IB), Joan Ball (ESPM), Kirsten Hill (2014, ESPM), Christopher DiVittorio (IB), Karen Miller (Wong), Shelley Myers \* (2014, University of Auckland), Matt VanDam (ESPM), Sonal Singhal (IB), Gordon Bennett (ESPM), Jennifer Imamura (ESPM), Guin Wogan (2011), Shobi Lawalata (2011), Joel Ledford, Steve Lew, Pete Oboyski, Sean Rovito, Rick LaPoint, Matt Medeiros, Sean Schoville, Ryan Hill, Christine Parent \* § (Simon Fraser University, Canada), Adam Leache, Karen Osborn, Angela Duffy \* (Queensland University of Technology, Australia), John Ocampo Pérez \* (Ecole Nationale Supérieure Agronomique de Montpellier), Elin Claridge, Vicente Garcia, Gerald Luke Hasty, Rachel Mueller, Alison Chubb, Amy Vandergast, Anna Thanukos, Dennis P. Wall, Greta Binford (U. Arizona), Leonora Costa, Malia Rivera, Miguel M. Correa-Ramírez \* (CIBNOR, La Paz Baja California Sur), Manju Siliwal \* (University of Baroda, India), Meredith Mahoney, Patricia Sanchez-Baracaldo, Kirsten Johannes, Doug Stone, Scott Fretz (U. Hawaii), Seth Budick, Theresa Menard (U. Hawaii), Helen Smith \* (University of Sydney)

**\* Committee for international student; § Qualifying exam held internationally at the student's home institution**

MS's graduated:	4	Ellie Armstrong (U Hawaii Hilo, 2016), Alison Drew, Jessica Riquetti, Malcolm Gay
Past PhD committees:	11	Débora Brandt (IB), Meghan Culpepper (ESPM), Rachel Thayer (MCB), Noelle Bittner (IB), Zixiang Zhang (IB), Katya Mack (IB), Chrissy Rivera (ESPM), Adam Schneider (IB), Lauren Ponisio (ESPM), Renske Kirchholtes (IB), Priscilla Erickson (MCB)
Total:	147	

Postdoctoral Supervision (1 current, 23 total):

José Cerca – Peder Sather Postdoctoral Fellow, 9/19 -

Jairo Patiño – Marie Curie, 9/17 – 12/18. Currently Ramón y Cajal Researcher, Universidad de La Laguna, Tenerife, Canary Islands

Henrik Krehenwinkel – DFG, 2/15-8/18. Currently Assistant Professor at Trier University, Germany

Noriyuki Suzuki, JSPS, 9/16 – 1/18. Currently Assistant Professor at Kochi University, Japan

Kari Roesch Goodman – Hawaii Dimensions in Biodiversity; 10/12 – 8/16. Currently Data Scientist and Co-Founder, AnimalBiome

Giovanni Rapacciuolo – “EcoEngine”; Berkeley Initiative in Global Change Biology; 10/13 – 8/15. Currently Postdoc at UC Merced.

Lisa Becking – “Islands of sea: the role of isolation in marine biodiversity” 10/12 – 8/15. Currently Professor at Wageningen University, Netherlands

Curtis Ewing-“DNA barcoding with development of applications” 7/06-10/11; Dimensions in Biodiversity, based at UH Hilo, 7/13-present.

Michael Brewer – “Spider genomics” 5/12 – 7/2014; currently Assistant Professor, East Carolina University.

- Lauren Esposito – “Diversification and venom adaptation of scorpions in the Caribbean and continental America” 1/11- 9/2014; currently Curator at the California Academy of Sciences.
- Peter Croucher-“Identification of Color Polymorphism Genes in Spiders” 11/05- 5/2014. Currently Bioinformatics Scientist at Trovogene, Inc.
- Joanne Clavel – “Ecological interpretation in dance” 10/12 – 3/14. Currently Université Paris 6, CNRS, Muséum National d'Histoire Naturelle
- Amber Beavis – Biogeography of Pacific mygalomorphs and lycosids, 2009-2011
- Elizabeth Arias-“Systematics of Click Beetles, Elateridae” 9/00-7/13. Currently Research Associate, Essig Museum of Entomology, UC Berkeley
- Chris Winchell – “Pigment gene expression in spiders” 4/11- 8/12. Currently Postdoctoral Fellow, MCB, UC Berkeley
- Elin Claridge-“Arthropod biodiversity and Conservation in French Polynesia” 08/06 – 06/09.
- Suresh Benjamin-“Spider Behavior and Adaptive Radiation” 11/03 – 1/05, currently Senior Research Fellow. Institute of Fundamental Studies, Sri Lanka.
- Miquel Arnedo-“Comparative Systematics of Spiders on Islands” 8/98-10/01, currently Professor, University of Barcelona
- Todd Blackledge-“Behavioral Diversification of Web-Building Spiders in Hawaii” 6/00-6/02. currently Associate Professor, Akron University, Ohio
- Joan Pons – “Molecular Evolution Associated with Diversification of Hawaiian Spiders” 9/00-10/01, currently IMEDEA (CSIC-UIB), Balearic Islands.
- Leo Shapiro-“Molecular analysis of adaptive radiations in the insular Pacific,” 12/99 -2001, currently Center for Biological Diversity, College Park, MD
- Mary Whitehouse-“Evolution of Kleptoparasitism in the Spider Genus *Argyrodes*” 12/99-6/2000, currently CSIRO, Australia.

Undergraduate Supervision (63 since 2014):

- Austin Richie, MEB, ESPM, 08/2007-1/2008
- Andrew Brennan, MEB, ESPM, 01/2008-06/2008
- Stephanie Ross, MEB, ESPM, 05/2008-07/2008
- Neesha Mody, Public Health, 08/2008-12/2009
- Jeff Young, MEB, ESPM, 09/2008-06/2009
- Kelly Kaban, MEB, ESPM, 01/2009-05/2010
- April Yang, MEB, ESPM, 02/2009-08/2010
- Julissa Lopez, MEB, ESPM, 07/2009-10/2010
- Athena Lam, IB, 09/2009-07/2010
- Qi Liew, Molecular Environmental Biology, 07/2010-06/2011
- Alex Carolino, Civil Engineering, 08/2010-12/2010
- Alex Darwish, Integrative Biology, 08/2010-12/2010
- Bryan Frossard, Integrative Biology, 08/2010-06/2011
- Grace Anderson, Molecular Environmental Biology, 08/2010-08/2011
- Jesson Go, Earth and Planetary Science, 08/2010-12/2010
- Kevin Yao, Computer Science, 08/2010-05/2011
- Andrew Yee, Integrative Biology, 08/2010-08/2011

Sara Nishi, Molecular Environmental Biology, 05/2011-08/2011  
Nezha Benabdallah, Agroparistech in France (Paris Institute of Technology for Life, Food and Environmental Sciences), 07/2011-11/2011  
Ai Takahashi, Molecular Environmental Biology, 08/2011-05/2012  
Alexia Capsuto, Public Health, 08/2011-12/2013  
Francesca Paterno, Molecular and Cell Biology, 08/2011-05/2012  
Guillaume Vandenesch, AgroParisTech and The National Museum of Natural History, 01/2012-06/2012  
Edward Rojas, Molecular Environmental Biology, 08/2012-08/2013  
Heather Ullrich, Molecular Environmental Biology, 08/2012-05/2013  
Jacquelyn Withers, Art, 08/2012-08/2013  
Anna Hiller, Integrative Biology, 08/2013-present  
Aprilgate Wang, Microbial Biology, 08/2013-08/2014  
Ellie Armstrong, Molecular Environmental Biology, 08/2013-08/2014  
Emily Bulger, Molecular Environmental Biology, 08/2013-present  
Terisa Yiin, Integrative Biology, 08/2013-present  
Hanna Miller, Integrative Biology, 01/2014-06/2014  
Kaela Shiigi, Environmental Sciences, 01/2014-06/2014  
Sandra Ley, Integrative Biology, 01/2014-05/2014  
Adria Stauber, Molecular and Cell Biology, 08/2014-12/2016  
Divya Ambu, Molecular and Cell Biology, 08/2014-12/2016  
Garth Fisher, Microbial Biology, 08/2014-05/2016  
Kelley Henning, Molecular Environmental Biology, 08/2014-present  
Madeleine Siegel, Conservation and Resource Studies, 08/2014-05/2016  
Rainaclare Sibal, Integrative Biology, 08/2014-08/2016  
K Kai Din, 08/2014 – 05/2015  
Laura Gong, 08/2014 – 05/2015  
Terrance Wang, 08/2014 – 05/2015  
Brittany Mathat, CRS, 08/2014 – 12/2015  
Maren Hale, 08/2014 – 12/2015  
Helen Yang, 08/2014 – 12/2015  
Emely Herrera, 08/2014 – 12/2015  
Jingfei Zhang, 08/2014 – 12/2015  
Elliot Thompson, CRS, 08/2014 – 12/2015  
Katelyn Adam, IB, 08/2014 – 12/2015  
Marisa Fong, 08/2014 – 12/2015  
Edward Huang, 08/2014 – 12/2016  
Christian Irian, IB, 08/2014 – 12/2016  
Karen Gallardo, Integrative Biology, 08/2014 – 12/2016  
Garth Fisher, Microbial Biology, 08/2014 – 12/2015  
Kelley Henning, Molecular Environmental Biology, 08/2014 – 12/2015  
Madeleine Siegel, Conservation and Resource Studies, 08/2014 – 12/2015  
Rainaclare Sibal, Integrative Biology, 08/2014 – 12/2016  
Adria Stauber, Molecular and Cell Biology, 08/2014 – 12/2016

Isabel Marchand, 12/2014 – 12/2015  
Grace Paxton, 12/2014 – 12/2016  
Abigail Anderson, Molecular Environmental Biology, 12/2015 – 12/2017  
Iljiin Cho, 12/2015 – 12/2017  
Lier Guo, Molecular Environmental Biology, 12/2015 – 12/2017  
Alia Anwar, 12/2015 – 12/2017  
Madeline Wolf, Molecular Environmental Biology, 12/2015 – 12/2017  
Monica Sheffer, MEB, 12/2015 – 12/2017  
Chae Sangyeon, 12/2016 – 12/2017  
Amanda Seng, 12/2016 – 12/2017  
Jacqueline Li, 12/2016 – 12/2017  
Cory Berger, Integrative Biology, 12/2015 – 5/2018  
Shuanger Li, 9/2016 – 5/2018  
Zheyuan Xu, 9/2016 – 5/2017  
Sophia Tsau, Chemical Biology, 12/2016 – 5/2018  
Bernhard Malo, Chemistry, 9/2017 – 5/2018  
Cindy Chan, 9/2017 – 5/2018  
Michael Fink, 9/2017 – 5/2018  
Alice Langford, Molecular Cell Biology, 9/2017 – 5/2018  
Natasha Madsen, Molecular Cell Biology, 9/2017 – 5/2018  
Caelle McKaveney, 9/2017 – 5/2018  
Neil Shieh, 9/2017 – 5/2018  
Raeline Valbuena, 9/2017 – 5/2018  
Marcos Vega-Hazas, 9/2017 – 5/2018  
Yibing Yu, 9/2017 – 5/2018  
Monica Wilkinson, 9/2016 – present  
Frank Lee, 9/2017 – 5/2018  
Angelica Santos, 9/2017 – 5/2018  
Patricia Torres, 9/2017 – 5/2018  
Jackie Chandler, 9/2017 – 5/2018  
Che Rubalcava-Cuna, 9/2017 – 5/2018  
Matt Swan, Molecular Environmental Biology, 9/2017 – 5/2018  
Elyse Fitzsimons, Molecular Environmental Biology, 9/2017 – 5/2018  
Taylor Liu, Molecular Environmental Biology, 9/2017 – 5/2018  
Lisa Perrine, Molecular Environmental Biology, 9/2017 – 5/2018  
Taylor Kane, 9/2017 – 7/2019  
Tara Gallant, 9/2017 – present  
Katie Jocelyn, 9/2017 – present  
Tyler Moy, Molecular Environmental Biology, 9/2017 – present  
Wesley Booth, 9/2017 – 5/2018  
Farryl Lawson, Molecular Environmental Biology, 9/2017 – 5/2018  
Sierra Lee, 9/2017 – 5/2018  
Courtney McGuire, 9/2017 – 5/2018  
Kayli Chan, 9/2018-5/2019

Tiffany Dinh, 9/2018-5/2019  
Maria Irina Jovin, 9/2018-5/2019  
Riley Hart Kahan, 9/2018-5/2019  
Dillon King, 9/2018-5/2019  
Meghan Nolan, 9/2018-5/2019  
Armin N Adly, 9/2018-5/2019  
Emilee Easter, 9/2018-5/2019  
Helen Froats, 9/2018-5/2019  
Sarah A. Helmueller, 9/2018-5/2019  
Helen G, Nguyen, 9/2018-5/2019  
Pauline Ni, 9/2018-5/2019  
Atmika Ashok Pai, 9/2018-5/2019  
Apsara Ram, 9/2018-5/2019  
Rigel Sison, 9/2018-5/2019  
Blake R Stoner-Osborne, 9/2018-5/2019  
Elaine Grace Wittry, 9/2018-5/2019  
Ningxin, Zheng, 9/2018-5/2019