

GEORGE RODERICK

William Muriece Hoskins Chair and Distinguished Professor

[Department of Environmental Science, Policy, and Management \(ESPM\)](#), Rausser College of Natural Resources (RCNR)

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EDUCATION

- 1987 PhD, University of California, Berkeley, Zoology
 1981 AB summa cum laude, Dartmouth College, Biology with distinction

ACADEMIC POSITIONS

- 1999 – University of California, Berkeley
 Chair, [Department of Environmental Science, Policy, and Management \(ESPM\)](#), 2014-2019
 Division Chair, Organisms and Environment, ESPM, 2008-2014
 Affiliate, [Energy & Resources Group \(ERG\)](#), 2017 –
 Affiliate, [Berkeley Institute for Data Science \(BIDS\)](#), 2014 –
 Affiliate, Invasive Species, [Essig Museum of Entomology](#), 2000 –
 Faculty Director, [UC Gump South Pacific Research Station](#), 2001-2007, 2013 –
 Professor, 2003 –; Acting Associate, 1999-2003
 Insect Population Biologist, [UC Division of Agriculture and Natural Resources](#), 1999 –
- 2006-2007 Institute national de recherche pour l'agriculture, l'alimentation, l'environnement (INRAE), Montpellier, France
 Chercheur Étranger (Foreign Researcher), [CBGP \(INRAE/ IRD/ CIRAD/ Montpellier SupAgro\)](#)
- 1994-1999 University of Hawaii, Manoa
 Associate Research Professor, Conservation Research & Training, 1998-1999; Assistant, 1994-1998
 Graduate Faculty: Ecology/Evolution/Conservation Biology; Entomology; Zoology, 1994-1999
- 1988-1993 University of Maryland, College Park
 Assistant Professor, Entomology, 1990-1993
 Participating Faculty, [Marine Estuarine Environmental Science Graduate Program](#), 1991-1993
 Postdoctoral Fellow (UN FAO and NSF)
- 1980-1981 Dartmouth College, Hanover & [Hubbard Brook](#), NH, Research Assistant
 1977-1978 National Audubon Society, [Hog Island](#), Maine, Summer Assistant

PROFESSIONAL AFFILIATIONS, past and present

American Society of Geographers, American Society of Naturalists, California Academy of Sciences (Fellow), Ecological Society of America, Entomological Society of America, Hawaiian Entomological Society, International Biogeography Society, Royal Entomological Society (Fellow), Sigma Xi, Society for the Study of Evolution

AWARDS AND HONORS

- 2018 Scientific Teaching Fellow, National Institutes for Scientific Teaching (formerly Summer Institutes)
 2013 Distinguished Teaching Award, College of Natural Resources, UC Berkeley
 2012 – William Muriece Hoskins Professor of Chemical and Molecular Entomology, UC Berkeley
 2010 Award for Excellence in Research (shared), Western Association of Agricultural Experiment Station Directors
 2008 – Senior Research Fellow, Center for Tropical Research, Institute of the Environment, UCLA
 2006-2007 Fulbright Scholar, Montpellier, France
 2004 – Fellow, California Academy of Sciences, San Francisco
 2001 – Fellow, Royal Entomological Society, London
 1998 – Sigma Xi, University of Hawaii
 1998 Regents Medal for Excellence in Research, University of Hawaii
 1998 Distinguished Entomologist, Korean Society of Applied Entomology
 1987 Outstanding Graduate Student Instructor, UC Berkeley

1985 University of California Regents Graduate Fellowship, UC Berkeley
 1985 Phi Beta Kappa Graduate Fellowship, UC Berkeley
 1980 Phi Beta Kappa, Dartmouth College

TEACHING AND MENTORING

Undergraduate Biology 1B: Ecology/environment, Biology and Geomorphology of Tropical Islands (field class), Island Sustainability Semester (UCB Study Abroad, field class), Molecular Ecology, Insect Natural History, General Entomology, Freshman Seminar: Biological Invasions
 Graduate Research Approaches in Environmental Science Policy and Management, Professional Training (Certificate of Teaching and Learning in Higher Education), eDNA and Metabarcoding
 Mentoring PhDs 17, MS theses 2, Postdoctoral fellows 33, Undergraduate researchers through URAP, SPUR, Honors

INVITATIONS AND PRIMARY PROFESSIONAL ACTIVITIES, emphasizing recent activities, *major efforts

2022 Invited workshop, Genomics Standards Consortium
 2021 Invited workshop, iBioGen, [Island Biodiversity Genomics](#)
 2020 Panelist, [Climate and Environment Series](#): The future of biodiversity in the Pacific, OIST Foundation
 2019 Panelist, Managing invasive species to reduce fires, US House Invasive Species Caucus
 2018 Invited workshop, Entomological Summit, N American/ Pacific Rim Invasive Species Challenge, Vancouver
 2018 Invited speaker, Evolution in biological control, [1st International Congress of Biological Control](#), Beijing
 2017 Organizing Committee, [Innovative mosquito control strategies in the Pacific](#), Moorea, French Polynesia
 2017 Invited speaker, [EcoBio Observatoire de Rennes](#), Université Rennes, France
 2017 Invited speaker, VI Simposio Colombiano de Biología Evolutiva and Universidad del Valle, Cali, Columbia
 2017 Invited workshop, Natural History Collections Research, Göteborgs universitet, Sweden
 2017 Invited workshop, Data science for field stations, Microsoft Research & U Washington, IDEA, Seattle
 2016 – Participant, Insect Genetic Technologies, Research Coordination Network ([IGTRCN](#))
 2016 Plenary, 2nd Island Biology Conference, Azores, Portugal
 2015-2018 Moosilauke Alumni Forum, Dartmouth College, Hanover, NH
 2015 Invited webinar, Gene Drive Research in Non-Human Organisms, National Academy of Sciences
 2014 Genetic Diversity Working Group, GEO BON: Biodiversity Observatory Network, Kyushu, Japan
 2014 Research on the Environment, UC Berkeley-Tsinghua University, Beijing
 2013 – *Steering Committee and workshops, [Island Digital Ecosystem Avatars \(IDEA\) Project](#), ETH Zurich 2013, Oxford 2014, 2015, 2017, Berkeley 2014, MS Research/UW Seattle 2017, Berkeley 2018
 2013 Plenary, 1st International Conference on Whiteflies, Crete, Greece
 2012 – Member, Partnership for Undergraduate Life Sciences Education ([PULSE](#))
 2012 Invited workshop, Global invasion network (NSF-RCN) and NeoBiota, Pontevedra, Spain
 2012 Invited workshop, Rapid evolution and biological invasions, Fribourg, Switzerland
 2012 Symposium, Invasive Species, American Society of Geographers, New York
 2011 Scientific Committee, Workshop Reconstructing the past, planning the future. ProScience, Tahiti
 2010 Keynote, Alien Invasive Species, Hainan, China
 2009 *Organizer, Invasive Species Theme, 6th Asia-Pacific Congress of Entomology, Beijing
 2009 Co-chair, Ecosystem Theme, Pacific Science Association Inter-Congress, Tahiti
 2008 – Council of Entomology Department Administrators (CEDA), US and Canada
 2005-2008 Co-chair, International Network for Barcoding Invasive and Pest Species (INBIPS)
 2005 *Scientific Program Committee, 1st International Conference for the Barcode of Life, London
 2005 *Chair, Asian Pacific Economic Cooperation (APEC) Forum Workshop, Alien Invasive Species, 17 economies, Beijing; NSF/USDA/USGS/State joint initiative
 2005 Co-chair, 12th International Auchenorrhyncha (Leafhoppers, Planthoppers) Congress, Berkeley
 1991-1993 Assembly of Delegates, Organization for Tropical Studies (OTS)
 1990 – Consultant: invasive species, species diagnostics, environmental biotechnology; United Nations FAO, World Bank, International Rice Research Institute Philippines, Rockefeller Foundation, EPA, CDFA, USDA

SCIENTIFIC AND ACADEMIC PANELS

2019	Program Review, Environmental Sciences, Oregon State University, Corvallis
2017	Program Review, Animal Biology, University of Illinois, Urbana-Champaign
2017-2018	USDA Review panels: NIFA/ AFRI, Bioenergy, Natural Resources and Environment (BNRE), 2017, 2018
2015	Program Review, Biology, San Diego State University, San Diego
2015	Program Review, Environmental Studies, Florida International University, Miami
2012, 2020	Program Reviews, Entomology, UC Riverside
2010	EPA Review panel, Science to Achieve Results (STAR)
2009	NSF Review panel: Partnerships in International Research and Education (PIRE)
2001	Planning Group for Invasive Species Diagnostic Laboratory, USDA APHIS/CDFA
1997-2001	NSF Review panels: Doctoral Dissertation Improvement Grants (DIGG), NSF, 1997, 1999–2001
1996-2014	USDA Review panels: NIFA/ AFRI, Plant Health, Pests and Beneficial Species, 1996, 1997, 1999, 2008, 2014
1996	USDA Review panel: Tropical, Sub-Tropical Agricultural Research (TSTAR)
1995-2006	*Scientific Advisory Panel, US EPA, Food Quality Act (FQPA) Science Review Board (SRB), Release of Genetically Modified Organisms

EDITORIAL RESPONSIBILITIES

2018 –	College of Biogeographers, Frontiers in Biogeography , International Biogeography Society
2019 –	Recommender, Peer Community in (PCI) Entomology/Zoology
2016-2019	Recommender, Peer Community in (PCI) Evolutionary Biology
2012	Guest Editor, Evolutionary Applications : Theme Issue, Evolution and Biological Control
2010-2016	Editorial Board, Journal of Biosafety
2008-2009	Subject Editor, Bulletin of Entomological Research
2006-2009	International Editorial Board, Wildlife Research
2005	Guest Editor, Philosophical Transactions of the Royal Society : Theme Issue, DNA-Barcoding of Life
2002-2016	Advisory Board, Tropical Zoology
2000-2019	Editorial Board, Biological Control

UNIVERSITY SERVICE, UC Berkeley unless noted, *major assignments

Department and College

2014-2019	*Department Chair, Department of Environmental Science, Policy and Management (ESPM)
2010-2018	Capital Campaign Vision Committee, Faculty/Donor Advisory Committee, RCNR
2008-2019	*Deans and Chairs Council, RCNR
2008-2014	*Division Chair, Organisms and Environment, ESPM
2004-2006	Endowed Chairs Standing Committee, RCNR
2000-2002	Committee for Research (RESCOM), RCNR
2001 –	Undergraduate Advisor, Molecular Environmental Biology (MEB) Major
2000-2003	Graduate Advisor, ESPM

Academic Senate

2020 –	*Committee on Budget and Interdepartmental Relations (BIR)
2007-2014	*Committee on Research (COR), Chair/co-Chair 2010-2014, member 2007-2010
2010-2014	*Division Council (DIVCO)
2008-2009	Committee on International Education (IE)

Campus

2020 –	Introductory Biology (Bio 1B) Steering Committee, IB/ESPM/PMB
2018 –	ORU Executive Advisory Committee, VCR
2018-2019	Strategic Initiative VI in Lighting the Way to the Public Research University of the Future, EVCP, VCR
2017-2018	Steering committee, UC Berkeley Department Chairs Forum
2014-2015	Faculty Committee, Curriculum and Advising for Premedical and Pre-health Students, VC UG Ed.

2014-2015 Faculty Board, Tsinghua University-UC Berkeley Center, VCR
 2013-2015 Faculty Advisory Committee, Research Administration in Campus Shared Services, Chancellor
 2013-2014 Working Group, Indirect Cost Return (BEARS faculty grant program), EVCP
 2013-2014 Laboratory Safety Corrective Action Policy Committee, VCR
 2012-2014 Advisory Committee, Working Smarter, Indirect Cost Waiver Policies, UCOP
 2012-2015 Faculty Advisory Committee, PI Portfolio Tool and Phoebe Development, Controller/VCR
 2011-2020 Faculty Oversight Committee, SPO Users Network (SUN), Sponsored Programs Office, VCR
 2010-2014 Research Compliance Advisory Committee, VCR
 2010-2014 Faculty Budget Working Group (Gimlet), EVCP
 2009-2011 Campus Technology Council (CTC), AVC Information Technology
 2007-2013 Exceptional Course Materials Fee (CMF) Committee, EVCP
 2003-2006 Chair, UC Berkeley Field Station Advisory Committee, VCR
 2002-2007 UC Berkeley Scientific Diving and Small Boat Safety Board, VCR
 2002-2006 Advisory Committee, California Biodiversity Center (CBC), VCR
 2001 – *Faculty Director, [UC Gump South Pacific Research Station](#), French Polynesia, 2001-2007, 2013 –

System-wide

2019 Ad-hoc Committee, California Conservation Genomics Project (CCGP)
 2017 – *Executive Committee, [UC Gump South Pacific Research Station](#), UCOP/VCR
 2017-2020 UC-CSU Knowledge Action Network for Transformative Climate & Sustainability Education/Action
 2012 Panel, UC Center for Laboratory Safety, UC Office of President/UCLA/UC Irvine
 2011 – Member, Center for Invasive Species Research, UC Riverside
 2007-2008 Chair, Advisory Board, Network of Experimental Research in Evolution (NERE), MRP, UCOP
 2006-2008 Integrated Pest Management Program (IPM), Exotic Pests, UC ANR
 1999-2001 Exotic Fruit Fly Planning Group, UC Center for Exotic Pest Research, UC ANR

RESEARCH EFFORTS AND GRANTS, last 15 years

2021 – SERDP (DoD, EPA, DoE), [Next-generation monitoring of invasive alien arthropod species](#), \$3M
 2020 – California Conservation Genomics Project (UCLA), *Trigonoscuta* dune weevils, \$32K, w M van Dam
 2019 – NSF ARTS/SG: Diversity, taxonomy, and systematics of flightless dune weevils, \$200K, PI M van Dam
 2014-2017 UC ANR, Effects of land use and climate change using historical collections, \$268K, PI K Will
 2013 – [Island Digital Ecosystem Avatars \(IDEA\): Moorea](#), UCB, UCSB, ETH, Oxford, PI N Davies
 2012-2018 NSF, Dimensions in Biodiversity: [Eco/Evo Dynamics in Hawaii's Landscape](#), \$1.8M, PI R Gillespie
 2011-2016 Gordon and Betty Moore Foundation, [BiGCB: Invasive species in the Bay Area](#), \$350K
 2010-2015 NSF, [CalBug: Arthropod collections, global change, and habitat modification](#), \$1.5M, PI R Gillespie
 2010-2014 NSF, BiSciCol Tracker: Data infrastructure for biodiversity science collections, \$1.8M, PI N Davies
 2008-2015 Gordon and Betty Moore Foundation, [Moorea Biocode Project](#); Pilot 2005, \$5.5M, PI N Davies
 2005-2009 USDA NIFA, Discrimination of whiteflies in the genus *Bemisia*, \$300K, PI J Brown
 2005-2009 NSF, Biodiversity Surveys: Terrestrial arthropods of French Polynesia, \$556K, PI R Gillespie
 2004-2009 NSF, Research Coordination Network: Insect invasion biology, \$500K
 2004-2008 USDA NIFA, Invasion biology of the olive fruit fly, \$360K
 2004-2008 NSF, Evolutionary impact of cytoplasmic sex ratio distorters, \$375K, PI N Davies
 2004-2008 French Polynesia Terr. Gov., Biological control, glassy-winged sharpshooter, \$325K, PI M Hoddle
 2004-2006 Global Biodiversity Information Facility, Invasive insects: Collections and data, \$50K
 2004-2005 NSF/USDA/USGS/State Joint Initiative, APEC Forum Workshop: Alien invasive species, \$133K

Training

2020 – California Learning Lab, Online tools to support inclusive learning in biology, \$100K, PIs M Cover, P Mendez
 2016-2018 USDA NIFA, Landscape genetics biocontrol of yellow starthistle. \$138K, Postdoc J Andersen
 2012-2014 USDA NIFA, Risk assessment of noxious weed spread. \$130K, Postdoc E Farrer with K Suding
 2009-2011 New Zealand Science & Technology, Island invasion dynamics, \$150K, Postdoc J Russell

2007-2009 US Dept. Interior & Yosemite Fund, Alpine butterfly assessment, \$91K, PhD S Schoville
 2006-2011 NSF, Track 2, GK-12: [Exploring California Biodiversity](#) (renewal), \$2.0M, PI R Gillespie
 2001-2004 USDA NIFA, Invasion genetics of walnut husk fly. \$120K, Postdoc Y Chen

Field station support

2007-2010 National Geographic Society, International Ecostation Initiative, \$200K, PI N Davies
 2007-2009 NSF, Field-station Marine Lab: [Gump Research Station](#) Field Transport, \$110K,
 2004-2006 Gordon and Betty Moore Foundation, [Gump South Pacific Research Station](#), \$3.0M, PI N Davies
 2001-2003 Moore Family Foundation, [Gump Research Station](#) Laboratory Expansion, \$1.0M

EDITED VOLUMES

Roderick GK, Hufbauer RA, Navajas M, eds (2012) *Evolution and Biological Control*. Published as theme issue in [Evolutionary Applications 5 \(5\)](#), 419-536.

Savolainen V, Cowan RS, Vogler AP, Roderick GK, eds (2005) *DNA Barcoding of Life*. Published as theme issue in: [Philosophical Transactions of the Royal Society: Biological Sciences, 360 \(1462\)](#), 1803-1980.

Sw

SELECTED PUBLICATIONS, see [Google Scholar](#), student^{S,U}, postdoc^P

Overcast I, ... Papadopoulou A, Emerson BC, Hélène M (2022). Toward a genetic theory of island biogeography: Inferring processes from multi-dimensional community-scale data. *Global Ecology and Biogeography*. 4 Oct 2022.

Emerson B, Arribas P, Andujar C (2022). Collective and harmonised high throughput barcoding of insular arthropod biodiversity: Toward a genomic observatories network for islands. [Authorea Preprints](#). 19 Aug 2022

Shi W, Ye H, **Roderick G**, Cao J, Kardelhué C, Han P (2022). Role of genes in regulating host plants expansion in Tephritid fruit flies (Diptera) and potential for RNAi-based control. [Journal of insect science, 22\(4\)](#), 1-13. 22 July 2022

Kennedy S, Calaor J, Zurápití Y, Hans J, Yoshimura M, Choo J, Andersen JC, Callaghan J, **Roderick GK**, Krehenwinkel H, Rogers H, Gillespie RG, Economo EP (2022). Richness and resilience in the pacific: DNA metabarcoding enables parallelized evaluation of biogeographic patterns. [Molecular Ecology](#). 21 June 2022

Bakker F, A... , Källersjö M (2020) The Global Museum: Natural history collections and the future of evolutionary science and public education. [PeerJ, 8](#), e8225.

Pétillon J, Privet K, **Roderick GK**, Gillespie RG, Price DK (2020). Non-native spiders change assemblages of hawaiian forest fragment kipuka over space and time. *NeoBiota, 55*, 1. <https://doi:10.3897/neobiota.55.48498>. 23 Mar 2020

Müller-Schärer H, Bouchemousse S, Litto M, McEvoy P, **Roderick G**, Sun Y (2020) How to better predict long-term benefits and risks in weed biocontrol: an evolutionary perspective. [Current Opinion in Insect Science, 38](#): 84-91.

Shi, W., **Roderick, G.**, and Zhang, G.-S. (2020). Mechanisms of novel host use by *Bactrocera tau* (Tephritid: Diptera) revealed by RNA transcriptomes. [Journal of Insect Science 22](#), 1-10.

Sun Y^P, **Roderick GK** (2019). Rapid evolution of invasive traits facilitates the invasion of common ragweed, *Ambrosia artemisiifolia*. [J Ecology 107](#), 2673-2687.

Andersen JCP, Oboyski P, Charlat S, Ewing CP, ... **Roderick GK** (2019) Statistical identification of species as likely native or likely non-native using DNA sequence signatures without a complete reference library. [Ecological Applications 29](#), e01914.

Lam AW^S, Toussaint E, Kindler C, Van Dam M, Panjaitan R, **Roderick GK**, Balke M (2018) Stream flow alone does not predict population structure of diving beetles across complex tropical landscapes. [Molecular Ecology 17](#), 3541-3554.

Gillespie RG, Benjamin SP, Brewer MS, Rivera MAJ^S, **Roderick GK** (2018) Repeated diversification of ecomorphs in Hawaiian stick spiders. [Current Biology, 28](#), 1-7.

Claridge EM^S, Gillespie RG, Brewer MS, **Roderick GK** (2017) Stepping-stones across space and time: Repeated radiation of Pacific flightless broad-nosed weevils (Coleoptera: Curculionidae: Entiminae: Rhyncogonus). [J. Biogeography, 44](#), 784-796.

Ramage T, Martins-Simoes P, Mialdea G, Allemand R, Duploux A, Rousse P, Davies N^P, **Roderick GK**, Charlat S^P (2017) A DNA barcode-based survey of terrestrial arthropods in the Society archipelago, French Polynesia: host diversity within the SymbioCode Project. [European Journal of Taxonomy](#), DNA Library of Life, special issue 272, 1-13.

- Sun YP, Brönnimann O, **Roderick GK**, Poltavsky A, Lommen STE, Müller-Schärer H (2017) Climatic suitability ranking of biological control candidates: a biogeographic approach for ragweed management in Europe. [Ecosphere 8, e01731](#).
- Zeilinger AP, Rapacciuolo G, Turek D, Oboyski PT, Almeida RPP, **Roderick GK** (2017) Museum specimen data reveal emergence of a plant disease linked to increases in the insect vector population. [Ecological Applications 27, 1827-1837](#).
- Davies N, Field D, Gavaghan D, Holbrook SJ, Planes S, Troyer M, Bonsall M, Claudet J, **Roderick GK**, Schmitt RJ et al. (2016) Simulating social-ecological systems: the Island Digital Ecosystem Avatars (IDEA) consortium. [GigaScience 5, 1-4](#).
- Hadjistylli M^S, **Roderick GK***, Brown JK* (2016) Global population structure of a worldwide pest and virus vector: genetic diversity and population history of *Bemisia tabaci* sibling species group. [PLoS One, 11: e0165105](#). *Contributed equally.
- Leong M^S, Ponisio LC, Kremen C, Thorp RW, **Roderick GK** (2016) Temporal dynamics influenced by global change: bee community phenology in urban, agricultural, and natural landscapes. [Global Change Biology 22: 1046-1053](#).
- Roderick GK**, Gillespie RG (2016) Arthropodes terrestres des îles Marquises. In: *Biodiversité terrestre et marine des îles Marquises, Polynésie française* (eds. Galzin R, Duron S-D, Meyer J-Y), pp. 391-404. [Société Française d'Ichtyologie](#), Paris.
- Rominger AJ, Goodman KR^S, et al (2015) Community assembly on isolated islands: macroecology meets evolution. [Global Ecology and Biogeography, 25: 769-780](#).
- Gillespie RG, **Roderick GK** (2014) Evolution: Geology and climate drive diversification. [Nature 509, 297-298, News and Views](#).
- Boubou A^S, Migeon A, **Roderick GK**, Auger P, Cornuet J-M, Magalhães S, Navajas M (2012) Test of colonisation scenarios reveals complex invasion history of the red tomato spider mite *Tetranychus evansi*. [PLoS One 7, e35601](#).
- Davies N, Field D, & **The Genomic Observatories Network** (2012) A genomic network to monitor Earth. [Nature 481, 145](#).
- Gillespie RG, Baldwin BG, Waters JM, Fraser CI, Nikula R, **Roderick GK** (2012) Long-distance dispersal: a framework for hypothesis testing. [Trends in Ecology & Evolution 27, 52-61](#). Article listed as "must read" in F1000.
- Roderick GK**, Croucher PJPP, Vandergast AG^S, Gillespie RG (2012) Species differentiation on a dynamic landscape: shifts in metapopulation structure using the chronology of the Hawaiian Archipelago. [Evolutionary Biology 32, 192-206](#).
- Schoville SD^S, Stuckey M^U, **Roderick GK** (2011) Pleistocene origins and population history of a neoendemic alpine butterfly. [Molecular Ecology 20, 1233-1247](#).
- Chen YH^P, Berlocher SH, Opp SB, **Roderick GK** (2010) Post-colonization temporal genetic variation of an introduced fly, *Rhagoletis completa*. [Genetica 138, 1059-1075](#).
- Nardi FP, Carapelli A, Boore JL, **Roderick GK**, Dallai R, Frati F (2010) Domestication of olive fly through multi-regional host shifts on cultivated olives: comparative complete mitochondrial genomes. [Molecular Phylogenetics and Evolution 57, 678-686](#).
- Petit JN^S, Hoddle MS, Grandgirard JP, **Roderick GK**, Davies N (2009) Successful spread of a biocontrol agent reveals a biosecurity failure: Elucidating long distance invasion pathways ... in French Polynesia. [BioControl 54, 485-495](#).
- Grandgirard JP, Hoddle MS, Petit JN^S, **Roderick GK**, Davies N (2008) Engineering an invasion: classical biological control of the glassy-winged sharpshooter, *Homalodisca vitripennis*, by the egg parasitoid *Gonatocerus ashmeadi* in Tahiti and Moorea, French Polynesia. [Biological Invasions 10, 135-148](#).
- Charlat S, Hornett EA, Fullard JH, Davies N, **Roderick GK**, Wedell N, Hurst GD (2007) Extraordinary flux in sex ratio. [Science 317, 214-214](#).
- Roderick GK**, Navajas M (2003) Genes in novel environments: Genetics and evolution in biological control. [Nature Reviews Genetics 4, 889-899](#).

RESEARCH NEWS

Repeated evolution of Hawaiian stick spiders, [Science](#) (March 2018); To assess and predict the future of Earth's ecosystem, [Breakthroughs](#) (Fall 2016); Tropical paradise inspires virtual ecology lab, [Nature, 517, 255-256](#) (2015); This tropical paradise might save the planet, [Wired](#) (June 2015); Evolution: Geology and climate drive diversification, [Nature, 509, 297-298](#) (2014); Treasure island: pinning down a model ecosystem, [Nature 439, 378-379](#) (2006)

OUTREACH

Photography for science, education and outreach, roderick.photler.com