

**David Howard Hembry**  
 Kyoto University  
 Center for Ecological Research  
 2-509-3 Hirano, Ōtsu, Shiga 520-2113, Japan  
 Office: +81-77-549-8213  
 hembry@ecology.kyoto-u.ac.jp

### Education

2005–2012	Ph.D., Environmental Science, Policy, and Management, University of California, Berkeley
1999–2003	B.A., Biology, Harvard University

### Research Positions

2013–	NSF International Research Fellow, Kyoto University
2012–	International Research Scientist, Kyoto University
2012–2013	Japan Society for the Promotion of Science Postdoctoral Researcher, Kyoto University
2006–2007	Graduate Student Researcher, Essig Museum of Entomology, University of California, Berkeley
2003–2005	Research Student, Kyoto University
2001, 2003	Research Assistant, University of California, Santa Cruz

### Fellowships, Awards & Honors

2012	NSF International Research Fellowship (IRFP)
2012	Japan Society for the Promotion of Science Postdoctoral Fellowship
2010	Outstanding Graduate Student Instructor Award, UC Berkeley
2008	Foreign Language and Area Studies Fellowship (Indonesian)
2005	NSF Graduate Research Fellowship (GRFP)
2005	NSERC Postgraduate Scholarships M (declined to attend graduate school in the US)
2003	Monbushō Research Student Scholarship (Japanese government)
2003	Fulbright Grant (declined in favor of Monbushō fellowship)
2002	Tazuko Ajiro Monane Prize for Japanese language study, Harvard University
2002	King Fellowship, Harvard College

### Grants

*\*indicates participant*

2013	*National Natural Science Foundation of China, “Comparative phylogeography of obligate pollination mutualisms between <i>Phyllanthus</i> spp. (Phyllanthaceae) and their pollinating and parasitic insects” (PI: S. Luo; CN¥80,000)
2012	JSPS Grant-in-Aid for Scientific Research (with A. Kawakita; JP¥3,000,000)
2011	Organization for Tropical Studies Research Grant (\$1,470)
2011	McBryde Travel Award, National Tropical Botanical Garden (\$1000)

2011	Travel Grant, ESPM, UC Berkeley (\$900)
2010, 2011	Travel Grant, UC Berkeley Entomology Students' Association (2)
2010	NSF East Asia and Pacific Summer Institute (Japan)
2007, 2008	Sigma Xi Grant-In-Aid of Research (2)
2007	Society for the Study of Evolution Conference Travel Award (\$750)
2006–2012	Walker Fund for Arthropod Systematics, UC Berkeley (7)

## Publications

- #. **Hembry DH**, Yoder JB, Goodman KR. In review. Coevolution and the diversification of life. Resubmitted 15 April 2014 to *The American Naturalist*
7. Raimundo RLG, Gibert JP, **Hembry DH**, Guimarães PR. 2014. Conflicting selection in the course of adaptive diversification: the interplay between mutualism and intraspecific competition. *The American Naturalist* 183: 363-375
6. **Hembry DH**. 2013. Herbarium specimens reveal putative insect extinction on the deforested island of Mangareva (Gambier Archipelago, French Polynesia). *Pacific Science* 67: 553-560
5. Katayama N, **Hembry DH**, Hojo MK, Suzuki N. 2013. Why do ants shift their foraging from extrafloral nectar to aphid honeydew? *Ecological Research* 28: 919-926
4. **Hembry DH**, Kawakita A, Gurr NE, Schmaedick MA, Baldwin BG, Gillespie RG. 2013. Non-congruent colonizations and diversification in a coevolving pollination mutualism on oceanic islands. *Proceedings of the Royal Society B* 280: 20130361
3. **Hembry DH**, Okamoto T, McCormack G, Gillespie RG. 2013. Phytophagous insect community assembly through niche conservatism on oceanic islands. *Journal of Biogeography* 40: 225-235
2. **Hembry DH**, Okamoto T, Gillespie RG. 2012. Repeated colonization of remote islands by specialized mutualists. *Biology Letters* 8: 258-261
1. **Hembry DH**, Katayama N, Hojo MK, Ohgushi T. 2006. Herbivory damage does not indirectly influence the composition or excretion of aphid honeydew. *Population Ecology* 48: 245-250

## Non-peer-reviewed

4. Hembry D. 2014. Trait-Mediated Indirect Interactions: Ecological and Evolutionary Perspectives [book review]. In press at *Nihon Seitai Gakkai Nyūsurettā* [In Japanese]
3. Hembry D. 2013. Shinka-seitaigaku no kenkyū-ryūgaku no tame Amerika kara Nihon ni kite mananda koto. [Things I learned coming from the US to Japan to do evolutionary ecology.] *Nihon Seitai Gakkai Kantō Chikukai Kaihō* 61: 11-14 [In Japanese]

2. Hembry, D. 2012. What's changed in evolution and ecology since I started my Ph.D. Guest post for *Nothing in Biology Makes Sense!* Online at <http://nothinginbiology.org/2012/06/19/whats-changed-in-evolution-and-ecology-since-i-started-my-ph-d/>
1. Hembry DH. 2012. Coevolutionary diversification of leafflower moths (Lepidoptera: Gracillariidae: *Epicephala*) and leafflower trees (Phyllanthaceae: *Phyllanthus* sensu lato [*Glochidion*]) in southeastern Polynesia. Ph.D. Dissertation, University of California, Berkeley.

### Teaching Experience

2011	Teaching Assistant, General Entomology, UC Berkeley Instructor: PM O'Grady
2010	Teaching Assistant, Evolution, UC Berkeley Instructors: K Padian, EL Simms, JL Boore
2009	Teaching Assistant, Biology and Geomorphology of Tropical Islands (field course), UC Berkeley Instructors: BD Mishler, PV Kirch, GK Roderick, VH Resh
2008	Reader, Human Biogeography of the Pacific, UC Berkeley Instructor: PV Kirch
2008	Instructor, Jepson Herbarium Workshop, UC Berkeley "Insect Diversity and Coevolution"

### Mentoring

#### Undergraduate Mentoring:

2010–2011	Lesje Atkinson, URAP (Molecular Environmental Biology, UC Berkeley)
2010–2011	Chang Guo, URAP (Integrative Biology, UC Berkeley)

### Service

#### National & International

2014	Judge, graduate student presentation awards, American Society of Naturalists meeting, Pacific Grove, CA
2012–	Planning committee for International Symposium on Gracillariidae, September 26-28, 2014, Kozagawa, Japan
2013	Organized international symposium on leafflower-leafflower moth interactions (Phyllanthaceae/ <i>Epicephala</i> ), Kyoto University, December 13, 2013
2010–	Associate Faculty Member, Faculty of 1000 (with R.G. Gillespie)
2012	Outreach talk, JSPS Science Dialogue, Nagoya Kōyō High School, Nagoya, Japan
2009	Outreach talk, American Sāmoa Community College, Pago Pago, AS
2008	Outreach talk, Association Te Pū 'Atiti'a, Mo'orea, French Polynesia [in French]

**UC Berkeley (2005-2012)**


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2008–2009	Organized graduate Coevolution Reading Group
2007	Planning committee for ESPM Graduate Research Symposium
2006–2007	Student representative to faculty meetings, Division of Organisms and Environment

**Manuscript & Proposal Reviews**


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Reviewer for the journals *Molecular Ecology* (5), *Oikos* (2), *Ecological Entomology* (2), *Ecology* (1), *Functional Ecology* (1), *Biotropica* (1), *Molecular Phylogenetics and Evolution* (1), *Biological Conservation* (1), *Zootaxa* (1), *Plant Species Biology* (1), and *Nihon Seitai Gakkai Shi* (*Japanese Journal of Ecology*; 1)

Grant review for the National Geographic Society (Committee on Research and Exploration; 1)

**Workshop Participation**


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2009	NSF BS&I French Polynesia Terrestrial Arthropod Survey Workshop, Papara, Tahiti, French Polynesia
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**Professional Societies**

Society for the Study of Evolution (2006-present); Society for Evolutionary Studies, Japan (2010-present); European Society for Evolutionary Biology (2011-present); American Society of Naturalists (2013-present); Ecological Society of Japan (2013-present)

**Other Professional Training**

Workshop on Macroevolution in R, NCEAS, Santa Barbara, CA, 2012  
 Bodega Applied Phylogenetics Workshop, Bodega Bay, CA, 2012  
 São Paulo School on Ecological Networks, São Pedro, Brazil, 2011

**Field Experience**

**AMERICAN SAMOA** (Tutuila, Ofu, Ta'ū: January 2009); **COOK ISLANDS** (Rarotonga, Mangaia, 'Ātiu: May 2008); **FIJI** (Viti Levu: May 2010); **FRENCH POLYNESIA** (SOCIETY ISLANDS (Mo'orea, Tahiti, Mehetia, Huahine, Ra'iatea, Taha'a, Bora Bora, Maupiti): June-August 2006, September 2007-January 2008; July 2008; September-November 2009; July 2011; July-August 2013; MARQUESAS ISLANDS (Nuku Hiva, Ua Pou, Hiva Oa, Fatu Hiva): July-August 2007; AUSTRAL ISLANDS (Rimatara, Rurutu, Tubuai, Raivavae, Rapa): September 2007; February-April 2008; GAMBIER ISLANDS (Mangareva): June 2008; TUAMOTU ISLANDS (Niau): June 2008); **NEW CALEDONIA** (Grande Terre: March 2013); **MALAYSIA** (SARAWAK: July 2010); **JAPAN** (Shikoku: June 2010; Ryukyu Archipelago: November-December 2012); **UNITED STATES** (FLORIDA: March 2010; OKLAHOMA: June 2011; CALIFORNIA: March-April 2006,

March-April 2007; HAWAII (Kaua'i, O'ahu, Maui): June-July 2005, May 2011); **COSTA RICA** (La Selva: May 2012); **DOMINICAN REPUBLIC** (March 2002)

### Invited Talks

- 2014 March – Empirical insights into the assembly of mutualistic and antagonistic plant-insect communities in Southeastern Polynesia. Symposium, Island Biogeography: Integrating Ecological and Evolutionary Perspectives, Ecological Society of Japan Meeting, Hiroshima, Japan
- January – Coevolution, phylogenetic history, and specialization in the *Glochidion-Epicephala* mutualism on oceanic islands. Kakuchi Seminar, Faculty of Agriculture, Kyoto University, Kyoto, Japan
- 2013 December – Coevolution, phylogenetic history, and specialization in the *Glochidion-Epicephala* mutualism on oceanic islands. University of Shiga Prefecture, Hikone, Japan [in Japanese]
- October – Coevolution, phylogenetic history, and network structure of a specialized insect-plant mutualism diversifying on young oceanic islands. Keynote Address, Taiwan Entomological Society Meeting, Huisun Forest, National Chung Hsing University, Renai, Taiwan
- October – “Evolution of leafroller moths and other microlepidoptera on volcanic archipelagoes in the South Pacific.” Kansai Lepidopterists' Seminar, Kyoto Prefectural University, Kyoto, Japan [in Japanese]
- January – Coevolution, phylogenetic history, and network structure of the *Glochidion-Epicephala* mutualism on oceanic islands. Seitaiken Seminar, Center for Ecological Research, Kyoto University, Ōtsu, Japan
- January – Things I learned coming from the US to Japan to do evolutionary ecology. Symposium on Studying Abroad in Ecology, Kanto Branch of the Ecological Society of Japan, Tokyo, Japan [in Japanese]
- 2012 December – Coevolution, phylogenetic history, and network structure of the *Glochidion-Epicephala* mutualism on oceanic islands. Kyoto Prefectural University, Kyoto, Japan
- November – Coevolution, phylogenetic history, and network structure of the *Glochidion-Epicephala* mutualism on oceanic islands. Graduate School of Human and Environmental Science, Kyoto University, Kyoto, Japan
- October – Coevolution, phylogenetic history, and network structure of a pollination mutualism on oceanic islands. Plant Ecology Seminar, Center for Ecological Research, Kyoto University, Ōtsu, Japan [in Japanese]
- 2011 February – Codiversification of a pollinating seed-predation mutualism across the volcanic archipelagoes of Southeastern Polynesia. Essig Museum of Entomology, University of California, Berkeley, CA
- 2010 July – Codiversification of the *Glochidion-Epicephala* mutualism on volcanic archipelagoes in the South Pacific. Insect Ecology Seminar, Kyoto University, Japan [in Japanese]

- June – Colonization of remote islands by *Glochidion* and *Epicephala*, and their subsequent diversification. Seminar on the Phyllanthaceae-*Epicephala* Mutualism, Kyoto University, Kyoto, Japan
- May – Diversification of a pollination mutualism: *Glochidion* trees (Phyllanthaceae) and *Epicephala* moths (Gracillariidae) in Eastern Polynesia. Pacific Coast Entomological Society, Davis, CA
- 2009 February – Diversification of a coevolving mutualism: *Glochidion* trees (Phyllanthaceae) and *Epicephala* moths (Gracillariidae) in the Pacific. NSF BS&I French Polynesia Terrestrial Arthropod Survey Workshop, Papara, Tahiti, French Polynesia
- 2004 February – The SLGS Meta-Database Project. Santa Lucia Gradient Study Workshop, University of California, Santa Cruz, CA [presentation read by John N. Thompson]

### Abstracts and Presentations

- 2014 January – Host shifts, network dynamics, and diversification in specialized communities. American Society of Naturalists, Pacific Grove, CA
- 2013 June – Coevolution, diversification, and biogeography of a specialized insect-plant mutualism on oceanic islands. Ernst Mayr Symposium, SSE/SSB/ASN Meetings, Snowbird, UT
- June – Newman EA\*, Hembry D, and Harte J. The paradox of rare species in macroecology. SSE/SSB/ASN Meetings, Snowbird, UT [\* presenter]
- 2012 August – Phylogenetic history and network structure of a coevolving pollination mutualism on oceanic islands. Ecological Society of America, Portland, OR
- July – Phylogenetic history and network structure of a coevolving pollination mutualism on oceanic islands. 1<sup>st</sup> Joint Congress on Evolutionary Biology, Ottawa, ON, Canada
- 2011 November – Codiversification of a pollinating seed-predation mutualism in Eastern Polynesia. Entomological Society of America, Reno, NV
- June – Codiversification of a pollinating seed-predation mutualism in Eastern Polynesia. SSE/SSB/ASN Meetings, Norman, OK
- May – Non-congruent colonizations of Southeastern Polynesia by a specialized insect-plant mutualism. Evolution of Life on Pacific Islands and Reefs, Honolulu, HI
- 2010 December – Multiple non-congruent colonizations of oceanic islands reveal dynamics of codiversification in a specialized pollination mutualism. Western Evolutionary Biologists Meeting, Irvine, CA
- August – Multiple non-congruent colonizations of Eastern Polynesia reveal evolutionary dynamics of a specialized pollination mutualism. Society of Evolutionary Studies, Japan, Tokyo, Japan
- 2009 March – Diversification of a plant-insect mutualism across Eastern Polynesia. Pacific Science Inter-Congress, Faa'a, Tahiti, French Polynesia

- 2007 June – Dispersal and in situ radiation of an obligate pollination mutualism onto remote oceanic islands in the Pacific. SSE/SSB/ASN Meetings, Christchurch, New Zealand
- March – Seago A\*, Hembry DH\*, Larsen A\*, Mitchell BJ, Lindberg D, Mishler B, Moritz C, Power M, Gillespie RG. Exploring California biodiversity: development of multi-access keys to focal groups of organisms. NSF GK12 Annual Meeting, Washington, DC [\*presenters]
- 2006 June – Phylogeny of the moth family Gracillariidae (Lepidoptera) and evolution of the pollination syndrome in the genus *Epicephala*. SSE/SSB/ASN Meetings, Stony Brook, NY
- 2004 August – Does herbivory damage to plants indirectly affect the output of honeydew by aphids? Ecological Society of Japan, Kushiro, Japan
- August – To what extent do aphids act as extrafloral nectaries? International Congress of Entomology, Brisbane, Australia
- August – Does herbivory damage to plants indirectly affect the output of honeydew by aphids? Society of Evolutionary Studies, Japan, Tokyo, Japan

### Media Coverage

- 2013 “Know any good snail jokes?” *Slate*, December 11.
- 2012 “Hunting for insects on Viti Levu.” *Ecosystem Based Management-Fiji Newsletter* (Wildlife Conservation Society Fiji)
- 2011 “Nach all den Jahren.” *Forschung Aktuell*, Deutschlandfunk (German public radio), December 14. [in German]
- “Biodiversity study includes Cooks.” *Cook Islands News*, September 19.
- “Study indicates symbiotic species can reconnect after separation.” *Daily Californian*, September 12.
- “Symbiotic species reconnect across distances, study finds.” UC Berkeley College of Natural Resources web site, September 7.
- 2009 *Le Journal*, Tahiti Nui Télévision, November 16. [in French]
- 2008 “Maupiti: l’effet *Glochidion*.” *La Dépêche de Tahiti*, January 10. [in French]
- Citizenship: United States, Canada, and United Kingdom (triple)