

(Daniel Rubinoff)

**College of Tropical Agriculture and Human Resources**

(PEPS-Entomology)

FTE Distribution: .30% I; .70% R; 0% E

**Education**

<u>Degree</u>	<u>University</u>	<u>Major</u>
Bachelors	Cornell University	Natural Resources
PhD	University of California, Berkeley	Environmental Science, Policy and Management

**Professional Appointments**

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Professor, Associate Professor, Assistant Professor	University of Hawai'i Manoa, Department of Plant and Environmental Protection Sciences-Entomology Graduate program	10/02-present
<b>Director</b> , University of Hawai'i Insect Museum	University of Hawai'i Manoa, Department of Plant and Environmental Protection Sciences-Entomology Graduate program	12/02-present
<b>Elected faculty member</b> of the Ecology, Evolution, and Conservation Biology Graduate Program	N/A	11/02-present

**Courses Taught**

Course Number and Title (credits)

Invasive Pest Species PEPS 350 (3)

Systematics and Phylogenetics PEPS 662 (3)

Entomology Seminars PEPS 690 (1-2 credits)

**Publications (reverse chronological order)**

Books

Will, K., Gross, J., Rubinoff, D. and Powell, J.A., 2020. *Field Guide to California Insects* (Vol. 111). California Natural History Guide. UC Press, Berkeley, CA.

Book Chapters

Lepczyk, C. A. and D. Rubinoff. 2018. Ecological Issues (of invasive species) in *Ecology and*

*Management of Terrestrial Vertebrate Invasive Species in the United States*. W. C. Pitt, J. Beasley and G. W. Witmer, Eds. CRC Press, Taylor and Francis.

Refereed Journal Publications (last 6 years)

Rubinoff, D., M. San Jose, and C. Doorenweerd. 2025. Hawaiian Caterpillar patrols spiderwebs camouflaged in insect prey's body parts. *Science*. 388, pp/ 428-430.

Congrains, C., Bremer, F., Dupuis, J.R., Barr, N.B., Garzón-Orduña, I.J., Rubinoff, D., Doorenweerd, C., Jose, M.S., Morris, K., Kauwe, A. and Geib, S., 2025. CCS-Consensuser: A Haplotype-Aware Consensus Generator for PacBio Amplicon Sequences. *Molecular Ecology Resources*, p.e14113.

Austin, K.A. and Rubinoff, D., 2025. Patterns of extinction across Hawaiian Lepidoptera offer lessons from a diverse, neglected, and vulnerable endemic fauna. *Biodiversity and Conservation*, 34(3), pp.917-930.

Austin, K.A. and Rubinoff, D., 2025. Phylogenetics Confirms a Unique Instance of Endemicity in a Polyphagous Hawaiian Moth Pest and Uncovers a Remarkable New Species. *Pacific Science*, 78(2), pp.119-137.

Austin, K.A., Rubinoff, D. 2024b. Nine new species of Hawaiian leaf-roller moths (Lepidoptera: Tortricidae), including one probably extinct species. *Proceedings of the Hawaiian Entomological Society*, 56: 29–59.

Foster, A., Lepczyk, C.A., Fantle-Lepczyk, J.E. and Rubinoff, D., 2024. Cats in a bag: state-based spending for invasive species management across the United States is haphazard, uncoordinated, and incomplete. *Biological Invasions*, pp.1-8.

Doorenweerd, C., San Jose, M., Leblanc, L., Barr, N., Geib, S.M., Chung, A.Y., Dupuis, J.R., Ekayanti, A., Fiegalan, E., Hemachandra, K.S. and Aftab Hossain, M., 2024. Towards a better future for DNA barcoding: Evaluating monophyly-and distance-based species identification using COI gene fragments of Dacini fruit flies. *Molecular Ecology Resources*, 24(6), p.e13987.

Rubinoff, D. 2024. Monarch would be misplaced on the endangered species list. San Joaquin Valley Sun editorial. <https://sjvsun.com/view/monarch-butterfly-would-be-misplaced-on-endangered-species-list/>

Austin, K.A. and Rubinoff, D., 2024. New records of introduced Lepidoptera in the Hawaiian Islands for the year 2023. *Bish. Mus. Occas. Pap*, 156, pp.71-90.

Rubinoff, D. and Gon III, S.M.O.Ö.A., 2023. The role of feral goats in Maui fires. *Science*, 381(6664), pp.1294-1294.

Doorenweerd, C., San Jose, M., Geib, S., Barr, N. and Rubinoff, D., 2023. Genomic data reveal new species and the limits of mtDNA barcode diagnostics to contain a global pest species complex (Diptera: Tephritidae: Dacinae). *Systematic Entomology*.

Austin, K.A. and Rubinoff, D., 2023. Seven New Species of Hawaiian Leaf-Roller Moths (Tortricidae). *The Journal of the Lepidopterists' Society*, 77(2), pp.73-89.

Doorenweerd, C., Austin, K.A. and Rubinoff, D., 2023. Five New Species of Hawaiian Endemic Fancy Case Caterpillars (Cosmopterigidae: *Hypsmocoma*) from a Recently Established Forest Reserve on

Maui. Proceedings of the Hawaiian Entomological Society

Austin, K.A. and Rubinoﬀ, D., 2023. In press. Rediscoveries and Presumed Extinctions of Hawaiian Leaf-roller Moths (Lepidoptera: Tortricidae). Proceedings of the Hawaiian Entomological Society

San Jose, M., Doorenweerd, C., Geib, S., Barr, N., Dupuis, J.R., Leblanc, L., Kauwe, A., Morris, K.Y. and Rubinoﬀ, D., 2023. Interspecific gene flow obscures phylogenetic relationships in an important insect pest species complex. *Molecular Phylogenetics and Evolution*, p.107892.

Cognato, A.I., Taft, W., Osborn, R.K. and Rubinoﬀ, D., 2023. Multi-gene phylogeny of North American clear-winged moths (Lepidoptera: Sesiidae): a foundation for future evolutionary study of a speciose mimicry complex. *Cladistics*, 39(1), pp.1-17.

San Jose, M., Doorenweerd, C. and Rubinoﬀ, D., 2023. Genomics reveals widespread hybridization across insects with ramifications for species boundaries and invasive species. *Current Opinion in Insect Science*, p.101052. <https://doi.org/10.1016/j.cois.2023.101052>

Doorenweerd, C., San Jose, M., Geib, S., Dupuis, J., Leblanc, L., Barr, N., Fiegalan, E., Morris, K.Y. and Rubinoﬀ, D., 2023. A phylogenomic approach to species delimitation in the mango fruit fly (*Bactrocera frauenfeldi*) complex: A new synonym of an important pest species with variable morphotypes (Diptera: Tephritidae). *Systematic Entomology*. <https://doi.org/10.1111/syen.12559>

Austin, K. A. and D. Rubinoﬀ. 2022. Eleven New Records of Lepidoptera in the Hawaiian Islands including corrections to the Hawaiian Terrestrial Arthropod Checklist. *Bishop Museum Occasional Papers* 142:49-74.

Doorenweerd, C., San Jose, M., Leblanc, L. and Rubinoﬀ, D. 2022. Inadequate molecular identification protocols for invasive pests threaten biosecurity. *Systematic Entomology*. <https://doi.org/10.1111/syen.12581>

Fumia, N., Rubinoﬀ, D., Zenil-Ferguson, R., Khoury, C.K., Pironon, S., Gore, M.A. and Kantar, M.B., 2022. Interactions between breeding system and ploidy affect niche breadth in *Solanum*. *Royal Society Open Science*, 9(1), p.211862.

Fumia, N., Pironon, S., Rubinoﬀ, D., Khoury, C.K., Gore, M.A. and Kantar, M.B., 2022. Wild relatives of potato may bolster its adaptation to new niches under future climate scenarios. *Food and Energy Security*, p.e360.

Elliot, C., Gillett, C.P.D.T., Parsons, E., Wright, M.G. and Rubinoﬀ, D. 2021. Identifying key threats to a refugial population of an endangered Hawaiian moth. *Insect Conservation and Diversity* doi: 10.1111/icad.12553

Hembry, D.H., Bennett, G.M., Bess, E., Liebherr, J.K., Magnacca, K.N., Percy, D.M., Polhemus, D., Rubinoﬀ, D., Shaw, K. and O'Grady, P.M., 2021. Insect Radiations on Islands: Biogeographic Pattern and Evolutionary Process in Hawaiian Insects. *The quarterly review of biology*, 96(4).

Elliott, C.H., Gillett, C.P., Parsons, E. and Rubinoﬀ, D., 2021. Conservation conundrum: Endangered species persists on noxious weed. *Biotropica*, 53(5), pp.1265-1269.

Doorenweerd, C., Austin, K.A. and Rubinoﬀ, D., 2021. First Confirmed Record of Leaf Mining in the Fruitworm Moths (Carposinidae): A New Species Feeding on an Endemic Hawaiian *Clermontia* (Campanulaceae). *Proceedings of the Hawaiian Entomological Society* 53

Rubinoﬀ, D., Doorenweerd, C., McElfresh, J.S. and Millar, J.G., 2021. Phylogeography of an endemic California silk moth genus suggests the importance of an unheralded central California province in generating regional endemic biodiversity. *Molecular Phylogenetics and Evolution*, p.107256.

Rubinoﬀ, D., San Jose, M. and Hundsdoerfer, A.K., 2021. Cryptic diversity in a vagile Hawaiian moth group suggests complex factors drive diversification. *Molecular Phylogenetics and Evolution*, 155, p.107002.

Rubinoﬀ, D., Longcore, T., Dupuis, J.R. and Osborne, K.H., 2021. Genomic Data Support the Elevation of the Federally Listed El Segundo Blue (*Euphilotes bernardino/battoides allyni*) to Species Status. *The Journal of the Lepidopterists' Society*, 75(2), pp.161-164.

Gillett, C., Honsberger, D., Bogner, K.K., Sprague, R.S., Matsunaga, J.N. and Rubinoﬀ, D. 2020. First Record of the Coffee Berry Borer, *Hypothenemus hampei* (Ferrari, 1867), on the Hawaiian Island of Lanai (Coleoptera: Curculionidae: Scolytinae). *Proceedings of the Hawaiian Entomological Society* 52:59-66

Doorenweerd, C., Ekayanti, A. and Rubinoﬀ, D., 2020. The Dacini fruit fly fauna of Sulawesi fits Lydekker's line but also supports Wallacea as a biogeographic region (Diptera, Tephritidae). *ZooKeys*, 973, p.103.

Mawdsley, J.R., Simmons, T. and Rubinoﬀ, D., 2020. Voluntary conservation, not regulation, will be key to monarch butterfly recovery. *Wildlife Society Bulletin*, 44(3), pp.585-589.

Doorenweerd, C., Sievert, S., Rossi, W. and Rubinoﬀ, D., 2020. The paradoxical rarity of a fruit fly fungus attacking a broad range of hosts. *Ecology and Evolution*, 10(16), pp.8871-8879. <https://doi.org/10.1002/ece3.6585>

Dupuis, J.R., Geib, S.M., Schmidt, C. and Rubinoﬀ, D. 2020. Genomic wide sequencing reveals remarkable connection between widely disjunct populations of the internationally threatened bog buck moth. *Insect Conservation and Diversity*.

Gillett, C.P., Osborne, K.H., Reil, J.B. and Rubinoﬀ, D. 2020. A new species of melolonthine chafer in the endemic Californian genus *Dinacoma* Casey (Coleoptera: Scarabaeidae). *Journal of Insect Biodiversity*, 17(2), pp.28-35.

Dupuis, J.R., Geib, S.M., Osborne, K.H. and Rubinoﬀ, D., 2020. Genomics confirms surprising ecological divergence and isolation in an endangered butterfly. *Biodiversity and Conservation*, pp.1-25.

Gillett, C.P.T., Honsberger, D., Elliott, C. and Rubinoﬀ, D., 2020. Two Endemic Species of Hawaiian Bark Beetles Newly Recorded from the Island of Moloka'i (Coleoptera: Curculionidae: Scolytinae). *Transactions of the American Entomological Society*, 146(1), pp.251-257.

Gillett, C.P.D.T., F. Yousuf, and D. Rubinoﬀ. 2020. First host plant record for the endemic Hawaiian ambrosia beetle *Xyleborus pleiades* Samuelson, 1981 (Coleoptera: Curculionidae: Scolytinae). *Proceedings of the Hawaiian Entomological Society*

Rubinoﬀ, D., Reil, J.B., Osborne, K.H., Gregory, C.J., Geib, S.M. and Dupuis, J.R. 2020. Phylogenomics reveals conservation challenges and opportunities for cryptic endangered species in a

rapidly disappearing desert ecosystem. *Biodiversity and Conservation*, **29**, pp. 2185-2200. DOI: 10.1007/s10531-020-01968-w

Rubioff, D. and Doorenweerd, C., 2020. Systematics and Biogeography Reciprocally Illuminate Taxonomic Revisions in the Silkmoth Genus *Saturnia* (Lepidoptera: Saturniidae). *The Journal of the Lepidopterists' Society*, **74**(1), pp.1-6.

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. and Parent, C.E., Patton, A. H., Pfennig, K. S., **Rubioff, D.**, Schluter, D., Seehausen, O., Shaw K.L., Stacy, E., M. Stervander , Stroud, J.T., Wagner, C., and G. Wogan. 2020. Comparing adaptive radiations across space, time, and taxa. *Journal of Heredity*, **111**(1), pp.1-20. doi:10.1093/jhered/esz064

Doorenweerd, C., San Jose, M., Barr, N., Leblanc, L. and Rubioff, D., 2020. Highly variable COI haplotype diversity between three species of invasive pest fruit fly reflects remarkably incongruent demographic histories. *Scientific Reports*, **10**(1), pp.1-10.

Rubioff, D. and Doorenweerd, C. 2020. In and out of America: Ecological and species diversity in Holarctic giant silkmoths suggests unusual dispersal, defying the dogma of an Asian origin. *Journal of Biogeography*, **47**(4), pp.903-914.

Gillett, C.P., Elliott, C. and Rubioff, D., 2019. Records of seven species of native and exotic bark beetles new to Pu'u Wa'awa'a Dry Forest Unit, Hawai 'i Island (Coleoptera: Curculionidae, Scolytinae). *Fragmenta entomologica*, **51**(2), pp.233-240.

Gillett, C.P., Honsberger, D. and Rubioff, D. 2019. Rediscovery of the Hawaiian endemic bark beetle *Xyleborus pleiades* Samuleson, 1981 on Moloka 'i, with records of three new exotic bark beetles for the island (Coleoptera: Curculionidae: Scolytinae: Xyleborini). *Journal of Natural History*, **53**(23-24), pp.1481-1490.

Leblanc L, Hossain MA, Doorenweerd C, Khan SA, Momen M, San Jose M, Rubioff D. 2019. Six years of fruit fly surveys in Bangladesh: a new species, 33 new country records and discovery of the highly invasive *Bactrocera carambolae* (Diptera, Tephritidae). *ZooKeys* 876: 87-109. <https://doi.org/10.3897/zookeys.876.38096>

Medeiros, M.J., Kirkpatrick, J., Elliott, C.H., Prestes, A., Eiben, J. and Rubioff, D. 2019. Two new day-flying species of *Agrotis* Ochseneimer (Lepidoptera: Noctuidae) from the alpine summit of the Maunakea Volcano. *Zootaxa*, **4545**; 277-285.

Doorenweerd, C., Leblanc, L., Hsu, Y.F., Huang, C.L., Lin, Y.C., San Jose, M. and Rubioff, D., 2019. Taiwan's Dacini Fruit Flies: Rare Endemics and Abundant Pests, along Altitudinal Gradients. *Pacific Science*, **73**; 35-60.

Creative Works (i.e., Extension Videos, Websites, Blogs, Creative Designs and Exhibitions, etc.)

Rubioff, D. 2022. Here's How Some Species Will Survive Climate Change  
*Scientific American*. Editorial. <https://www.scientificamerican.com/article/here-s-how-some-species-will-survive-climate-change/>

Rubioff, D. 2021. How the suburbs could help save biodiversity. *Scientific American*. Editorial. <https://www.scientificamerican.com/article/how-the-suburbs-could-help-save-biodiversity/>

Why are Insect Museums Important? 3 minute video done with CTAHR media staff:  
<https://www.youtube.com/watch?v=Rx-OJwGyKjc>

Rubinoff, D. 2018. Bees Gone Wild. *Scientific American*. Editorial.  
<https://blogs.scientificamerican.com/observations/bees-gone-wild/>

Leadership Roles (Committees, Boards, Advisory, etc.)

Director, University of Hawaii Insect Museum.

Department Promotion and Tenure Committee (2018-2023, 2025)

Chair, Entomology Section of PEPS

**Graduate Students**

<u>Category</u>	<u>Current Number of Students</u>	<u>Number Graduated (Career)</u>
Chair of Master's Committees	0	7
Chair of PhD Committees	5	6
Member of Master's Committees	1	7
Member of PhD Committees	11	21

**Grant Support (last 5 years only 2018-2024)**

For All listed grants D. Rubinoff is sole PI.

Development of Diagnostic Resources to Support Fruit Fly Exclusion and Eradication Phase 3  
AGRICULTURE, DEPT-AGRI RSCH SVC-FED

120,880

8/1/22-7/31/23

Genomic approaches to fruit fly exclusion and pathway analysis (Year 1-3)

AGRICULTURE, DEPT-AGRI RSCH SVC-FED

\$280,543.00 + \$304,266.00 + \$303,000.00

9/1/15-9/30/20

Conservation Status of the El Segundo Blue Using a Genomics Approach

INTERIOR, DEPT-FISH & WILDLIFE SVC

\$60,000.00

5/11/16-5/14/19

additional funding: \$63,357.00

continued until:6/29/22

The Systematics, Taxonomy and Ecology of Native Hawaiian Bark Beetles (Xyleborus Scolytinae)

AGRICULTURE, DEPT-HI

\$190,300.00

8/1/19-5/31/22

Genomics of Casey's June Beetle

Dudek and Associates

\$20,993.00

2/2/17-2/1/19

Continuation: \$4,319.00

2/2/17- 12/31/21

*Manduca Blackburni* Population Assessment and Population Genetics

LAND & NATURAL RES, DPT-FORST (DLNR)

\$46,739.00

1/16/17-1/13/18

Molecular ID of *Bactrocera* Interceptions and Domestic Captures

Agriculture, Dept - Animal and Plant Health Inspection Service

\$198,000.00

9/30/16-9/29/18

\$242,205.00

9/30/22-9/29/2023

Confirming Molecular Methods for Fruit Fly Identification

Agriculture, Dept - Animal and Plant Health Inspection Service

\$260,000.00

9/30/17-9/29/18

Assessing the Conservation Status of the El Segundo Blue (*Euphilotes battoides allyni*) Using Genomics

INTERIOR, DEPT-FISH & WILDLIFE SVC

\$76,000.00

6/29/17-9/30/20

Genomics of the Bog Buckmoth

INTERIOR, DEPT-FISH & WILDLIFE SVC

\$10,000.00

5/2/18-6/30/19

HI1818FB Resolving *Bactrocera* Spec Complexes V

Agriculture, Dept - Animal and Plant Health Inspection Service

\$205,765.00

9/30/18-9/29/19

Year 2: 10/1/19-9/29/20 \$276,761.00

Year 3: 9/1/20-1/27/22 \$208,029.00

\$255,334.00 expires 9/29/21

ID of *Bactrocera* Larvae

Agriculture, Dept - Animal and Plant Health Inspection Service

\$61,940.00

9/1/18-11/30/20

\$107,415

9/30/21-9/29/22

242,205

9/30/22-9/29/23

242,322

9/30/23-9/29/24

Collaborative Research: Digitization TCN: Digitizing Collections to Trace Parasite-Host Associations and Predict the Spread of Vector-Borne Disease

NATIONAL SCIENCE FOUNDATION

\$44,660.00

9/1/19-8/31/23

Budget and Proposal for DNA Sequencing of *Hyposmocoma* Moths from Kahikinui, Maui  
LAND & NATURAL RES, DPT-FORST (DLNR)  
\$2,503.18  
2/1/20-1/31/21

Diagnostic Tools to Identify Exotic Tortricid moths  
Agriculture, Dept - Animal and Plant Health Inspection Service  
\$109,465.00  
9/1/20-8/31/21  
\$105,882  
9/1/21-8/31/23  
110,540  
9/1/22-8/31/23

Expanding Coverage for complexes of *Bactrocera* Fruit Fly Pests  
Agriculture, Dept - Animal and Plant Health Inspection Service  
\$176,962  
9/30/21-9/29/23

Integrative identification Methods for *Bactrocera* Fruit Fly Pests  
210,046  
9/30/22-9/29/23

Molecular diagnostics for Mango Fruit fly complex  
Agriculture, Dept - Animal and Plant Health Inspection Service  
154,198  
9/30/22-9/29/23  
\$211,333  
9/30/23-9/29/24

Postharvest treatments  
Agriculture, Dept - Animal and Plant Health Inspection Service  
140,914  
9/1/2022-12/31/2024

Lepidoptera surveys of Laupahoehoe experimental forest  
LAND & NATURAL RES, DPT-FORST (DLNR)  
\$47,822  
5/15/23-12/31/23

Diagnostic Tools to Identify Exotic Noctuid moths  
Agriculture, Dept - Animal and Plant Health Inspection Service  
\$99,910  
9/30/23-9/29/24

### **Presentations at Conferences**

Title: The pace and patterns of unprecedented ecological novelty in Hawaii's most diverse adaptive radiation (*Hyposmocoma*). D. Rubinoff Invited speaker: Oregon State Department of Integrative Biology Speaker series. Oregon State University, Corvallis Oregon. May 2015 (travel costs covered).



Title: Cryptic diversity in Hawaii's charismatic endemic sphinx moths (*Hyles*). Symposium organizer and speaker. D. Rubinoff Pacific Entomology Conference, Honolulu Hawaii. April 2015.

Title: Conservation Status of two listed butterflies in the Mariana Islands. D. Rubinoff Pacific Branch of the Entomological Society of America meeting (100<sup>th</sup> anniversary). Honolulu, HI. Invited Symposium April 2016.

Title: Evolution of Carnivory in Hawaii's most diverse endemic radiation. Pacific Branch of the Entomological Society of America meeting (100<sup>th</sup> anniversary). D. Rubinoff Invited Symposium (Strategies underlying the Evolution of Herbivory). Honolulu, HI. April 2016.

Title: Phylogenetics of a Hyper-diverse Hawaiian moth radiation yield insight into the timing and tempo of adaptation in speciation. D. Rubinoff International Island Biology Meeting. Invited Symposium Speaker in Invertebrate Evolution. Terciera, Azores, Portugal. July, 2016.

Title: The Systematics, Spatial Ecology and complex Taxonomy of *Bactrocera*. Invited speaker. D. Rubinoff Fruit Fly Diagnostics Meeting. Sacramento, CA February 2016.

Title: Phylogenetics of invasive fruit flies and native Hawaiian carnivorous moths reveal remarkable patterns of evolution and diversification. Invited speaker. D. Rubinoff USDA-ARS Hilo, Hawaii. June 2016.

Title: Phylogenomics of an endemic Hawaiian butterfly reveal complex patterns of divergence and isolation. D. Rubinoff Co-authors William Haines, Sheina Sim, and Scott Geib. International Congress of Entomology and National meeting of the Entomological Society of America , Orlando, Florida. September, 2016.

Title: Remarkable evolution in the carnivorous clades of Hawaiian Fancy Case caterpillars (*Hyposmocoma*: Cosmopterigidae). D. Rubinoff Invited Speakers in Gelechiodea Evolution. Podgora, Croatia. April, 2017.

Title: Sex-Biased secondary contact obscures ancient speciation onto relictual host trees in central California Moths (Syndemis, Tortricidae). D. Rubinoff Symposium honoring Jerry Powell. I was symposium organizer. Lepidopterist's Society National Meeting. Tuscon, AZ, July 2017.

Title: Does a genomic approach reveal genetic diversity suggested by ecological and morphological divergence in a Buckmoth (*Hemileuca maia*)? D. Rubinoff Co-authors Julian Dupuis, Richard Peigler. National meeting of the Entomological Society of America, Denver, Colorado. November, 2017.

Title: Phylogenomics reveals localized, Sporadic and incongruous ecological specialization across *Hemileuca maia* (Saturniidae). D. Rubinoff Co-authors Julian Dupuis, Richard Peigler and Scott Geib. National meeting of the Lepidopterist's Society, Ottawa, Ontario, Canada, July 2018.

Title: What do genomics reveal about the murky origins of Hawaii's most ecologically diverse adaptive radiation, the Fancy Case caterpillars (*Hyposmocoma*: Cosmopterigidae)? D. Rubinoff Invited speaker: American Genetics Association, international meeting. Hawaii Island, July 2018. (all travel and meeting costs covered).

Title: Genomic revelations regarding the origins of Hawaii's most ecologically diverse adaptive radiation, the Fancy case Caterpillars (*Hyposmocoma*: Cosmopterigidae). D. Rubinoff Co-authors, Julian Dupuis and Scott Geib. National meeting of the Entomological Society of America, Vancouver,

Canada, November, 2018.

Title: A brief introduction to the Fancy Case Caterpillars (*Hyposmocoma* : Cosmopterigidae), Hawaii's most diverse radiation (*Hyposmocoma*: Cosmopterigidae. Featured Speaker. Entomological Society of Washington. Remote. February 2021.

Title: From Hopeless to Harbinger: Conservation and invasive species in Hawaii foretell a bleak future for the US Mainland

**Plenary Speaker**, Pacific Branch of the Entomological Society of America. April 2021. I was invited by the organizing committee to be the plenary speaker for the three day conference.

Title: Nonsensical diversity Hyposmocoma is even more diverse than we thought. Pacific Entomology Conference. Honolulu Hawaii, December 2023. **Symposium Organizer, invited colleagues to speak in an all-day symposium, including scientists from UC Berkeley, Cornell University.**

Title: D. Rubinoff, R. Peigler, D. Rubinoff, M. San Jose, R. St Laurent. Genomics reveals surprising patterns of diversity and systematics in the oakworms (Anisota: Saturniidae) Lepidopterist's Society National Meeting. Cornell University July, 2024.

Title: How do some caterpillars become carnivores? D. Rubinoff Co-authors, M. San Jose. C. Doorenweerd. 2024. National meeting of the Entomological Society of America, Phoenix, Arizona November, 2024.