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## César R. Rodríguez-Saona

(he/him/his)

### RESEARCH & EXTENSION STATEMENT

The goal of my *Research Program* is to develop and implement cost-effective, reduced-risk Integrated Pest Management (IPM) practices for blueberries and cranberries. We aim to achieve this through the integration of chemical, behavioral, and biological methods in insect pest control and by gaining a better understanding of the ecology of pests and their natural enemies. My *Extension Program* delivers IPM information to small fruit growers through various methods, including on-farm demonstration trials, presentations, extension courses, webinars, online resources, and extension publications.

Areas of Expertise Integrated Pest Management, Tri-trophic Interactions, Behavioral Control, Biological Control, Insect Chemical Ecology, Insect-Plant Interactions, Host-Plant Resistance.

### PROGRAM BY THE NUMBERS

|  |                    |
|--|--------------------|
| <b>PUBLICATIONS</b> .....                                  | <b>325</b>         |
| PEER-REVIEWED JOURNALS.....                                | 174                |
| BOOK CHAPTERS AND INVITED PUBLICATIONS.....                | 29                 |
| ARTHROPOD MANAGEMENT TESTS (EDITOR-REVIEWED JOURNAL).....  | 48                 |
| NON-REFEREED ARTICLES AND EXTENSION PUBLICATIONS.....      | 74                 |
| <b>PRESENTATIONS</b> .....                                 | <b>507</b>         |
| INVITED TALKS.....   | 131                |
| PROFESSIONAL MEETINGS (SINCE 2006).....                    | 182                |
| EXTENSION TALKS.....                                       | 194                |
| <b>POST-DOCS/VISITING SCHOLARS/STUDENT MENTORING</b> ..... | <b>82</b>          |
| <b>GRANTS</b> .....  | <b>\$9,415,805</b> |
| COMPETITIVE EXTERNAL.....                                  | \$5,920,595        |
| COMPETITIVE INTERNAL.....                                  | \$145,103          |
| NON-COMPETITIVE.....                                       | \$2,033,526        |
| GRANTS-IN-AID AND SERVICE FEES.....                        | \$1,316,581        |

### h-Index (AS OF OCTOBER 2025)

|                |                                     |
|----------------|-------------------------------------|
| WEB OF SCIENCE | 39                                  |
| SCOPUS         | 42                                  |
| GOOGLE SCHOLAR | 51                                  |
| RESEARCH GATE  | 47 (HIGHER THAN 99% OF ALL MEMBERS) |

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### Websites

Personal: <https://sites.rutgers.edu/cesar-rodriguez-saona/>

At Rutgers, Department of Entomology: <https://entomology.rutgers.edu/personnel/cesar-rodriguez-saona.html>

At Rutgers, Marucci Center: <https://pemaruccicenter.rutgers.edu/programs/entomology/>

### EDUCATION

**Ph.D. in Entomology** 1994-1999, University of California, Riverside, U.S.A. Major Advisor: Dr. John T. Trumble (GPA 3.95)

Inside Major: Insect-Plant Interactions / Integrated Pest Management



Inside Minor: Insect Behavior

Outside Minor: Statistics

*Dissertation Title:* "Defensive role of avocado idioblast cells against herbivorous insects and chemistry of the insecticidal constituents"

**M.Sc. in Entomology** 1992-1994, Oregon State University, Oregon, U.S.A. Major Advisor: Dr. Jeffrey C. Miller (GPA 3.76)

Major: Biological Control

Minor: Integrated (Botany & Statistics)

*Thesis Title:* "Improvement of biological control agents: Laboratory selection for fast larval development in the convergent lady beetle, *Hippodamia convergens* Guérin-Ménéville (Coleoptera: Coccinellidae)"

**B.S. in Biology** 1986-1991, Universidad Nacional Agraria, Lima, Perú. Major Advisor: Dr. Inés Redolfi de Huiza

Major: Biology – Animal Science (with emphasis in Entomology)

*Thesis Title:* "*Bemisia tabaci* (Genn.) (Hemiptera: Aleyrodidae) and its parasitoids in sweet potato in the central coast of Perú"

## PROFESSIONAL EXPERIENCE

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**PROFESSOR AND EXTENSION SPECIALIST IN ENTOMOLOGY. 2016-PRESENT.** Department of Entomology. Rutgers University. New Brunswick, NJ. 70% Extension, 30% research.

**ASSOCIATE PROFESSOR AND EXTENSION SPECIALIST IN ENTOMOLOGY. 2011-2016.** Department of Entomology. Rutgers University. New Brunswick, NJ. 70% Extension, 30% research.

**ASSISTANT PROFESSOR AND EXTENSION SPECIALIST IN ENTOMOLOGY. 2005-2011.** Department of Entomology. Rutgers University. New Brunswick, NJ. 70% Extension, 30% research.

**MEMBER OF THE GRADUATE FACULTY IN THE ECOLOGY AND EVOLUTION PROGRAM. 2006-PRESENT.** Department of Ecology, Evolution, and Natural Resources. Rutgers University. New Brunswick, NJ.

**SABBATICAL LEAVE (6 MONTHS, WITH DR. NICOLE VAN DAM). 2014-2015.** German Center for Integrative Biodiversity Research (iDiv). Leipzig, Germany.

- Investigated the effects of belowground herbivory on the distribution of plant defenses aboveground. The project involved glucosinolate (via HPLC) and molecular (RT-PCR) analyses.

**RESEARCH ENTOMOLOGIST (POST-DOC). SUPERVISORS: DRS. THERESE POLAND AND JAMES R. MILLER. 2004-2005.** Department of Entomology. Michigan State University. East Lansing, MI

- Conducted laboratory and field studies on the use of plant volatiles for insect pest control.
- Investigated the effects of plant volatiles on host plant selection by an invasive species, the emerald ash borer, in the laboratory and field. The project required analyses of headspace plant volatiles by gas chromatography (GC), behavioral assays (olfactometer), and electro-antennogram detection (EAG, GC-EAD).

**RESEARCH ENTOMOLOGIST (POST-DOC). SUPERVISOR: DR. JENNIFER THALER. 2001-2004.** Department of Botany. University of Toronto. Toronto, Canada

- Conducted laboratory and field studies on tri-trophic interactions involving plants (i.e., tomatoes), herbivores (i.e., caterpillars and aphids), and the natural enemies of herbivores (i.e., predators and parasitoids).
- Investigated the effects of plant phenotypic variation and multiple herbivory on tri-trophic interactions. The project required collection of field data on arthropod abundance, examination of parasitoid searching behavior, studies on insect performance, and analysis of plant chemistry (proteinase inhibitors, polyphenol oxidases, peroxidases, among others).

**RESEARCH ENTOMOLOGIST (POST-DOC). SUPERVISOR: DR. STEVE CRAFTS-BRANDNER. 1999-2001.** USDA-ARS. WESTERN COTTON RESEARCH LAB., TEMPE, AZ

- Conducted studies to improve current techniques to control cotton and alfalfa pests with the use



of plant volatiles.

- Investigated the specificity of volatile emissions in plants induced by phytohormones and different insect feeding guilds (caterpillars, *Lygus* bugs, and whiteflies) and its effects on herbivore behavior. The project required the use of GC, olfactometers, and analysis of plant chemistry.

**GRADUATE RESEARCH ASSISTANT, 1994–1999.** Department of Entomology, University of California, Riverside, CA

- Tested the effects of plant secondary compounds from specialized avocado oil cells on insect herbivores to determine their potential role in plant protection.
- Employed techniques to isolate plant chemicals and bioassays to test the effects of compounds from specialized avocado oil cells on insect behavior and performance.

**GRADUATE RESEARCH ASSISTANT, 1992–1994.** Department of Entomology, Oregon State University, Corvallis, OR

- Investigated whether the efficiency of a predatory insect as a biological control agent can be improved through the selection of specific developmental traits.

PUBLICATIONS IN PEER-REVIEWED JOURNALS (underline indicates undergraduate student/graduate student/post-doc author/co-author; IF = Impact Factor) (TOTAL = 174)

## 2025

1. Quadrel, A., Ferguson, B., Rering, C.C., Urbaneja-Bernat, P., and **Rodriguez-Saona, C.** 2025. Two volatiles from anthracnose-infected blueberries trigger electrophysiological and aversive behavioral responses in *Drosophila suzukii*. *Journal of Economic Entomology*. Special Collection on “De-coding the Role of Insect Communication in Sustainable Agriculture”. doi: 10.1093/jee/toaf032. (IF = 2.2)
2. Rossetti, M.R., Kuzmanich, N., Videla, M., Ben-Zvi, Y., and **Rodriguez-Saona, C.** 2025. Meta-analysis of the effects of methyl salicylate on arthropod behavior: implications for biological control. *Entomologia Generalis* 45: 369–380. doi: 10.1127/entomologia/2025/3051. (IF = 6.9)
3. Rossi-Stacconi, M.V., Abram, P., Anfora, G., Beers, E., Biondi, A., Borowiec, N., Carrillo, J., Collatz, J., Colmagro, A., Crossman Johnson, B., Daane, K., Dal Zotto, G., Döbeli, H., Fanning, P., Fellin, L., Gariepy, T., Giorgini, M., Grassi, A., Guerrieri, E., Herz, A., Isaacs, R., Lee, J., Lisi, F., Loeb, G.M., Lupi, D., Martin, J., Masetti, A., Moffat, Ch., Mori, N., Park, K.R., Prade, P., Puppato, S., **Rodriguez-Saona, C.**, Schmidt, S., Seehausen, L., Sial, A.A., Tavella, L., Tortorici, F., Urbaneja-Bernat, P., Van Timmeren, S., Walton, V.M., Wang, G., and Wang, X. 2025. Adventively established *Leptopilina japonica*: a new opportunity for augmentative biocontrol of *Drosophila suzukii*. *Journal of Pest Science*. doi: 10.1007/s10340-025-01907-0. (IF = 4.3)
4. Urbaneja-Bernat, P., Salazar-Mendoza, P., Tena, A., González-Cabrera, J., and **Rodriguez-Saona, C.** 2025. Plant domestication alters the nutritional content of guttation droplets with multitrophic consequences. *Journal of Chemical Ecology* 51, 51. doi: 10.1007/s10886-025-01602-5. Special Collection on “Exploring the impact of plant domestication on chemically mediated trophic interactions”. **FEATURED ON THE COVER OF THE JOURNAL (IF = 2.2)**
5. **Rodriguez-Saona, C.**, Salazar-Mendoza, P., Holdcraft, R., and Polashock, J. 2025. Phytoplasma infection renders cranberries more susceptible to above- and belowground insect herbivores. *Insect Science* 32: 957–972. doi: 10.1111/1744-7917.13444. (IF = 2.9)
6. Ben-Zvi, Y. and **Rodriguez-Saona, C.** 2025. Plant domestication affects the oviposition behavior and performance of *Ganaspis kimorum*, a parasitoid of *Drosophila suzukii*. *Entomologia Experimentalis et Applicata*. doi: 10.1111/eea.70009. (IF = 1.7)
7. Xie, D., Ismoilov, K., Hu, S., Wang, Q., Ricupero, M., Biondi, A., Wang, M., Chen, Z., **Rodriguez-Saona, C.**, Desneux, N., and Han, P. 2025. Performance-Economy-Environment multi-criteria assessment on an IPM package involving fertilization manipulation and biological pest control: a semi-field case study on tomato. *Entomologia Generalis*. doi: 10.1127/entomologia/3182. (IF = 5.6)





8. Ben-Zvi, Y., Bass, T., and **Rodriguez-Saona, C.** 2025. The floral volatile methyl salicylate influences pollinators and pollination at multiple spatial scales. *Agriculture, Ecosystems & Environment* 396, 110019. doi: 10.1016/j.agee.2025.110019. (IF = 6.4)
9. Ferguson, B., Babu, A., Aflitto, N., Beale, D., Beers, E., Fanning, F., Isaacs, R., Johnson, B., Loeb, G., Mermet, S., Sial, A., Van Timmeren, S., Walton, V., and **Rodriguez-Saona, C.** 2025. Field evaluation of a phagostimulant for enhancing insecticide efficacy against spotted-wing drosophila (Diptera: Drosophilidae) across multiple berry crops and regions. *Journal of Economic Entomology*. doi: 10.1093/jee/toaf281. (IF = 2.4)
10. Liu, H., Polashock, J., Han, P., and **Rodriguez-Saona, C.** 2025. Nutrient inputs and phytoplasma infection shape plant-herbivore interactions in cranberry. *Entomologia Generalis*. In Press. (IF = 5.6)

## 2024

11. Gale, C.C., Ferguson, B., **Rodriguez-Saona, C.**, Shields, V.D.C., and Zhang, A. 2024. Evaluation of a push–pull strategy for spotted-wing drosophila management in highbush blueberry. *Insects* 15, 47. doi: 10.3390/insects15010047. (IF = 3.0)
12. Han, P., **Rodriguez-Saona, C.**, Zalucki, M.P., Liu, S., and Desneux, N. 2024. A theoretical framework to improve the adoption of green Integrated Pest Management tactics. *Communications Biology* 7, 337. doi: 10.1038/s42003-024-06027-6. (IF = 5.9)
13. Quadrel, A., Urbaneja-Bernat, P., Holdcraft, R., and **Rodriguez-Saona, C.** 2024. Elicitors of plant defenses as a standalone tactic failed to provide sufficient protection to fruits against spotted-wing drosophila. *Frontiers in Agronomy* 6:1381342, section *Pest Management*. Research Topic on “Latest Research Advances in Biology, Ecology, and Integrated Pest Management of Invasive Insects”. doi: 10.3389/fagro.2024.1381342. (IF = 3.5)
14. Braghini, A., de Oliveira Lima, V., Dami, B.G., Rodrigues Souza, J.M., Barbosa, E. P., Figueiredo, G.P., da Silva Paula, W.B., **Rodriguez-Saona, C.**, and Vacari, A.M. 2024. Testing the effects of prey type on the life history and population-level parameters of *Chrysoperla externa* (Neuroptera: Chrysopidae). *Insects* 15, 330. doi: 10.3390/insects15050330. (IF = 3.0)
15. Garipey, T.D., Abram, P.K., Adams, C., Beal, D., Beers, E., Beetle, J., Biddinger, D., Brind’Amour, G., Bruin, A., Buffington, M., Burrack, H., Daane, K., Demchak, K., Fanning, P., Gillett, A., Hamby, K., Hogg, B., Hoelmer, K., Isaacs, R., Johnson, B., Lee, J., Levensen, H., Loeb, G., Lovero, A., Milnes, J., Park, K., Prade, P., Renkema, J., **Rodriguez-Saona, C.**, Sial, A., Smythman, P., Stout, A., Van Timmeren, S., Walton, V., Wilson, J., and Wang, X. 2024. Widespread establishment of adventive populations of *Leptopilina japonica* (Hymenoptera, Figitidae) in North America and development of a multiplex PCR assay to identify key parasitoids of *Drosophila suzukii* (Diptera, Drosophilidae). *NeoBiota* 93: 63–90. doi: 10.3897/neobiota.93.121219. (IF = 5.1)
16. Wang, M., Ismoilov, K., Liu, W., Bai, M., Bai, X., Chen, B., Chen, H., Chen, H., Dong, Y., Fang, K., Gui, F., Huang, G., Jiang, C., Jiang, H., Li, X., Luo, C., Luo, C., Lu, Z., Lu, Y., Ma, D., Pu, D., Qu, Y., Sang, W., Song, L., Sun, X., Sun, Y., Wan, B., Wang, X., Yang, W., Yang, X., Yao, F., Ye, Z., Zhang, L., Zhang, X., Zhang, Y., Zhao, C., Zhou, Q., Zhou, W., Zhu, W., **Rodriguez-Saona, C.**, Biondi, A., Jaworski, C.C., Zhang, Y., Desneux, N., and Han, P. 2024. *Tuta absoluta* management in China: progress and prospects. *Entomologia Generalis* 44: 269–278. Special Issue on “Special issue: Research toward enhancing integrated management of *Tuta absoluta*.” doi: 10.1127/entomologia/2024/2362. (IF = 6.9)
17. Ismoilov, K., Wang, M., Li, H., Liu, H., **Rodriguez-Saona, C.**, Lu, Z., Desneux, N., and Han, P. 2024. The opportunistic cannibalism of the South American tomato pinworm *Tuta absoluta* (Meyrick) (Lepidoptera: Gelechiidae). *Entomologia Generalis* 44: 473–476. Special Issue on “Special issue: Research toward enhancing integrated management of *Tuta absoluta*.” doi: 10.1127/entomologia/2024/2361. (IF = 6.9)
18. Urbaneja-Bernat, P., **Rodriguez-Saona, C.**, Valero, M.L., González-Cabrera, J., and Tena, A. 2024. Not just candy: Herbivore-induced defense-related plant proteins in honeydew enhance natural enemy fitness. *Functional Ecology* 38: 1822–1834. doi: 10.1111/1365-2435.14605. (IF = 6.28)
19. Wang, M., **Rodriguez-Saona, C.**, Lavoie, A., Ninkovic, V., Shiojiri, K., Takabayashi, J., Furlong, M.J., and Han, P. 2024. Leveraging air-borne VOC-mediated plant defense priming to optimize Integrated Pest Management. *Journal of Pest Science* 97: 1245–1257. doi: 10.1007/s10340-024-01803-z. (IF = 5.742)
20. Salazar-Mendoza, P., Miyagusuku-Cruzado, G., Giusti, M.M., and **Rodriguez-Saona, C.** 2024. Genotypic variation and potential mechanisms of resistance against multiple insect herbivores in



cranberries. *Journal of Chemical Ecology* 50: 751–766. Special Collection on “Exploring the impact of plant domestication on chemically mediated trophic interactions.” doi: 10.1007/s10886-024-01522-w. (IF = 2.3)

21. Ben-Zvi, Y. and **Rodriguez-Saona, C.** 2024. *Sparganothis sulfureana* (Lepidoptera: Tortricidae) egg surface characteristics stimulate parasitism by *Ascogaster mimetica* (Hymenoptera: Braconidae). *Journal of Insect Science* (Short Communication) 24(4): 23; 1–4. doi: 10.1093/jisesa/ieae092. (IF = 2.2)
22. Shope, J., Salazar-Mendoza, P., Ben-Zvi, Y., and **Rodriguez-Saona, C.** 2024. Refining degree-day models for *Sparganothis fruitworm* in cranberry by biofix and variety. *Horticulturae* 10, 1346. Special Issue on “Pest Diagnosis and Control Strategies for Fruit and Vegetable Plants.” doi: 10.3390/horticulturae10121346. (IF = 3.1)

## 2023

23. Salazar-Mendoza, P., Bento, J.M.S., Silva, D.B., Pascholati, S.F., Han, P., and **Rodriguez-Saona, C.** 2023. Bottom-up effects of fertilization and jasmonate-induced resistance independently affect the interactions between tomato plants and an insect herbivore. *Journal of Plant Interactions* 18:1. doi: 10.1080/17429145.2022.2154864. (IF = 4.029)
24. Ben-Zvi, Y. and **Rodriguez-Saona, C.** 2023. Advances in cranberry insect pest management: a literature synthesis. *Frontiers in Agronomy* 5:1006106, section *Pest Management*. Research Topic on “Integrated Pest Management Strategies for Sustainable Food Production”. doi: 10.3389/fagro.2023.1006106. (IF = 3.5)
25. Shope, J., Polk, D., Mansue, C., and **Rodriguez-Saona, C.** 2023. The contrasting role of climate variation on the population dynamics of a native and an invasive insect pest. *PLoS ONE* 18(4):e0284600. doi: 10.1371/journal.pone.0284600. (IF = 3.24)
26. Dami, B.G., Dos Santos, J.A., Barbosa, E.P., **Rodriguez-Saona, C.**, and Vacari, A.M. 2023. Functional response of 3 green lacewing species (Neuroptera: Chrysopidae) to *Leucoptera coffeella* (Lepidoptera: Lyonetiidae). *Journal of Insect Science* 23(3): 15; 1–8. doi: 10.1093/jisesa/iead038. (IF = 2.066)
27. Caitlin, R., Quadrel, A., Urbaneja-Bernat, P., Beck, J.J., Ben-Zvi, Y., Khodadadi, F., Acimović, S.G., and **Rodriguez-Saona, C.** 2023. Blueberries infected with the fungal pathogen *Colletotrichum fioriniae* release odors that repel *Drosophila suzukii*. *Pest Management Science* 79(12): 4906–4920. doi: 10.1002/ps.7692. (IF = 4.1)
28. Urbaneja-Bernat, P., Tena, A., González-Cabrera, J., and **Rodriguez-Saona, C.** 2023. An insect's energy bar: the potential role of plant guttation on biological control. *Current Opinion in Insect Science* 61:101140. doi: 10.1016/j.cois.2023.101140 (IF = 5.3)
29. Babu, A., Rhodes, E.M., **Rodriguez-Saona, C.**, Liburd, O.E., and Sial, A.A. 2023. Comparison of multimodal attract-and-kill formulations for managing *Drosophila suzukii*: behavioral and lethal effects. *PLoS ONE* 18(12): e0293587. doi: 10.1371/journal.pone.0293587. (IF = 3.24)

## 2022

30. Han, P., Lavoie, A., **Rodriguez-Saona, C.**, and Desneux, N. 2022. Bottom-up forces in agroecosystems and their potential impact on arthropod pest management. *Annual Review of Entomology* 67: 239–259. doi: 10.1146/annurev-ento-060121-060505. (IF = 19.686)
31. Nixon, L.J., Cloonan, K., Rugh, A., Jones, S., Evans, B., Rice, K., Kirkpatrick, D., Short, B., **Rodriguez-Saona, C.**, and Leskey, T.C. 2022. Factors affecting the efficacy of attracticidal spheres for management of *Drosophila suzukii* (Diptera Drosophilidae). *Journal of Applied Entomology* 146: 243–251. doi: 10.1111/jen.12961. (IF = 2.603)
32. Sousa, A.L., **Rodriguez-Saona, C.**, Holdcraft, R., Kyryczenko-Roth, V., and Koppenhöfer, A.M. 2022. Entomopathogenic nematodes for the management of plum curculio in highbush blueberry. *Biology* 11, 45. Special Issue on “Biological Control in Agroecosystems”. doi: 10.3390/biology11010045. (IF = 5.079)
33. Babu, A., **Rodriguez-Saona, C.**, and Sial, A.A. 2022. Factors influencing the efficacy of novel attract and kill (ACTTRA SWD) formulations against *Drosophila suzukii*. *Journal of Economic Entomology* 115: 981–989. Special Collection on “Research Advances in Spotted-Wing *Drosophila* Management”. doi: 10.1093/jeet/toab273. (IF = 2.381)



34. Isaacs, R., Van Timmeren, S., Gress, B., Zalom, F., Ganjisaffar, F., Hamby, K., Lewis, M., Liburd, O., Sarkar, N., **Rodriguez-Saona, C.**, Holdcraft, R., Burrack, H., Drummond, F., Spaulding, N., Lanka, S., and Sial, A. 2022. Monitoring of *Drosophila suzukii* resistance status using a RAPID method for assessing insecticide sensitivity across the United States. *Journal of Economic Entomology*. 115: 1046–1053. Special Collection on “Research Advances in Spotted-Wing *Drosophila* Management”. doi: 10.1093/jeet/toac021. (IF = 2.381)
35. Babu, A., **Rodriguez-Saona, C.**, and Sial, A.A. 2022. Comparative adult mortality and relative attractiveness of spotted-wing drosophila (Diptera: Drosophilidae) to novel attract-and-kill (ACTTRA SWD) formulations mixed with different insecticides. *Frontiers in Ecology and Evolution* 10:846169, section *Chemical Ecology*. Research Topic on “Research Advances on *Drosophila suzukii*”. doi: 10.3389/fevo.2022.846169. (IF = 4.171)
36. Lampasona, T., Nielsen, A., and **Rodriguez-Saona, C.** 2022. Novel hosts can incur fitness costs to a frugivorous insect pest. *Ecology and Evolution* 12, e8841. doi: 10.1002/ece3.8841. (IF = 2.912)
37. Schwanitz, T.W., Polashock, J., Stockton, D.G., **Rodriguez-Saona, C.**, Sotomayor, D., Loeb, G., and C. Hawkings. 2022. Molecular and behavioral studies reveal differences in olfaction between winter and summer morphs of *Drosophila suzukii*. *PeerJ* 10:e13825. doi: 10.7717/peerj.13825. (IF = 2.98)
38. Urbaneja-Bernat, P., Holdcraft, R., Hernández-Cumplido, J., Rhodes, E.M., Liburd, O.E., Sial, A.A., Mafrá-Neto, A., and **Rodriguez-Saona, C.** 2022. Field, semi-field, and greenhouse testing of HOOK-SWD, a SPLAT-based attract-and-kill formulation to manage spotted-wing drosophila. *Journal of Applied Entomology* 146: 1230–1242. doi: 10.1111/jen.13073. (IF = 2.603)
39. Panthi, B., Cloonan, K.R., **Rodriguez-Saona, C.**, Short, B.D., Kirkpatrick, D.M., Loeb, G.M., Aflitto, N.C., Wiman, N., Andrews, H., Drummond, F.A., Fanning, P.D., Ballman, E., Johnson, B., Beal, D.J., Beers, E.H., Burrack, H.J., Isaacs, R., Perkins, J., Liburd, O.E., Lambert, A.R., Walton, V.M., Harris, E.T., Mermer, S., Polk, D., Wallingford, A.K., and Sial, A.A. 2022. Using red panel traps to detect spotted-wing drosophila and its infestation in US berry and cherry crops. *Journal of Economic Entomology* 115: 1995–2003. doi: 10.1093/jeet/toac134. (IF = 2.381)
40. Kim, H., **Rodriguez-Saona, C.**, and Lee H-S. 2022. Population genetics of the blueberry gall midge, *Dasineura oxycoccana* (Diptera: Cecidomyiidae), on blueberry and cranberry and testing invasion scenarios. *Insects* 13, 880. doi: 10.3390/insects13100880. (IF = 3.139)

## 2021

41. Drummond, F.A., Collins, J.A., **Rodriguez-Saona, C.**, and Zhang, A. 2021. Use of forested field edges by a blueberry insect pest, *Rhagoletis mendax* (Diptera: Tephritidae). *Agricultural and Forest Entomology* 23: 189–202. doi: 10.1111/afe.12421. (IF = 2.509)
42. Conti, E., Avila, G., Barratt, B., Cingolani, F., Colazza, S., Guarino, S., Hoelmer, K., Laumann, R.A., Maistrello, L., Martel, G., Peri, E., **Rodriguez-Saona, C.**, Rondoni, G., Rostas, M., Roversi, P., Sforza, R., Tavella, L., and Wajnberg, E. 2021. Biological control of invasive stink bugs: global state and future perspectives *Entomologia Experimentalis et Applicata* 169: 28–51. Special Issue on “6<sup>th</sup> International Entomophagous Insect Conference”. doi: 10.1111/eea.12967. (IF = 2.250)
43. Hernández-Cumplido, J.†, **Rodriguez-Saona, C.†**, Ruíz-Rodríguez, C.E., Fefer, P.G., Zúñiga-Ruiz, B., Aguirre-Paleo, S., Miranda Trejo, S., Llanos Romero, E., and Callejas Chavero, A. 2021. †These authors share first authorship. Genotypic variation in plant traits, chemical defenses, and resistance against insect herbivores in avocado (*Persea americana*) across a domestication gradient. *Frontiers in Agronomy, Section Pest Management* 2:616553. Research Topic on “Advances in Crop Resistance for Insect Pest Control”. doi: 10.3389/fagro.2020.616553. (IF = 3.5)
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#### NON-REFEREED ARTICLES AND EXTENSION PUBLICATIONS (TOTAL = 74)

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- Besancon, T. (Editor), P. Oudemans, G. Pavlis, D. Polk, and C. Rodriguez-Saona. 2024 (Updated biennially). 2024 Commercial blueberry pest control recommendations for New Jersey. Cooperative Extension Bulletin E265. Rutgers New Jersey Agricultural Experiment Station.
- Besancon, T. (Editor), P. Oudemans, and C. Rodriguez-Saona. 2024 (Updated biennially). 2024 Commercial cranberry pest control recommendations for New Jersey. Cooperative Extension Bulletin. Rutgers New Jersey Agricultural Experiment Station.
- Rodriguez-Saona, C., Nielsen, A., and Spies, J. 2025. Spotted wing drosophila: A key pest of small fruits in New Jersey. Updated. Fact Sheet FS1246. Rutgers Cooperative Extension.
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- Szendrei, Z., and C. Rodriguez-Saona. 2009. Cranberry Fruitworm: A Pest of Blueberries in New Jersey. Fact Sheet FS1114. Rutgers Cooperative Extension.
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*Proceedings, Scientific Reports, and Others (Total = 57)*

- Rodriguez-Saona, C. and Ferguson, B. 2025. Update on spotted-wing Drosophila research and management. Proceedings of the Atlantic Coast Agricultural Convention and Trade Show. Atlantic City, New Jersey.
- Rodriguez-Saona, C., Collins, J., and Leavitt-Shaffer, M. 2025. Infestation and parasitism rates of spotted-wing drosophila in non-crop hosts: Implications for management. Proceedings of the Atlantic Coast Agricultural Convention and Trade Show. Atlantic City, New Jersey.
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- Rodriguez-Saona, C. 2024. Beetles, aphids, and flies in blueberries. Proceedings of the New England Vegetable and Fruit Conference. Manchester, New Hampshire.
- Rodriguez-Saona, C. 2024. Novel behavior-based strategies for SWD. Proceedings of the New England Vegetable and Fruit Conference. Manchester, New Hampshire.
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- Rodriguez-Saona, C., Holdcraft, R., Ferguson, B., and Axtell, A. 2024. SWD management: Adjuvants, biocontrols, repellents, and insecticides. Proceedings of the Atlantic Coast Agricultural Convention and Trade Show. Atlantic City, New Jersey.
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- Rodriguez-Saona, C., Prade, P., Hamby, K., Biddinger, D., Regan, K., and Demchak, K. 2023. Efforts to establish a natural enemy of spotted-wing drosophila in the Mid-Atlantic and beyond. Proceedings of the Mid-Atlantic Fruit & Vegetable Convention. Hershey, Pennsylvania.
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- Rodriguez-Saona, C. and P. Urbaneja-Bernat. 2021. Searching for novel repellents to manage spotted-wing drosophila. Proceedings of the Atlantic Coast Agricultural Convention and Trade Show. Virtual meeting.
- Rodriguez-Saona, C. 2021. A decade after spotted-wing drosophila invasion in the USA: Lessons learned. Proceedings of the Atlantic Coast Agricultural Convention and Trade Show. Virtual meeting.
- Rodriguez-Saona, C., R. Holdcraft, and A. Mafra-Neto. 2020. Efficacy of an attract-and-kill formulation to manage to oriental beetle in highbush blueberries. Proceedings of the 96<sup>th</sup> Annual Cumberland-Shenandoah Fruit Workers Conference. Virtual meeting.



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- Rodriguez-Saona, C. and P. Urbaneja-Bernat. 2020. Behavior-based control tactics for spotted wing drosophila. Proceedings of the Mid-Atlantic Fruit & Vegetable Convention. Hershey, Pennsylvania.
- Rodriguez-Saona, C., D. Polk, and K. Cloonan. 2019. Using red sticky traps for spotted wing drosophila. Proceedings of the Atlantic Coast Agricultural Convention and Trade Show. Atlantic City, New Jersey.
- Rodriguez-Saona, C., C. Michel, and N. Firbas. 2019. Efficacy of traps for monitoring spotted wing drosophila. Proceedings of the Atlantic Coast Agricultural Convention and Trade Show. Atlantic City, New Jersey.
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- Rodriguez-Saona, C. and K. Cloonan. 2018. Progress towards spotted wing drosophila management in blueberries. Proceedings of the Atlantic Coast Agricultural Convention and Trade Show. Atlantic City, New Jersey.
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- Rodriguez-Saona, C. 2014. Spotted wing drosophila – Little fly, big problem! Proceedings of the Atlantic Coast Agricultural Convention and Trade Show. Atlantic City, New Jersey.
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- Rodriguez-Saona, C. 2014. Integrated management of insect pests in blueberries. Proceedings of the Mid-Atlantic Fruit & Vegetable Convention. Hershey, Pennsylvania.
- Rodriguez-Saona, C. and R. Holdcraft. 2013. Managing spotted wing drosophila in blueberries. Proceedings of the 89<sup>th</sup> Annual Cumberland-Shenandoah Fruit Workers Conference, Winchester, Virginia.
- Rodriguez-Saona, C. 2013. Spotted wing drosophila- An update. Proceedings of the 58<sup>th</sup> New Jersey Agricultural Convention and Trade Show. Atlantic City, New Jersey.
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- Rodriguez-Saona, C. 2011. Plum curculio management in blueberries: New solutions for an old problem. Proceedings of the Mid-Atlantic Fruit & Vegetable Convention. Hershey, Pennsylvania.
- Rodriguez-Saona, C. 2010. Intrepid® use in cranberry. Wisconsin Cranberry School, 2009 Proceedings. Volume 17.
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- Rodriguez-Saona, C., D. Polk, and V. Kyryczenko-Roth. 2009. Within-plant and within-field distribution of blueberry thrips. Proceedings of the 54<sup>th</sup> New Jersey Annual Vegetable Growers Meeting. Atlantic City, New Jersey.
- Rodriguez-Saona, C., and D. Polk. 2008. Oriental beetle mating disruption: From Research to Commercialization. Proceedings of the 84<sup>th</sup> Annual Cumberland-Shenandoah Fruit Workers Conference, Winchester, Virginia.
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- Rodriguez-Saona, C. 2008. Insect pest management practices for highbush blueberries in the Northeast U.S. Pennsylvania Vegetable Growers News.
- Rodriguez-Saona, C., D. Polk, and R. Holdcraft. 2008. Update on Oriental beetle mating disruption in blueberries. Proceedings of the 53<sup>rd</sup> New Jersey Annual Vegetable Growers Meeting. Atlantic City, New Jersey.
- Rodriguez-Saona, C. 2007. Evaluation of new reduced-risk pest management strategies in blueberries. Proceedings of the Mid-Atlantic Fruit and Vegetable Convention. Hershey, Pennsylvania.
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- Rodriguez-Saona, C. 2006. Development and implementation of reduced-risk pest management programs for blueberries in New Jersey. Proceedings of the 10<sup>th</sup> North American Blueberry Research and Extension Workers Conference. Tifton, Georgia.
- Rodriguez-Saona, C., Poland, T. M., Miller, J., Stelinski, L., Buchan, L., Grant, G., de Groot, P., and MacDonald, L. 2007. Emerald ash borer responses to induced plant volatiles. In: Gottschalk, Kurt W., ed. Proceedings, 17th U.S. Department of Agriculture interagency research forum on gypsy moth and other invasive species 2006; Gen. Tech. Rep. NRS-P-10. Newtown Square, Pennsylvania: U.S. Department of Agriculture, Forest Service Northern Research Station: 83.
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- Rodriguez-Saona, C. and J. T. Trumble. 1999. Role of avocado idioblast cells in resistance to herbivorous insects. Breeding for Resistance to Insects and Mites. IOBC wprs Bulletin 22 (10): 1-3.

#### Extension Newsletter Articles and Blogs

Since 2005, I have contributed 22 to 23 articles annually to *The Blueberry Bulletin*, published by the Rutgers New Jersey Agricultural Experiment Station (NJAES) Cooperative Extension.



<https://njaes.rutgers.edu/blueberry-bulletin/>

Since 2005, I have written approximately 10 blog posts annually for the *Plant and Pest Advisory*, published by the Rutgers New Jersey Agricultural Experiment Station (NJAES) Cooperative Extension. <https://plant-pest-advisory.rutgers.edu/>

#### INVITED PRESENTATIONS (TOTAL = 131)

- Rodriguez-Saona, C.** 2025. Plant-mediated interactions of insects and pathogens in berry systems. Department of Entomology. Plant-Insect Group Seminars. Pennsylvania State University. State College, Pennsylvania.
- Rodriguez-Saona, C.** and Polashock, J. 2024. A tripartite battle: Uncovering interactions among cranberries, phytoplasmas, and leafhoppers. Entomological Society of America (ESA) annual meeting. Phoenix, Arizona.
- Ferguson, B., Gale, C., Zhang, A., and **Rodriguez-Saona, C.** 2024. Big push-little pull: Repellent effects of methyl benzoate drive reduced spotted-wing infestation in blueberries. Entomological Society of America (ESA) annual meeting. Phoenix, Arizona.
- Fanning, P., Chowdhury, S.M., Jones, A., Prade, P., Beckwith, K., Flanagan, M., Wiggins, G., Levenson, H.K., Wilson, J., **Rodriguez-Saona, C.R.**, Loeb, G.M. 2024. Overwintering of parasitoids of spotted-wing drosophila in the United States. Entomological Society of America (ESA) annual meeting. Phoenix, Arizona.
- Rodriguez-Saona, C.**, Quadrel, A., Rering, C., and Urbaneja-Bernat, P. 2024. Decoding the semiochemically-mediated interactions among an invasive insect pest, a pathogen, and their fruit host. XXVII International Congress of Entomology, Kyoto, Japan.
- Urbaneja-Bernat, P., **Rodriguez-Saona, C.**, Tena, A., González-Cabrera, J., Riudavets, J., and Arnó, J. 2024. Exploring the impact of plant guttation on insect-plant interactions in multiple cropping systems. XXVII International Congress of Entomology, Kyoto, Japan.
- Rodriguez-Saona, C.**, Quadrel, A., Urbaneja-Bernat, P., and Polashock, J. 2024. Can elicitors of defenses enhance resistance in berry crops against insect pests? 39<sup>th</sup> Annual Meeting of the International Society of Chemical Ecology. Prague, Czech Republic.
- Rodriguez-Saona, C.**, Urbaneja-Bernat, P., Tena, A., Gonzales-Cabrera, J., and Salazar-Mendoza, P. 2023. A plant's 'energy snack': Effects of domestication on plant guttation and tritrophic interactions. Section Symposium on "Ecological and Evolutionary Consequences of Plant Domestication on Multitrophic Interactions." Entomological Society of America (ESA) annual meeting. National Harbor, Maryland.
- Rodriguez-Saona, C.**, Quadrel, A., Rering, C., and Urbaneja-Bernat, P. 2023. Behavioral response of the invasive spotted-wing *Drosophila* to anthracnose-infected fruit volatiles. Symposium on "Semiochemicals and their application in pest management". 38<sup>th</sup> Annual Meeting of the International Society of Chemical Ecology. Bengaluru, India.
- Urbaneja Bernat, P., Tena, A., González-Cabrera, J., and **Rodriguez-Saona, C.** 2023. Domestication effects on the nutritional quality of plant guttation and tri-trophic interactions. Symposium on "Consequences of plant domestication on plant metabolites and herbivore-natural enemy interactions". 38<sup>th</sup> Annual Meeting of the International Society of Chemical Ecology. Bengaluru, India.
- Rodriguez-Saona, C.** 2023. Exploring plant-mediated insect/pathogen interactions in berry agroecosystems. Department of Biology. University of Massachusetts. Amherst, Massachusetts.
- Rodriguez-Saona, C.** 2022. Applying chemical ecology to insect pest control. Biology Department. Vassar College. Poughkeepsie, New York.
- Rodriguez-Saona, C.** 2022. Lessons learned from studies on phytoplasma-herbivore interactions in cranberries. Section Symposium on "Masters of Manipulation: Plant-Pathogen-Vector-Symbiont Interactions and Novel Management Techniques." Joint Annual Meeting of the Entomological Society of America (ESA), Entomological Society of Canada (ESC), and the Entomological Society of British Columbia (ESBC). Vancouver, BC, Canada.
- Fanning, P., Johnson, B.C., Prade, P., **Rodriguez-Saona, C.**, and Loeb, G. 2022. Progress towards classical biological control for spotted-wing drosophila in the northeastern United States. Section Symposium on "*Biocontrol of Drosophila suzukii*: Status Updates on Natural Enemies and Ecological Considerations." Joint Annual Meeting of the Entomological Society of America (ESA), Entomological Society of Canada (ESC), and the Entomological Society of British Columbia (ESBC). Vancouver, BC, Canada.



- Rering, C. and **Rodriguez-Saona, C.** 2022. Odors from the fungal pathogen *Colletotrichum fioriniae* repel *Drosophila suzukii*. Section Symposium on “Friends and Foes: New Advances on Plant-Insect-Microbe Interactions.” Joint Annual Meeting of the Entomological Society of America (ESA), Entomological Society of Canada (ESC), and the Entomological Society of British Columbia (ESBC). Vancouver, BC, Canada.
- Rodriguez-Saona, C.** 2022. Exploring chemical ecology to manage spotted-wing drosophila. Department of Entomology. Rutgers University. New Brunswick, New Jersey.
- Rodriguez-Saona, C.,** C. De Moraes, J. Polashock, M. Mescher, and N. Pradit. 2022. Phytoplasma infection influences cranberry interactions with insect herbivores. XXVI International Congress of Entomology. Helsinki, Finland.
- Sial, A., C. Gress. **C. Rodriguez-Saona, C.,** et al. 2022. Status of Insecticide Resistance in *Drosophila suzukii* in the United States. XXVI International Congress of Entomology. Helsinki, Finland.
- Rodriguez-Saona, C.** 2022. Gestión de enemigos naturales en agroecosistemas (Managing natural enemies in agroecosystems). **PLENARY TALK.** Simposio Internacional sobre Biocontrol en Agricultura Comunitat Valenciana. Valencia, Spain.
- Rodriguez-Saona, C.** 2022. Efficacy of new insecticides for control of lepidopteran pests on cranberries. Symposium on “Trials of the Insecticidal Peptide Kind: Recent Experiences with the Newest Neuromuscular Mode of Action, IRAC Group 32, GS-omega/kappa-Hxtx-Hv1a”. Eastern Branch of the Entomological Society of America. Philadelphia, Pennsylvania. (Virtual Presentation).
- Rodriguez-Saona, C.** 2022. Applying chemical ecology to conservation biological control. Department of Entomology. University of California, Riverside. (Virtual Seminar).
- Rodriguez-Saona, C.** 2022. Progress on behavior-based control strategies to manage spotted-wing drosophila. Symposium on “Furthering Small Fruit IPM after a Decade-Long Battle with Spotted-Wing Drosophila”. 10<sup>th</sup> International IPM Symposium. Denver, Colorado.
- Walton, V., Tait, G., Chave, R., Mermer, S., Harris, E., Adams, C., Klick, J., Castillo, C., Corradi, M., Gardens, B., Grassi, A., Rossi-Stacconi, M.V., Ganjisaffer, F., Zalom, F., Loeb, G., Aflitto, N., **Rodriguez-Saona, C.,** Sial, A., Fanning, P., Isaacs, R. and Van Timmerin, S. 2022. Open-field observations and implementation of an Attract-and Kill strategy against *Drosophila suzukii*. Symposium on “Furthering Small Fruit IPM after a Decade-Long Battle with Spotted-Wing Drosophila”. 10<sup>th</sup> International IPM Symposium. Denver, Colorado.
- Sial, A., Roubos, C., Walton, V., **Rodriguez-Saona, C.,** Isaacs, R., Hamby, K., Rogers, M., Liburd, O., Johnson, D., Zalom, F., Daane, K., Burrack, H., Lee, J., and Fanning, P. 2022. Strategies to manage spotted-wing drosophila in organic systems. Symposium on “Furthering Small Fruit IPM after a Decade-Long Battle with Spotted-Wing Drosophila”. 10<sup>th</sup> International IPM Symposium. Denver, Colorado.
- Rodriguez-Saona, C.** 2021. Behavioral control tools for spotted-wing drosophila management. WERA 1021: Spotted Wing Drosophila Biology, Ecology, and Management Annual Meeting. (Virtual Presentation).
- Rodriguez-Saona, C.** 2021. Keeping extension alive in the times of COVID-19. Program Symposium on “Transforming Teaching in Entomology: Engagement through a Pandemic.” Entomological Society of America Annual Meeting. Denver, Colorado.
- Rodriguez-Saona, C.** 2021. The chemical ecology of an invasive frugivorous pest at multiple spatial scales. Department of Entomology. Texas A&M. College Station, Texas. **INVITED BY THE ENTOMOLOGY GRADUATE STUDENT ORGANIZATION (EGSO).**
- Rodriguez-Saona, C.** 2021. Potential novel sources of repellents/oviposition deterrents for spotted-wing drosophila management. 36<sup>th</sup> Annual Meeting of the International Society of Chemical Ecology. (Virtual Presentation).
- Rodriguez-Saona, C.** 2021. Prospects of manipulating crop-pest-natural enemy interactions in agroecosystems. The Connecticut Agricultural Experiment Station, New Haven, Connecticut. (Virtual Seminar).
- Rodriguez-Saona, C.** 2021. A career long effort to manipulate natural enemies in agroecosystems. Symposium on “PBESA Comstock Winners: Where Are They Now?” Virtual Meeting of the Pacific Branch of the Entomological Society of America.
- Rodriguez-Saona, C.** 2021. A career-long effort to manipulate tritrophic interactions for enhanced biological control. Department of Entomology. Rutgers University. New Brunswick, New Jersey. (Virtual Seminar).



- Rodriguez-Saona, C.** 2021. Advances in NE blueberry systems. Symposium on “Sustainable Insect Management in Fruit Cropping Systems”. Virtual Meeting of the Eastern Branch of the Entomological Society of America.
- Rodriguez-Saona, C.** 2021. Diversity & inclusion in entomology. Undergraduate Entomology Club. Department of Entomology. Rutgers University. New Brunswick, New Jersey. (Virtual Seminar).
- Rodriguez-Saona, C.** 2021. Tripartite interactions among cranberries, a phytoplasma, and insect herbivores: Who are the winners? Symposium on “Science with Practice: Insect Chemical Ecology Research in the Northeast”. Virtual Meeting of the Eastern Branch of the Entomological Society of America.
- Urbaneja-Bernat, P., Waller, T., and **Rodriguez-Saona, C.** 2021. Novel sources of spotted-wing drosophila repellents from plant pathogens. Symposium on “Research Advances in Invasive Pests by Early-Career Scientists”. Virtual Meeting of the Eastern Branch of the Entomological Society of America.
- Rodriguez-Saona, C.** 2021. An overview of SWD in New Jersey, USA, from a chemical ecology point of view. 2<sup>nd</sup> British Columbia SWD Working Group Meeting, Vancouver. (Virtual Presentation).
- Rodriguez-Saona, C.** 2020. Applying chemical ecology to enhance biological control in agroecosystems. Department of Entomology. Cornell University, Ithaca, New York. (Virtual Presentation).
- Rodriguez-Saona, C.** 2020. El impacto de una plaga invasora en el MIP: El caso de la *Drosophila* de alas manchadas (The impact of an invasive pest on IPM: The case of spotted-wing drosophila). **PLENARY TALK.** II Congreso Internacional de ciencias agrarias y ambientales en el marco de la sostenibilidad. (Virtual Presentation).
- Rodriguez-Saona, C.** 2020. Aplicando la teoría de las interacciones tritróficas para el mejoramiento del control biológico de plagas (Applying the theory on tritrophic interactions to improve biological control of pests). Symposium on “Interacciones tritróficas, novedades y perspectivas” (Tritrophic interactions, novelties and perspectives). 47<sup>th</sup> Congreso de la Sociedad Colombiana de Entomología SOCOLEN virtual. (Virtual Presentation).
- Rodriguez-Saona, C.** 2019. Domestication consequences on multi-trophic interactions in two native North American crops. Symposium on “Synthesizing Microevolution of Plant Defenses against Insects across Disciplines.” Entomological Society of America Annual Meeting. St. Louis, Missouri.
- Hannah B., A. Sial, R. Isaacs, F. Zalom, B. Gress, P. Fanning, S. Van Timmeren, N. Spaulding, J. Disi, O. Liburd, F.A. Drummond, K. Hamby, **C. Rodriguez-Saona**, and L. Diepenbrock. 2019. SCRI update: Developing and implementing sustainable strategies to manage spotted-wing drosophila in United States fruit crops. Organized Meeting: WERA 1021: An Update on Biological Control Research against Spotted-Wing *Drosophila* (*Drosophila suzukii*). Entomological Society of America Annual Meeting. St. Louis, Missouri.
- Rodriguez-Saona, C.,** Urbaneja-Bernat, P., Salazar-Mendoza, P., Cloonan, K., and Zhang, A. 2019. Scents from the wild: The vinegar fly *Drosophila suzukii* prefers volatiles from wild than cultivated blueberries. **KEYNOTE LECTURE.** The 10<sup>th</sup> Conference of Asia-Pacific Association of Chemical Ecologists (APACE). Hangzhou, China.
- Rodriguez-Saona, C.,** Holdcraft, R., and Mafra-Neto, A. 2019. Applying chemical ecology to manage insect pests of blueberries. The 10<sup>th</sup> Conference of Asia-Pacific Association of Chemical Ecologists (APACE). Hangzhou, China.
- Rodriguez-Saona, C.** 2019. Exploiting plant volatiles to manipulate natural enemy behavior in agroecosystems. Stockbridge School of Agriculture. University of Massachusetts, Amherst, Massachusetts.
- Rodriguez-Saona, C.,** Salamanca, J., and Urbaneja-Bernat, P. 2019. Manipulation of natural enemies via plant volatiles to increase ecosystem function and services. Symposium on “Application and Manipulation of Plant Volatiles for Crop Protection.” **FEATURED TALK.** 35<sup>th</sup> Annual Meeting of the International Society of Chemical Ecology. Atlanta, Georgia.
- Rodriguez-Saona, C.** 2019. The potential consequences of crop domestication on tri-trophic interactions. Department of Entomology. Texas A&M. College Station, Texas.
- Burrack, H., Sial, A., Isaacs, R., **Rodriguez-Saona, C.,** et al. 2018. SCRI Update. Developing and implementing sustainable strategies to manage spotted-wing drosophila in United States fruit crops. Entomological Society of America Annual Meeting. Vancouver, Canada.



- Isaacs, R., Sial, A., Zalon F., **Rodriguez-Saona, C.** et al. 2018. An update on insecticide resistance monitoring for SWD in berry crops. Entomological Society of America Annual Meeting. Vancouver, Canada.
- Sial, A., Isaacs, R., Zalon, F., **Rodriguez-Saona, C.** et al. 2018. Spotted-wing drosophila: an invasive pest that has changed blueberry insect pest management and export considerations. Entomological Society of America Annual Meeting. Vancouver, Canada.
- Rodriguez-Saona, C.**, Sanchez, F., Giusti, M., Zhou, Y., and Benrey, B. 2018. Effects of domestication of blueberries on the invasive vinegar fly *Drosophila suzukii*. Symposium on "Semiochemical application for invasive species." 34<sup>th</sup> Annual Meeting of the International Society of Chemical Ecology. Budapest, Hungary.
- Rodriguez-Saona, C.** and Cloonan, K. 2018. Investigaciones en la ecología química de la drosophila de alas manchadas. 45th Congreso de la Sociedad Colombiana de Entomología (SOCOLEN). Cali, Colombia.
- Rodriguez-Saona, C.**, Vincent, C., and Isaacs, R. 2018. Avances en manejo de plagas en frutales pequeños con énfasis en arándanos. **PLENARY TALK**. 45th Congreso de la Sociedad Colombiana de Entomología (SOCOLEN). Cali, Colombia.
- Rodriguez-Saona, C.** 2018. Volátiles inducidos por herbivoría y su aplicación en el control biológico. Universidad Nacional Abierta y a Distancia (UNAD). Fusagasugá, Colombia.
- de Lange, E., Salamanca, J., and **Rodriguez-Saona, C.** 2018. Beating the bugs in the bogs with natural enemy-attracting volatiles. Symposium on "Discovery, development, regulation and implementation of novel insect pest management strategies in urban and agricultural environments." ESA Pacific Branch Meeting. Reno, Nevada.
- Rodriguez-Saona, C.** 2018. Manipulation of natural enemies with plant volatiles: Is it a good idea? Department of Entomology. University of Wisconsin-Madison. Madison, Wisconsin.
- Rodriguez-Saona, C.** 2018. Manipulation of natural enemies using herbivore-induced plant volatiles in agro-ecosystems. Department of Entomology and Acarology. Universidade de São Paulo, Piracicaba, Brazil.
- Rodriguez-Saona, C.** 2018. Use of herbivore-induced plant volatiles to manipulate natural enemies in agro-ecosystems. Faculty of Philosophy, Sciences and Letters, University of São Paulo, Ribeirão Preto, Brazil.
- Rodriguez-Saona, C.**, Hernández-Cumplido, J., Burrack, H., Drummond, F., Gut, L., Isaacs, R., Loeb, G., Nielsen, A., Syed, Z., Park, K., Walton, V., and Zhang, A. 2017. Testing novel attractants for *Drosophila suzukii*. Entomological Society of America Annual Meeting. Denver, Colorado.
- Burrack, H., Chiu, J., Daane, K., Gomez, M., Gut, L., Isaacs, R., Loeb, G., **Rodriguez-Saona, C.**, Sial, A., Walton, V., and Zalom, F. 2017. Sustainable spotted wing drosophila management in US fruit crops: Year 2 update. Entomological Society of America Annual Meeting. Denver, Colorado.
- Rodriguez-Saona, C.** 2016. Applying chemical ecology for blueberry insect pest management. Department of Entomology. University of Georgia. Athens, Georgia.
- Rodriguez-Saona, C.**, M. Giusti, F. Sanchez-Pedraza, Y. Zhou, M. Chacon-Fuentes, and B. Benrey. 2016. Facilitation by domestication? Susceptibility of wild and cultivated blueberries to an invasive pest. XXV International Congress of Entomology. Orlando, Florida, USA.
- McArt, S., T. Miles, **C. Rodriguez-Saona**, A. Schilder, L.S. Adler, and M. Grieshop. 2016. Floral scent mimicry by a pollinator-vectored plant pathogen. XXV International Congress of Entomology. Orlando, Florida, USA.
- Hernandez-Cumplido, J., B. Benrey, and **C. Rodriguez-Saona**. 2016. From Mexico, Switzerland, and the USA: the effects of early induction on the performance of the seeds and fruit predators, changing the physiological state of the seeds and fruits. XXV International Congress of Entomology. Orlando, Florida, USA.
- Rodriguez-Saona, C.** 2016. Impacto de una plaga invasiva en el Manejo Integrado de Plagas: *Drosophila* de alas manchadas en arándano en los EE.UU (Impact of an invasive species on Integrated Pest Management: Spotted wing drosophila in blueberries in the USA). Servicio Nacional de Sanidad Agraria (SENASA). Dirección de Sanidad Vegetal. La Molina, Lima, Perú.
- Rodriguez-Saona, C.**, T. Leskey, A. Zhang, K. Rice., and J. Abraham. 2016. Chemical ecology of *Drosophila suzukii*: Attraction to fruit volatiles. 32<sup>nd</sup> Annual Meeting of the International Society of Chemical Ecology/1<sup>st</sup> Joint Meeting ISCE/ALAEQ. Foz do Iguassu, Brazil.
- Rodriguez-Saona, C.**, McArt, S.H., Miles, T., Schilder, A., Adler, L.S., and Grieshop, M.J. 2016. Floral scent mimicry and vector-pathogen associations in a pseudoflower-inducing plant pathogen



- system. 32<sup>nd</sup> Annual Meeting of the International Society of Chemical Ecology/1<sup>st</sup> Joint Meeting ISCE/ALAEQ. Foz do Iguassu, Brazil.
- Rodriguez-Saona, C.** 2016. Manipulation of natural enemy behavior for conservation biological control: Is it possible? Departamento de Biologia Animal, Instituto de Biologia, Universidade Estadual de Campinas – UNICAMP, Campinas, Brazil.
- Rodriguez-Saona, C.** 2016. Potential for manipulation of tri-trophic interactions in agro-ecosystems. Department of Entomology. University of Arkansas. Fayetteville, Arkansas.
- Rodriguez-Saona, C.** 2016. Floral scent mimicry and the transmission of a pollinator-vectored plant pathogen. Gordon Research Conference on Plant Volatiles. Ventura, California.
- Rodriguez-Saona, C., D. Polk, A. Raudenbush, R. Holdcraft, and A. Mafra-Neto.** 2015. Challenges in blueberry pest management: Insect invasions. Symposium: Beyond Corn and Soybeans: Challenges to Integrated Pest Management in Specialty Crops. The 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota.
- Rodriguez-Saona, C., T. Leskey, A. Zhang, A. Nielsen, K. Rice, and C. Michel.** 2015. Progress towards developing behavior-based control strategies for spotted wing drosophila. Organized meeting: Beyond Partnering to Develop Solutions against the Infamous Invasive Pest Spotted Wing Drosophila. The 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota.
- Rodriguez-Saona, C., T. Leskey, A. Zhang, A. Nielsen, and C. Michel.** 2015. Managing the invasive spotted wing drosophila using behavior-based strategies: Challenges and successes. Symposium: Challenges for Invasive Species Pest Management via Semiochemicals. 8<sup>th</sup> Asia-Pacific Chemical Ecology Conference. Anaheim, California.
- Rodriguez-Saona, C.** 2015. Interactions between insects and two perennial native US crops: Connecting basic and applied research. Department of Entomology. University of Maryland. College Park, Maryland.
- Rodriguez-Saona, C.** 2015. Understanding and exploiting multitrophic-level species interactions in agricultural systems. German Center for Integrative Biodiversity Research. Leipzig, Germany.
- Rodriguez-Saona, C.** 2015. Tri-trophic interactions in agroecosystems: From basic to applied research. Faculty of Science. Université de Neuchatel. Neuchatel, Switzerland.
- Kostromytska, O., **C. Rodriguez-Saona**, and A. Koppenhöfer. 2015. Host plant resistance of bentgrass species and cultivars (*Agrostis* spp) to annual bluegrass weevil (*Listronotus maculicollis*) and its mechanisms. 86<sup>th</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Rehoboth beach, Delaware.
- Rodriguez-Saona, C.** 2015. The impact of an invasive pest on integrated pest management: The spotted wing drosophila in blueberries in the US. Faculty of Science and Technology. University of Bolzano, Italy.
- Rodriguez-Saona, C., and Polk, D.** 2014. The impact of spotted wing drosophila in blueberries. Symposium: Challenges of Emerging and Resilient Insect Pests for IPM Implementation. The 62<sup>nd</sup> Annual Meeting of the Entomological Society of America. Portland, Oregon.
- Burrack, H.J., M.K. Asplen, B.W. Bahder, F. Drummond, C. Guedot, R. Isaacs, D. Johnson, A.K. Kirk, J.C. Lee, G.M. Loeb, **C. Rodriguez-Saona**, and S. Van Timmeren. 2014. Comparing the attractiveness of homemade baits and synthetic lures for monitoring *Drosophila suzukii* (Diptera: Drosophilidae) in host crops. Organized Meeting: Spotted Wing Drosophila: Developing Solutions for a Challenging Pest. The 62<sup>nd</sup> Annual Meeting of the Entomological Society of America. Portland, Oregon.
- Isaacs, R., H.J. Burrack, J.C. Wise, **C. Rodriguez-Saona**, and S. Van Timmeren. 2014. Evaluation of crop protectants for minimizing SWD infestation in berries. Organized Meeting: Spotted Wing Drosophila: Developing Solutions for a Challenging Pest. The 62<sup>nd</sup> Annual Meeting of the Entomological Society of America. Portland, Oregon.
- Leskey, T.C., B. Short, and **C. Rodriguez-Saona.** 2014. Developing behaviorally based tools for management of spotted wing drosophila. Organized Meeting: Spotted Wing Drosophila: Developing Solutions for a Challenging Pest. The 62<sup>nd</sup> Annual Meeting of the Entomological Society of America. Portland, Oregon.
- Rodriguez-Saona, C.** 2014. Research objectives and preliminary findings from Rodriguez-Saona lab. Spotted Wing Drosophila Northeastern IPM Working Group. Highland, New York.
- Rodriguez-Saona, C., J. Abraham, and A. Zhang.** 2014. Comparing spotted wing drosophila attraction to various fruit volatiles. 97<sup>th</sup> Annual meeting of the Florida Entomological Society. Jupiter, Florida.



- Rodriguez-Saona, C.**, J. Abraham, and A. Zhang. 2014. Integrating alternative SWD management practices. American Society for Horticultural Science Annual Conference. Orlando, Florida.
- Rodriguez-Saona, C.** 2014. Two decades of research on insect-plant interactions and applied chemical ecology: Lessons learned. Student Science Apprenticeship Program Lecture. Monell Chemical Senses Center. Philadelphia, PA.
- Rodriguez-Saona, C.** 2014. Volatile-mediated plant-insect interactions in a multi-trophic context. **GARY SIMMONS MEMORIAL LECTURE** (speaker selected by the students in the department). Department of Entomology. Michigan State University, Michigan.
- Rodriguez-Saona, C.** 2014. Exploring and exploiting the multifunctional roles of herbivore-induced plant volatiles. Department of Plant and Soil Science. University of Vermont. Burlington, Vermont.
- Rodriguez-Saona, C.** 2014. Can we make crops more attractive to the natural enemies of herbivores? 85<sup>th</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Williamsburg, Virginia.
- Rodriguez-Saona, C.** 2014. NE IPM Working Group Meeting update. eFly: Spotted Wing *Drosophila* SIPM Working Group Meeting. Savannah, GA.
- Roubos, C.R., **C. Rodriguez-Saona**, and R. Isaacs. 2013. Scale-dependent impacts of pesticides on arthropod biological control. Symposium: Impacts of Global Change on Biodiversity and Biological Control. The 61<sup>st</sup> Annual Meeting of the Entomological Society of America. Austin, Texas.
- Rodriguez-Saona, C.** 2013. Connecting research and extension IPM in berry crops: The satisfactions of a job in extension. Symposium: Making Connections Abroad: First Latin American/Hispanic Symposium. The 61<sup>st</sup> Annual Meeting of the Entomological Society of America. Austin, Texas.
- Rodriguez-Saona, C.** 2013. Towards sustainable IPM in small fruit: Successes and challenges. Symposium: Connecting Our Past with Our Future. A Look at Past Student Award Winners. Then, Now, and in the Future: Student-Sponsored Symposium. The 61<sup>st</sup> Annual Meeting of the Entomological Society of America. Austin, Texas.
- Rodriguez-Saona, C.** J. Abraham, and A. Zhang. 2013. Steps towards the identification of host-plant volatile attractants for spotted wing drosophila. 84<sup>th</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Lancaster, Pennsylvania.
- Rodriguez-Saona, C.** 2013. Response of insect predators to methyl salicylate in cranberries. 4<sup>th</sup> International Symposium on Biological Control of Arthropods. Pucón, Chile.
- Wallner, A.M., **C. Rodriguez-Saona**, A.L. Nielsen, and G. Hamilton. 2012. Examining landscape factors that are facilitating the distribution of the brown marmorated stink bug (*Halyomorpha halys*) in New Jersey. 60<sup>th</sup> Annual Meeting of the Entomological Society of America. Knoxville, Tennessee.
- Rodriguez-Saona, C.** 2012. Multi-trophic level consequences of domestication in a native U.S. crop. 60<sup>th</sup> Annual Meeting of the Entomological Society of America. Knoxville, Tennessee.
- Rodriguez-Saona, C.** and Z. Szendrei 2012. Patterns of attraction of herbivore pests to plant volatiles. XXIV International Congress of Entomology. Daegu, South Korea.
- Rodriguez-Saona, C.** 2012. Multi-functional roles of herbivore-induced plant volatiles and their applications in IPM. Citrus Research and Education Center. Florida University. Lake Alfred, Florida.
- Rodriguez-Saona, C.** 2011. Herbivore-induced plant volatiles: Functions and potential uses in IPM. Department of Entomology. Purdue University. West Lafayette, Indiana.
- Rodriguez-Saona, C.** 2011. Managing the invasive oriental beetle with mating disruption in blueberries. 6<sup>th</sup> Asian Pacific Conference on Chemical Ecology. Beijing, China.
- Rodriguez-Saona, C.** 2011. Can plant volatiles help in crop protection against herbivores? Department of Entomology. University of Wisconsin-Madison. Madison, Wisconsin.
- Rodriguez-Saona, C.** 2011. Uso de feromonas en manejo integrado de plagas, con énfasis en el cultivo de arándanos (The use of pheromones in Integrated Pest Management, with emphasis on blueberries). Universidad Nacional Agraria, La Molina. Lima, Perú.
- Rodriguez-Saona, C.**, R. Musser, and J. Thaler. 2010. From genes to organisms: Investigating induced plant responses to multiple herbivores. Symposium: Molecular and Biochemical Aspects of Plant-Insect Interactions: Student-Sponsored Symposium. The 58<sup>th</sup> Annual Meeting of the Entomological Society of America. San Diego, California.
- Rodriguez-Saona, C.** 2010. Managing blueberry maggot using spatially-based tools. **FEATURED TALK** Great Lakes EXPO. Grand Rapids, Michigan.
- Rodriguez-Saona, C.** 2010. Uncovering and exploiting the multifunctional roles of plant volatiles. Department of Plant Biology and Pathology. Rutgers University. New Brunswick, New Jersey.



- Rodriguez-Saona, C.** 2010. Integrating applied insect chemical ecology into blueberry pest management. Department of Entomology. Penn State University. State College, Pennsylvania.
- Rodriguez-Saona, C.** 2010. The ecological functions and applications in pest management of herbivore-induced plant volatiles. Department of Biological Sciences. Simon Fraser University. Vancouver, Canada.
- Rodriguez-Saona, C.** 2010. Cranberry tipworm. **FEATURED TALK.** British Columbia Cranberry Congress. Vancouver, Canada.
- Rodriguez-Saona, C.** 2010. Cranberry industry in New Jersey. **FEATURED TALK.** British Columbia Cranberry Congress. Vancouver, Canada.
- Rodriguez-Saona, C.** 2009. Manipulación de enemigos naturales mediante volátiles inducidos por herbivoría y su aplicación en control biológico (Manipulation of natural enemies with herbivore-induced plant volatiles and their application in biological control). **PLENARY TALK.** XXXII Congreso Nacional de Control Biológico (XXXII National Congress of Biological Control). Villahermosa, Mexico.
- Rodriguez-Saona, C.** 2009. The scent of plants in insect-plant interactions and pest management. Department of Entomology. Michigan State University. East Lansing, Michigan.
- Rodriguez-Saona, C.** 2009. Topics in cranberry entomology. **FEATURED TALK.** Wisconsin Cranberry School. Wassaw, Wisconsin.
- Rodriguez-Saona, C.** 2009. Intrepid use in cranberry. **FEATURED TALK.** Wisconsin Cranberry School. Wassaw, Wisconsin.
- Rodriguez-Saona, C.** 2008. Environmental influence on tri-trophic interactions: Plant phenotypic diversity and multiple herbivory. XXIII International Congress of Entomology. Durban, South Africa.
- Rodriguez-Saona, C.** 2007. Semiochemical-based management of blueberry pests. Fruit Symposium. ESA Eastern Branch Meeting. Harrisburg, Pennsylvania.
- Rodriguez-Saona, C.** 2007. Semiochemicals in small fruit entomology: From lab research to field trials. American Entomological Society. Newark, Delaware.
- Rodriguez-Saona, C.** 2006. Tri-trophic level interactions: Increasing the scale, complexity, and realism. Department of Entomology. The Ohio State University. Wooster, Ohio.
- Rodriguez-Saona, C.** 2006. Increasing the scale, complexity, and realism to better understand tritrophic (plant-herbivore-natural enemy) interactions. Ecology & Evolution Graduate Program Seminar. Rutgers University, New Brunswick, New Jersey.
- Rodriguez-Saona, C.** 2006. New directions in the study of tri-trophic interactions: Increasing the complexity. University of Massachusetts, Amherst, Massachusetts.
- Rodriguez-Saona, C.** 2005. Neighborhood and multiple herbivory affect interactions between plants, herbivores, and natural enemies. USDA, ARS Plant Sciences Institute, Beltsville Maryland.
- Rodriguez-Saona, C.** 2005. Real world complexity influences tri-trophic level interactions: The effects of neighborhood and multiple herbivores on plants. Department of Entomology, Texas A&M. College Station, Texas.
- Rodriguez-Saona, C.** 2005. Adaptation and environment in interactions between plants and insects: A tri-trophic level approach. Central Washington University. Ellensburg, Washington.
- Rodriguez-Saona, C.** 2005. Plant chemicals for insect control: An integrative approach in IPM. Marucci Center Research Extension, Rutgers University. Chatsworth, New Jersey.
- Rodriguez-Saona, C.** 2005. Tritrophic level interactions: Integrating the complexity of a real agricultural setting. Department of Entomology, Rutgers University. New Brunswick, New Jersey.
- Blackmer J, S. Naranjo, **C. Rodriguez-Saona**, and L. Williams III. 2005. Dispersal and host location by *Lygus* spp.: underlying behavioral and ecological mechanisms. International symposium ecology and management of *Lygus* plant bugs. Ottawa, Canada.
- Williams, L. III, **C. Rodriguez-Saona**, S.C. Castle, V. Manrique, J.S. Bernal, and W.A. Jones. 2005. Utilization of herbivore-induced plant volatiles for conservation biological control of *Lygus* species- from lab to field. International symposium ecology and management of *Lygus* plant bugs. Ottawa, Canada.
- Rodriguez-Saona, C.** 2004. Exploiting herbivore-induced plant volatiles in insect control. USDA Forest Services. East Lansing, Michigan.
- Rodriguez-Saona, C.** 2004. Scaling-up the consequences of induced plant responses: Effects of multiple herbivory and plant neighborhood. Michigan State University. East Lansing, Michigan.
- Rodriguez-Saona, C.** 2004. Herbivore-induced plant volatiles: Specificity of response and implications. Western Illinois University. Macomb, Illinois.



**Rodriguez-Saona, C.** 2004. From chemicals within plants to complex species interactions: Effects of plant compounds on herbivores and their natural enemies. Tennessee State University, Nashville, Tennessee.

**Rodriguez-Saona, C.** 2004. Effects of plants on herbivores and their natural enemies: Integrating the complexity of a real agricultural setting. Texas A&M Research Station, Amarillo, Texas.

**Rodriguez-Saona, C.,** S. Crafts-Brandner, L. Williams III, and P. Paré. 2003. Salivary gland extracts of the piercing-sucking *Lygus hesperus* induce volatile emissions in plants. In Symposium "Insect Saliva: An integrative approach". ESA Annual Meeting. Cincinnati, Ohio.

SUBMITTED PRESENTATIONS AT PROFESSIONAL MEETINGS (SINCE 2006) (underline indicates students and post-docs) (TOTAL = 182)

Ben-Zvi, Y. and **Rodriguez-Saona, C.** 2025. Landscape context influences natural enemy attraction to herbivore-induced plant volatiles. Joint Conference of the International Society of Chemical Ecology and the Asia-Pacific Association of Chemical Ecologists.

Kerstetter, J. and **Rodriguez-Saona, C.** 2025. Domestication of blueberries drives performance of an herbivore through changes in constitutive defenses. Joint Conference of the International Society of Chemical Ecology and the Asia-Pacific Association of Chemical Ecologists. **(WINNER: student oral competition People's Choice Award)**

**Rodriguez-Saona, C.** and Ben-Zvi, Y. 2025. Fruit domestication impacts oviposition preference and performance of a parasitoid wasp. 8<sup>th</sup> International Entomophagous Insects Conference. Tours, France.

Kerstetter, J.E., **Rodriguez-Saona, C.,** Polashock, J., Kawash, J., and Hawkings, C. 2025. Uncovering the impact of domestication on herbivore-induced gene expression in blueberries. The 95<sup>th</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Harrisburg, Pennsylvania. **(WINNER: 2<sup>nd</sup> place student oral competition).**

Collins, J.S. and **Rodriguez-Saona, C.** 2025. Evaluating non-target effects of Combi-Protec®, a phagostimulant, on *Ganaspis kimorum*, a The 95<sup>th</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Harrisburg, Pennsylvania.

Ben-Zvi, Y. and **Rodriguez-Saona, C.** 2025. Fruit domestication impacts oviposition preference and performance of a parasitoid wasp. The 95<sup>th</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Harrisburg, Pennsylvania.

Liu, H. and **Rodriguez-Saona, C.R.** 2025. Does nutrient availability mediate bottom-up effects in cranberry-phytoplasma-insect interactions? The 95<sup>th</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Harrisburg, Pennsylvania.

Ferguson, B.E., Shope, J., and **Rodriguez-Saona, C.R.** 2025. Assessment of pollination in blueberries reveals importance of management practices and lack of bee diversity. The 95<sup>th</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Harrisburg, Pennsylvania.

Kerstetter, J.E., **Rodriguez-Saona, C.,** Polashock, J., Kawash, J., and Hawkings, C. 2024. Comparative transcriptomics reveals how domestication of blueberries has shaped herbivore-induced gene expression. Entomological Society of America (ESA) Annual Meeting. Phoenix, Arizona. **(WINNER: 1<sup>st</sup> place student oral competition).**

Collins, J.S. and **Rodriguez-Saona, C.** 2024. Non-target effects of the phagostimulant Combi-protec on *Ganaspis brasiliensis*, a parasitoid of *Drosophila suzukii*. Entomological Society of America (ESA) Annual Meeting. Phoenix, Arizona.

Bass, T.T., Kerstetter, J.E., and **Rodriguez-Saona, C.** 2024. Assessing resistance to spotted-wing drosophila across populations of wild and domesticated blueberries. Entomological Society of America (ESA) Annual Meeting. Phoenix, Arizona. **(WINNER: 1<sup>st</sup> place student oral competition).**

Ben-Zvi, Y. and **Rodriguez-Saona, C.** 2024. The landscape mediates the effects of plant volatile on pollinators and pollination. Entomological Society of America (ESA) Annual Meeting. Phoenix, Arizona.

Liu, H. and **Rodriguez-Saona, C.R.** 2024. Bottom-up effects of nutrient availability and disease infection on above- and belowground herbivores. Entomological Society of America (ESA) Annual Meeting. Phoenix, Arizona.

Ferguson, B.E., Shope, J., and **Rodriguez-Saona, C.R.** 2024. Late for an important date: Pollination delays result in negative impacts on yield metrics in blueberries. Entomological Society of America (ESA) Annual Meeting. Phoenix, Arizona.



- Urbaneja-Bernat, P, **Rodríguez-Saona, C.**, Tena, A., González-Cabrera, J., Riudavets, J., and Arnó, J. 2024. Impacto de la gutación en las interacciones planta-insecto. XIII Congreso Nacional de Entomología Aplicada. Gijón, Spain.
- Salazar-Mendoza, P. **Rodríguez-Saona, C.**, and Bento, J.M.S. 2024. Domestication reduces plant resistance to insect pests in tomatos and cranberries. XXIX Congresso Brasileiro de Entomologia. Uberlândia, Minas Gerais, Brazil.
- Ben-Zvi, Y. and **Rodríguez-Saona, C.** 2024. Land cover influences on the effects of a plant volatile on pollination. XXVII International Congress of Entomology, Kyoto, Japan.
- Kerstetter, J., **Rodríguez-Saona, C.**, Polashock, J., Kawash, J., and Hawkings, C. 2024. Comparative transcriptomics reveals how domestication of blueberries has shaped herbivore-induced gene expression. The Ecological Society of America Annual Meeting. Long Beach, California.
- Rodríguez-Saona, C.**, Salazar-Mendoza, P., and Polashock, J. 2024. Phytoplasma infection renders cranberry plants more susceptible to above- and belowground insect herbivores. The Ecological Society of America Annual Meeting. Long Beach, California.
- Collins, J., Prade, P., and **Rodríguez-Saona, C.** 2024. Evaluation of the attraction of natural enemies to PredaLure in multiple crops across the U.S. The 94<sup>th</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Morgantown, West Virginia.
- Ben-Zvi, Y. and **Rodríguez-Saona, C.** 2024. Land cover influences on the effects of a plant volatile on pollination. The 94<sup>th</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Morgantown, West Virginia.
- Kerstetter, J. and **Rodríguez-Saona, C.** 2024. Transcriptomic analyses reveal differentially expressed herbivory-defense genes in blueberries. The 94<sup>th</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Morgantown, West Virginia. (**WINNER: 2<sup>nd</sup> place PhD student oral competition**).
- Liu H. and **Rodríguez-Saona, C.** 2024. Fertilizer-mediated bottom-up effects on plant-disease-herbivore interactions. The 94<sup>th</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Morgantown, West Virginia.
- Ferguson, B.E. and **Rodríguez-Saona, C.** 2024. Behavioral control of spotted wing drosophila by addition of a phagostimulant to insecticide applications. The 94<sup>th</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Morgantown, West Virginia.
- Ferguson, B.E., **Rodríguez-Saona, C.**, Shope, J. 2024. Effects of pollination delays in managed blueberries. The 94<sup>th</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Morgantown, West Virginia.
- Rossetti, M.R., Kuzmanich, N., Videla, M., Ben-Zvi, Y., and **Rodríguez-Saona, C.** 2023. Meta-analysis of olfactory responses of herbivores and natural enemies to methyl salicylate in laboratory experiments. VII Meeting of the Latin American Association of Chemical Ecology (ALAEQ), Buenos Aires, Argentina.
- Quadrel, A. and **Rodríguez-Saona, C.** 2023. Field efficacy of anthracnose-infected blueberry volatiles as repellents for spotted-wing drosophila. Entomological Society of America (ESA) Annual Meeting. National Harbor, Maryland. (**WINNER: 1<sup>st</sup> place student oral competition**).
- Kerstetter, J.E., Polashock, J., Hawkings, C., and **Rodríguez-Saona, C.** 2023. Transcriptomic analyses reveal differentially expressed herbivory-defense genes in blueberries. Entomological Society of America (ESA) Annual Meeting. National Harbor, Maryland. (**WINNER: 1<sup>st</sup> place student oral competition**).
- Abegg, C.K. and **Rodríguez-Saona, C.** 2023. Toxicity and behavioral effects of fungicides on honey bees. Entomological Society of America (ESA) Annual Meeting. National Harbor, Maryland.
- Liu, H. and **Rodríguez-Saona, C.** 2023. Fertilizer-mediated bottom-up effects on cranberry-Phytoplasma-herbivore interactions. Entomological Society of America (ESA) Annual Meeting. National Harbor, Maryland.
- Ferguson, B.E., **Rodríguez-Saona, C.**, and Holdcraft, R. 2023. Addition of a phagostimulant to insecticides used to control spotted-wing drosophila in blueberry. Entomological Society of America (ESA) Annual Meeting. National Harbor, Maryland.
- Collins, J.S., Ferguson, B.E., **Rodríguez-Saona, C.**, and Shope, J. 2023. Determining if current pollination is sufficient for New Jersey blueberry production. Entomological Society of America (ESA) Annual Meeting. National Harbor, Maryland.



- Bass, T.T., Rodriguez-Saona, C., and Ben-Zvi, Y. 2023. Does domestication matter? Comparing *Drosophila suzukii* oviposition and adult emergence between wild and cultivated blueberries. Entomological Society of America (ESA) Annual Meeting. National Harbor, Maryland.
- Ben-Zvi, Y. and Rodriguez-Saona, C. 2023. Plant volatile impacts on pollination services are dependent on spatial scale. 38th Annual Meeting of the International Society of Chemical Ecology. Bengaluru, India.
- Quadrel, A. and Rodriguez-Saona, C. 2023. Dose-dependent behavioral response of spotted-wing drosophila to anthracnose volatiles. The 93<sup>rd</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Providence, Rhode Island. (**WINNER: 1<sup>st</sup> place MS student oral competition**).
- Ben-Zvi, Y. and Rodriguez-Saona, C. 2023. Landscape-level effects of a plant volatile on pollination services. The 93<sup>rd</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Providence, Rhode Island.
- Prade, P. and Rodriguez-Saona, C. 2023. Survey of *Drosophila suzukii* parasitoids in New Jersey prior and after the release of *Ganaspis brasiliensis*. The 93<sup>rd</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Providence, Rhode Island.
- Ferguson, B.E. and Rodriguez-Saona, C. 2023. Behavioral control of spotted wing drosophila on highbush blueberry. The 93<sup>rd</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Providence, Rhode Island.
- Quadrel, A. and Rodriguez-Saona, C. 2022. Identifying repellents for spotted-wing drosophila from anthracnose-infected fruits. Joint Annual Meeting of the Entomological Society of America (ESA), Entomological Society of Canada (ESC), and the Entomological Society of British Columbia (ESBC). Vancouver, BC, Canada. (**WINNER: 2<sup>nd</sup> place student oral competition**).
- Ben-Zvi, Y. and Rodriguez-Saona, C. 2022. A three decade trend on cranberry IPM research. Joint Annual Meeting of the Entomological Society of America (ESA), Entomological Society of Canada (ESC), and the Entomological Society of British Columbia (ESBC). Vancouver, BC, Canada.
- Abegg, C.K., Polk, D., and Rodriguez-Saona, C. 2022. Honey bee, what's in your pollen? Residuals and pollen diversity in relation to colony health. Joint Annual Meeting of the Entomological Society of America (ESA), Entomological Society of Canada (ESC), and the Entomological Society of British Columbia (ESBC). Vancouver, BC, Canada.
- Prade, P. and Rodriguez-Saona, C. 2022. Preliminary survey of *Drosophila suzukii* parasitoids in New Jersey, USA. Joint Annual Meeting of the Entomological Society of America (ESA), Entomological Society of Canada (ESC), and the Entomological Society of British Columbia (ESBC). Vancouver, BC, Canada.
- Ferguson, B.E., Rodriguez-Saona, C., Zhang, A., and Urbaneja-Bernat, P. 2022. Ovipositional deterrent/repellent capabilities of naturally existing methyl benzoate and its analogs to manage *Drosophila suzukii*. Joint Annual Meeting of the Entomological Society of America (ESA), Entomological Society of Canada (ESC), and the Entomological Society of British Columbia (ESBC). Vancouver, BC, Canada.
- Urbaneja-Bernat, P., Tena, A., González-Cabrera, J., and Rodriguez-Saona, C. 2022. Gutación de las plantas: una fuente nutritiva de alimento para insectos. XII Congreso Nacional de Entomología Aplicada. Málaga, Spain.
- Rodriguez-Saona C.** 2022. Management of key insect pests of highbush blueberries in New Jersey, USA: Challenges and successes. North American Blueberry Research and Extension Workers Conference. (Virtual Presentation; host – British Columbia).
- Quadrel, A., Rodriguez-Saona, C., and Rering, C. 2022. Identifying repellents for spotted-wing drosophila from anthracnose-infected fruits. The 92<sup>nd</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Philadelphia, Pennsylvania.
- Ben-Zvi, Y. and Rodriguez-Saona, C. 2022. Advances in cranberry insect pest management: A literature synthesis. The 92<sup>nd</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Philadelphia, Pennsylvania.
- Salazar-Mendoza, P., Peralta-Aragón, I., Romero-Rivas, L., Salamanca, J., and Rodriguez-Saona, C. 2021. Altitude e sazonalidade afetam a abundancia e diversidade de moscas-das-frutas (Diptera: Tephritidae) e seus parasitoides em pomares de goiaba em uma floresta andina do Peru. II Encontro de Entomologia e Conservação da Biodiversidade. Programa de Pós-Graduação em Entomologia e Conservação da Biodiversidade da Universidade Federal da Grande Dourados. Dourados, MS, Brazil.



- Lampasona, T., Nielsen, A., and **Rodriguez-Saona, C.** 2021. In-situ distribution of plum curculio, *Conotrachelus nenuphar*, in peach and blueberry farms. 97th Cumberland–Shenandoah Fruit Workers Conference. (Virtual Presentation).
- Abegg, C., **Rodriguez-Saona, C.R.**, and Polk, D. 2021. Blueberry fungicide impacts on honey bee foraging behavior, hive health, and larval toxicity. Entomological Society of America Annual Meeting. Denver, Colorado.
- Lampasona, T., Nielsen, A., and **Rodriguez-Saona, C.R.** 2021. Utilizing protein immunomarkers to measure in-field dispersal of plum curculio, *Conotrachelus nenuphar* (Coleoptera: Curculionidae). Entomological Society of America Annual Meeting. Denver, Colorado. (Virtual Presentation).
- Sousa, A.L.V., **Rodriguez-Saona, C.R.**, Kyryczenko-Roth, V., Holdcraft, R., and Koppenhöfer, A. 2021. Entomopathogenic nematodes for the management of plum curculio (Coleoptera: Curculionidae) larvae in highbush blueberries. Entomological Society of America Annual Meeting. Denver, Colorado. (Virtual Presentation).
- Vacari, A.M., Figueiredo, G., Dami, B.G., Souza, J.M., Paula, W.B., de Oliveira Cabral, E., and **Rodriguez-Saona, C.R.** 2021. Inundative releases of *Chrysoperla externa* (Neuroptera: Chrysopidae) eggs for the control of the coffee leaf miner *Leucoptera coffeella* (Lepidoptera: Lyonetiidae). Entomological Society of America Annual Meeting. Denver, Colorado. (Virtual Presentation).
- Babu, A., **Rodriguez-Saona, C.R.**, Sial, A. 2021. Insect biology and host fruit volatiles can influence the efficacy of novel attract and kill (ACTTRA SWD) formulations against *Drosophila suzukii*. Entomological Society of America Annual Meeting. Denver, Colorado.
- Rhodes, E.M., Urbaneja-Bernat, P., **Rodriguez-Saona, C.R.**, Babu, A., Sial, A., and Liburd, O.E. 2021. Which organic insecticides are effective as the kill in attract-and-kill technology for *Drosophila suzukii* management? Entomological Society of America Annual Meeting. Denver, Colorado.
- Rodriguez-Saona, C.** and J. Polashock. 2021. Phytoplasma infection reduces cranberry resistance against aboveground and belowground insect herbivores. Symposium on Insect Plant relationships, SIP17, Leiden, The Netherlands. Virtual Meeting, Poster Presentation.
- de Lange, E.S. and **C. Rodriguez-Saona**. 2021. Beating the bugs in the cranberry bogs – host plant resistance. Symposium on Insect Plant relationships, SIP17, Leiden, The Netherlands. Virtual Meeting, Poster Presentation.
- Rhodes, E., Urbaneja-Bernat, P., **Rodriguez-Saona, C.**, Babu, A., Sial, A., and Liburd, O. 2021. The effects of fruit density and attractant formulation on *Drosophila suzukii* management using attract-and-kill technology. Virtual Meeting of the Southeastern Branch of the Entomological Society of America.
- Abegg, C., D. Polk, and **C. Rodriguez-Saona**. 2021. Factors influencing honey bee hive health in blueberry farms. Virtual Meeting of the Eastern Branch of the Entomological Society of America.
- Lampasona, T., A. Nielsen, and **C. Rodriguez-Saona**. 2021. Alternate host effects and oviposition preference of plum curculio, *Conotrachelus nenuphar*. Virtual Meeting of the Eastern Branch of the Entomological Society of America. **(WINNER: 2<sup>nd</sup> place PhD student oral competition)**.
- Rodriguez-Saona, C.**, P. Urbaneja-Bernat, and A. Mafra-Neto. 2020. Efficacy of attract-and-kill strategies to manage blueberry insect pests. 96<sup>th</sup> Cumberland–Shenandoah Fruit Workers Conference. Virtual Meeting.
- Abegg, C., D. Polk, and **C. Rodriguez-Saona**. 2020. Effects of blueberry & cranberry pest management practices on honeybee hive health. 96<sup>th</sup> Cumberland–Shenandoah Fruit Workers Conference. Virtual Meeting.
- Lampasona, T., **C. Rodriguez-Saona**, and A. Nielsen. 2020. In-field distribution of plum curculio *Conotrachelus nenuphar*. 96<sup>th</sup> Cumberland–Shenandoah Fruit Workers Conference. Virtual Meeting.
- Mansue, C., D. Polk, and **C. Rodriguez-Saona**. 2020. Update 2020: Oriental beetle–still a hidden issue. 96<sup>th</sup> Cumberland–Shenandoah Fruit Workers Conference. Virtual Meeting.
- Abegg, C.K., Polk, D. and **Rodriguez-Saona, C.** 2020. Effects of blueberry & cranberry pest management practices on *Apis mellifera* hive health. 2020 Entomology Virtual Annual Meeting. Entomological Society of America. **(WINNER: 1<sup>st</sup> place student oral competition)**.
- Schwanitz, T.W., Hawkings, C., and **Rodriguez-Saona, C.** 2020. Transcriptome analysis of *Drosophila suzukii* winter and summer morphs identifies differences in olfactory related genes. 2020 Entomology Virtual Annual Meeting. Entomological Society of America. **(WINNER: 1<sup>st</sup> place student oral competition)**.



- Urbaneja-Bernat, P., González-Cabrera, J., Hernández-Suárez, E., **Rodríguez-Saona, C.**, Urbaneja, A., and Tena, A. 2020. The African citrus psyllid honeydew as a carbohydrate and protein source for its specific parasitoid *Tamarixia dryi*. 2020 Entomology Virtual Annual Meeting. Entomological Society of America.
- Campbell, C., Mafra-Neto, A., Saroli, J.A., Silva, R. Klick, J., Seagraves, M., Borges, R., **Rodríguez-Saona, C.**, and Cumplido, J. 2020. SPLAT SWD: A semiochemical attract and kill formulation for spotted-wing drosophila, *Drosophila suzukii*. 2020 Entomology Virtual Annual Meeting. Entomological Society of America.
- Akotsen-Mensah, C., **Rodríguez-Saona, C.**, and Nielsen, A.L. 2020. Behavioral responses of BMSB and its egg parasitoid *Trissolcus japonicus* to host based plant volatiles. 2020 Entomology Virtual Annual Meeting. Entomological Society of America.
- Urbaneja-Bernat, P., **C. Rodríguez-Saona**, K. Cloonan, P. Salazar-Mendoza, and A. Zhang. 2019. Attraction of *Drosophila suzukii* flies to volatiles from wild blueberries. Entomological Society of America Annual Meeting. St. Louis, Missouri.
- Urbaneja-Bernat, P., A. Tena, J. González-Cabrera, and **C. Rodríguez-Saona**. 2019. Guttation as a potential food source for insects in blueberries. Entomological Society of America Annual Meeting. St. Louis, Missouri.
- Polk, D., C. Abegg, **C. Rodríguez-Saona**, and D. vanEngelsdorp. 2019. Investigations on the impact of blueberry pollination on honey bee health, *Apis mellifera* Linnaeus. Entomological Society of America Annual Meeting. St. Louis, Missouri.
- Lampasona, T., **C. Rodríguez-Saona**, C. Akotsen-Mensah, and A. Nielsen. 2019. Host effects on larvae and adults of plum curculio, *Conotrachelus nenuphar*. Entomological Society of America Annual Meeting. St. Louis, Missouri.
- Abegg, C., D. Polk, and **C. Rodríguez-Saona**. 2019. Connecting the dots: Pesticide usage and hive residues of blueberry pollination. Entomological Society of America Annual Meeting. St. Louis, Missouri.
- Urrutia, W., R. Silva, J. Saroli, R. Lake, C. Bernardi, A. Mafra-Neto, J. Klick, and **C. Rodríguez-Saona**. 2019. Support and protection of berry crops by means of behavioral manipulation. Entomological Society of America Annual Meeting. St. Louis, Missouri.
- Salazar-Mendoza, P., **Rodríguez-Saona, C.**, Urbaneja-Bernat, P., Cloonan K., and Zhang, A. 2019. Wild attraction: responses of the vinegar fly *Drosophila suzukii* to volatiles from wild and cultivated blueberries. II International Workshop on Chemical Ecology of Multitrophic Interactions. Lavras, Brazil. (WINNER: 2<sup>nd</sup> place student oral competition).
- Salamanca, J. and **Rodríguez-Saona, C.** 2019. Herbivore-induced plant volatiles to attract natural enemies in agroecosystems: Are 2 better than 1? 35<sup>th</sup> Annual Meeting of the International Society of Chemical Ecology. Atlanta, Georgia.
- Urbaneja-Bernat, P. and **Rodríguez-Saona, C.** 2019. Wild blueberries are more attractive than cultivated blueberries to the invasive vinegar fly *Drosophila suzukii*. 35<sup>th</sup> Annual Meeting of the International Society of Chemical Ecology. Atlanta, Georgia.
- Rodríguez-Saona, C.** and Cloonan, K. 2018. Double-edged sword: Cultivated blueberries are more susceptible, but less attractive, to spotted wing drosophila than wild blueberries. 94th Cumberland–Shenandoah Fruit Workers Conference. Winchester, Virginia.
- Cloonan, K. and **Rodríguez-Saona, C.** 2018. Domestication reduces the attraction of a vinegar fly to fruit volatiles. Entomological Society of America Annual Meeting. Vancouver, Canada.
- Cloonan, K. and **Rodríguez-Saona, C.** 2018. Red-sticky traps: a more friendly method for capturing the spotted wing drosophila. Entomological Society of America Annual Meeting. Vancouver, Canada.
- Pradit, N. and **Rodríguez-Saona, C.** 2018. Disease infection benefits non-vector phytophagous insects of cranberries. Entomological Society of America Annual Meeting. Vancouver, Canada.
- Salamanca, J., Garzón-Tovar, **Rodríguez-Saona, C.**, and Mendoza, C. 2018. Combining herbivore-induced plant volatiles to attract natural enemies in coffee crops in Colombia. Entomological Society of America Annual Meeting. Vancouver, Canada.
- Leskey, T.C., Shapiro-Ilan, D., Cullum, J., Pinero, J., Nielsen, A., and **Rodríguez-Saona, C.** 2018. A multi-life stage management strategy for the pervasive tree fruit pest, the plum curculio, *Conotrachelus nenuphar* (Herbst), in apple orchards. Entomological Society of America Annual Meeting. Vancouver, Canada.



- Urrutia, W., **Rodriguez-Saona, C.**, Klick, J., Seagraves, M., et al. 2018. SPLAT SWD: a semiochemical attract and kill formulation for spotted-wing drosophila, *Drosophila suzukii*. Entomological Society of America Annual Meeting. Vancouver, Canada.
- Cloonan, K. and **Rodriguez-Saona, C.** 2018. Testing novel attractants for *Drosophila suzukii*. 34<sup>th</sup> Annual Meeting of the International Society of Chemical Ecology. Budapest, Hungary.
- Pradit, N. and **Rodriguez-Saona, C.** 2018. Phytoplasma infection in cranberries benefits non-vector phytophagous insects. 34<sup>th</sup> Annual Meeting of the International Society of Chemical Ecology. Budapest, Hungary.
- Isaacs, R., Vincent, C., and **Rodriguez-Saona, C.** 2018. Blueberry insect pest management: Historical trends and future challenges. North American Blueberry Research and Extension Workers Conference. Orono, Maine.
- Garzón-Tovar, V., Jiménez, G., Mendoza, C., **Rodriguez-Saona, C.**, and Salamanca, J. 2018. Caracterización de enemigos naturales atraídos por el salicilato de metilo y benzaldehído en cultivos de café. Sociedad Colombiana de Entomología (SOCOLEN). Cali, Colombia.
- Silva, R., Seagraves, M., Klick, J., **Rodriguez-Saona, C.**, Holdcraft, R., Urrutia, W., Bernardi, C., Mafra-Neto, A., and Saroli, J. 2017. SPLAT SWD: A semiochemical attract and kill formulation for spotted-wing drosophila, *Drosophila suzukii*. Entomological Society of America Annual Meeting. Denver, Colorado.
- Pradit, N. and **Rodriguez-Saona, C.** 2017. Plant-mediated phytoplasma-vector interaction in American cranberry. Entomological Society of America Annual Meeting. Denver, Colorado.
- Holdcraft, R., **Rodriguez-Saona, C.**, Mafra-Neto, A., and Stelinski, L. 2017. Analyzing oriental beetle behavior in proximity to pheromone point sources in novel attract-&-kill scenario. Entomological Society of America Annual Meeting. Denver, Colorado.
- Stratton, Ch., **Rodriguez-Saona, C.**, Shelton, T., and Chen, Y. 2017. Repelling *Contarinia nasturtii* (Diptera: Cecidomyiidae), a specialist pest of brassica crops, using non-host essential oils. Entomological Society of America Annual Meeting. Denver, Colorado.
- Salamanca, J., Souza, B., Lundgren, J., and **Rodriguez-Saona, C.** 2017. Electrophysiological and behavioral response of *Chrysoperla rufilabris* (Neuroptera: Chrysopidae) to methyl salicylate. Entomological Society of America Annual Meeting. Denver, Colorado.
- Silva, D., Kyryczenko-Roth, V., Alborn, H., and **Rodriguez-Saona, C.** 2017. Comparison of trap types, colors, and placement for capturing cranberry weevil (Coleoptera: Curculionidae) adults in highbush blueberries. Entomological Society of America Annual Meeting. Denver, Colorado.
- Jaffe, B., Bal, H.K., Grant, J., Grieshop, M., Lee, J., Liburd, O., McDougal, E., **Rodriguez-Saona, C.**, Rhodes, E., Sial, A., Zhang, A., and Guédot, Ch. 2017. Multistate comparison of attractants, and the impact of background volatiles on trapping *Drosophila suzukii* (Diptera: Drosophilidae) in raspberry and blueberry. Entomological Society of America Annual Meeting. Denver, Colorado.
- Rodriguez-Saona C.**, Kyryczenko-Roth, V., and Holdcraft, R. 2017. Cranberry toad-bugs: what are they? North American Cranberry Research and Extension Workers Conference. Plymouth, Massachusetts.
- Holdcraft, R. and **C. Rodriguez-Saona.** 2017. Female autodetection of pheromones: what it means and why it matters. The 88<sup>th</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Newport, Rhode Island. **(WINNER: 2<sup>nd</sup> place student oral competition).**
- Benevenuto, R.F., Seldal, T., Hegland, S.J., Moe, S., Rydgren, K. and **C. Rodriguez-Saona.** 2017. Impacts of climate change on plant defense responses and plant-animal interactions. The 88<sup>th</sup> Annual Meeting of the Eastern Branch Entomological Society of America. Newport, Rhode Island.
- Rodriguez-Saona, C.**, Giusti, M., Sanchez, F., Zhou, Y., and Benrey B. 2017. The effects of domestication of blueberries on a frugivorous insect pest. Gordon Conference, Plant-Herbivore Interaction. Ventura, California.
- Salamanca, J., **C. Rodriguez-Saona,** and B. Souza. 2016. Manipulation of natural enemy behavior to enhance their ecosystem services in agricultural crops. XXV International Congress of Entomology. Orlando, Florida, USA.
- Stratton, C., **C. Rodriguez-Saona,** E. Hodgdon, and Y. Chen. 2016. Repellency of phylogenetically diverse plant odors to *Contarinia nasturtii* (Diptera: Cecidomyiidae). XXV International Congress of Entomology. Orlando, Florida, USA.
- de Lange, E., V. Kyryczenko-Roth, J. Johnson-Cicalese, J. Davenport, N. Vorsa, and **C. Rodriguez-Saona.** 2016. Beating the bugs in the cranberry bogs – nutrients influence plant resistance. XXV International Congress of Entomology. Orlando, Florida, USA.



- Fraga, D., **C. Rodriguez-Saona**, A. Busoli, O. Aguirre-Gil, and L. Souza. 2016. Population dynamics, vertical distribution, and natural parasitism of eggs of *Chrysodeixis includes* by *Trichogramma* spp. in soybean. XXV International Congress of Entomology. Orlando, Florida, USA. **(WINNER: 1<sup>st</sup> place student oral competition).**
- Blaauw, B., **C. Rodriguez-Saona**, G. C. Hamilton, and A. Nielsen. 2016. When stink bugs react: Host stimuli and the Brown marmorated stink bug. XXV International Congress of Entomology. Orlando, Florida, USA.
- Holdcraft, R. and **C. Rodriguez-Saona**. 2016. Evaluating the behavior of oriental beetle (*Anomala orientalis*) in proximity to pheromone point sources used in mating disruption and attract-and-kill. XXV International Congress of Entomology. Orlando, Florida, USA.
- Holdcraft, R. and **C. Rodriguez-Saona**. 2015. A novel attract and kill technology for oriental beetle, *Anomala orientalis*, control in blueberries. The 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota. **(WINNER: 2<sup>nd</sup> place student oral competition).**
- Salamanca, J., **C. Rodriguez-Saona**, and B. Souza. 2015. Helping our partners: Herbivore-induced plant volatiles increase natural enemy attraction and function in an agro-ecosystem. The 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota.
- Fraga, D.F., **C. Rodriguez-Saona**, G.C. Hamilton, A. Nielsen, and A.C. Busoli. 2015. Stink lover: A predator uses common stink bug volatile to find an invasive host pest. The 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota.
- Hahn, N., **C. Rodriguez-Saona**, and G.C. Hamilton. 2015. Utilizing the power of the masses to examine invasive insect migration. The 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota.
- Fraga, D.F., **C. Rodriguez-Saona**, G.C. Hamilton, A. Nielsen, and A.C. Busoli. 2015. Tridecane, a Brown marmorated stink bug volatile attracts and arrests *Orius* spp. The 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota.
- Blaauw, B., C. Mathews, **C. Rodriguez-Saona**, and A. Nielsen. 2015. Making scents of brown marmorated stink bug host selection. The 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota.
- Hahn, N., **C. Rodriguez-Saona**, and G.C. Hamilton. 2015. Making sense of the distribution of *Halyomorpha halys* populations on fine and broad scales. The 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota.
- Stratton, C., A.M. Shelton, **C. Rodriguez-Saona**, E. de Lange, and Y. Chen. 2015. Can phylogenetic distance of plant essential oils influence repellency to the specialist swede midge, *Contarinia nasturtii* (Diptera: Cecidomyiidae). The 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota.
- de Lange, E., J. Polashock, N. Vorsa, and **C. Rodriguez-Saona**. 2015. Beating the bugs in the cranberry bogs: Induced resistance in wild and cultivated cranberry. The 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota.
- Salamanca, J., B. Souza, and **C. Rodriguez-Saona**. 2015. Testing herbivore-induced plant volatiles for natural enemy conservation in agricultural systems. International Society of Chemical Ecology (ISCE) meeting. Stockholm, Sweden.
- Salamanca, J., B. Souza, and **C. Rodriguez-Saona**. 2015. Can herbivore-induced plant volatiles enhance biological control services in agroecosystems? 86<sup>th</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Rehoboth beach, Delaware. **(WINNER: 1<sup>st</sup> place student poster competition).**
- Hahn, N., **C. Rodriguez-Saona**, and G. C. Hamilton. 2015. Using a spatially autoregressive model to identify factors influencing clustering of *Halyomorpha halys*. 86<sup>th</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Rehoboth beach, Delaware.
- Strom, M., and **C. Rodriguez-Saona**. 2014. Comparing host-plant resistance to herbivory between domesticated and wild highbush blueberry populations in southern New Jersey. The 62nd Annual Meeting of the Entomological Society of America. Portland, Oregon.
- Salamanca, J., M. Pareja, **C. Rodriguez-Saona**, A.L. Resende, and B. Souza. 2014. Behavioral responses of *Chrysoperla externa* (Neuroptera: Chrysopidae) in a rose-aphid-coriander complex interaction. The 62nd Annual Meeting of the Entomological Society of America. Portland, Oregon.
- Fraga, D.F., **C. Rodriguez-Saona**, G.C. Hamilton, A.L. Nielsen, and A.C. Busoli. 2014. The role of volatiles from brown marmorated stink bug, *Halyomorpha halys*, on host location and egg predation by minute pirate bug, *Orius insidiosus*. The 62nd Annual Meeting of the Entomological



- Society of America. Portland, Oregon.
- Holdcraft, R., **C. Rodriguez-Saona**, A. Mafra-Neto, L. Stelinski, and D. Polk. 2014. Evaluation of a novel attract-&kill technology for control of oriental beetle in blueberries. The 62nd Annual Meeting of the Entomological Society of America. Portland, Oregon.
- de Lange, E., J. Polashock, N. Vorsa, and **C. Rodriguez-Saona**. 2014. Differential induction of insect defenses in seven cranberry varieties. The 62nd Annual Meeting of the Entomological Society of America. Portland, Oregon.
- Rodriguez-Saona, C.**, T.C. Leskey, and A.L. Nielsen. 2014. Testing the “trap-bush” concept to manage plum curculio adults in blueberries. The 62nd Annual Meeting of the Entomological Society of America. Portland, Oregon.
- McArt, S., **C. Rodriguez-Saona**, J-P. Salminen, and L. Adler 2014. Chemical ecology of a pollinator-vectored plant pathogen. 99<sup>th</sup> Ecological Society of America Annual Meeting. Sacramento, California.
- Rodriguez-Saona C.** 2014. Chemical ecology of a pollinator-vectored plant pathogen. International Society of Chemical Ecology. Urbana-Champaign, Illinois.
- Rodriguez-Saona C.** 2014. Attraction of spotted wing drosophila to fruit volatiles. North American Blueberry Research and Extension Workers Conference. Atlantic City, New Jersey.
- Rodriguez-Saona C.** 2014. Injury diagnostics for small fruit. Brown Marmorated Stink Bug Working Group Meeting. Georgetown, Delaware.
- Kostromyska, O., Koppenhöfer, A., and **Rodriguez-Saona, C.** 2014. Bentgrasses (*Agrostis* spp.) resistance to annual bluegrass weevils, *Listronotus macullicolis*, and its mechanisms. 85<sup>th</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Williamsburg, Virginia.
- Tewari, S., D. Polk, T.C. Leskey, A. Nielsen, and **C. Rodriguez-Saona**. 2013. Seasonal and spatial dynamics of plum curculio adults (Coleoptera: Curculionidae) in highbush blueberries. The 61<sup>st</sup> Annual Meeting of the Entomological Society of America. Austin, Texas.
- Rivera, M.J., A.M. Koppenhöfer, and **C. Rodriguez-Saona**. 2013. Assessing the entomopathogenic nematode community associated with highbush blueberry (*Vaccinium corymbosum*) in both agroecosystem and natural settings. The 61<sup>st</sup> Annual Meeting of the Entomological Society of America. Austin, Texas.
- Hahn, N., **C. Rodriguez-Saona**, and G.C. Hamilton. 2013. Factors affecting spatial patterns of brown marmorated stink bug, *Halyomorpha halys*, in peach orchard. The 61<sup>st</sup> Annual Meeting of the Entomological Society of America. Austin, Texas.
- Strom, M., M.J. Rivera, and **C. Rodriguez-Saona**. 2013. Domestication of highbush blueberry, *Vaccinium corymbosum*, affects community composition. The 61<sup>st</sup> Annual Meeting of the Entomological Society of America. Austin, Texas.
- Mafra-Neto, A., L. Stoltman, R. Borges, L. Mafra, C. Bernardi, K. Mafra-Spencer, M. Mafra-Spencer, **C. Rodriguez-Saona**, and R.I. Vargas. 2013. Invasive species management with SPLAT semiochemical Attract&Kill formulations: A moth, a beetle, and a fly. The 61<sup>st</sup> Annual Meeting of the Entomological Society of America. Austin, Texas.
- Kostromyska, O., Koppenhöfer, A., and **Rodriguez-Saona, C.** 2013. Host plant resistance and tolerance of bentgrass species and cultivars (*Agrostis* spp.) to annual bluegrass weevils, *Listronotus macullicolis* Dietz. The 61<sup>st</sup> Annual Meeting of the Entomological Society of America. Austin, Texas.
- Rodriguez-Saona C.**, Vorsa, N., Johnson-Cicalese, J., and J. Davenport. 2013. Effects of nutrient and genotype on cranberry resistance to insect herbivores. North American Cranberry Research and Extension Workers Conference. Québec, Canada.
- Rodriguez-Saona C.**, Polashock, J., and E. Malo. 2013. Jasmonate-mediated induced volatiles in the American cranberry. North American Cranberry Research and Extension Workers Conference. Québec, Canada.
- Hahn, N., G.C. Hamilton, and **C. Rodriguez-Saona**, G.C. Hamilton, and A. Kaufman. 2013. Spatial distribution of brown marmorated stink bug (*Halyomorpha halys*) in peach orchards. 84<sup>th</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Lancaster, Pennsylvania.
- Rivera M., **C. Rodriguez-Saona**, and A. Koppenhöfer. 2012. Does plant domestication change the dynamics of belowground herbivore-natural enemy interactions? 60<sup>th</sup> Annual Meeting of the Entomological Society of America. Knoxville, Tennessee.
- Harrison, K., Z. Szendrei, **C. Rodriguez-Saona**, and R. Medina. 2012. Testing for genetic differentiation among populations of the North American native cranberry fruitworm, *Acrobasis vaccinii*



- (Lepidoptera: Pyralidae), from blueberries and cranberries. 60<sup>th</sup> Annual Meeting of the Entomological Society of America. Knoxville, Tennessee.
- Hahn, N., G.C. Hamilton, and **C. Rodriguez-Saona**. 2012. Landscape effects on spatial distribution of brown marmorated stink bug (*Halyomorpha halys*) in peach orchards. 60<sup>th</sup> Annual Meeting of the Entomological Society of America. Knoxville, Tennessee.
- Kostromytska, O., **C. Rodriguez-Saona**, and A. Koppenhöfer. 2012. Role of volatiles in host recognition and preference of *Listronotus maculicollis* (Coleoptera: Curculionidae). 60<sup>th</sup> Annual Meeting of the Entomological Society of America. Knoxville, Tennessee.
- Kostromytska, O., **C. Rodriguez-Saona**, and A. Koppenhöfer. 2012. Evaluation of bentgrasses species and cultivars for resistance/tolerance to annual bluegrass weevil, *Listronotus maculicollis* (Coleoptera: Curculionidae). 60<sup>th</sup> Annual Meeting of the Entomological Society of America. Knoxville, Tennessee.
- Roubus, C.R. R. Isaacs, **C. Rodriguez-Saona**, K.S. Mason, and D. Polk. 2012. Relative toxicity and residual activity of insecticides used in blueberry pest management: Mortality of natural enemies in laboratory bioassays. 60<sup>th</sup> Annual Meeting of the Entomological Society of America. Knoxville, Tennessee.
- Burrack, H., J. Price, R. Isaacs, D. Horton, **C. Rodriguez-Saona**, J. Powell Smith, and G. Loeb. 2012. *Drosophila suzukii* host selection and utilization in eastern United States agroecosystems. XXIV International Congress of Entomology. Daegu, South Korea.
- Polk, D. and **C. Rodriguez-Saona**. 2012. Monitoring and distribution of SWD in NJ in 2011. 83<sup>rd</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Hartford, Connecticut.
- Rodriguez-Saona, C.** and D. Polk. 2012. Impact of BMSSB in Fruit Crops in New Jersey. 83<sup>rd</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Hartford, Connecticut.
- Rodriguez-Saona, C.**, L. Parra, A. Quiroz, and R. Isaacs. 2012. Variation in blueberry floral volatiles emissions and its significance for bee attraction. Gordon Conference, Plant Volatiles. Ventura, California.
- Rodriguez-Saona, C.**, I. Kaplan, and L. Williams. 2011. Response of predaceous arthropods to methyl salicylate in agricultural fields. 59<sup>th</sup> Annual Meeting of the Entomological Society of America. Reno, Nevada.
- Williams, L., **C. Rodriguez-Saona**, S. C. Castle del Conte. 2011. Host plant volatile effects on arthropods in cotton fields. 59<sup>th</sup> Annual Meeting of the Entomological Society of America. Reno, Nevada.
- Pfeiffer, D. G., **C. Rodriguez-Saona**, and J. Fiola. 2011. Potential impacts on grapes and small fruits in the mid-Atlantic USA. 59<sup>th</sup> Annual Meeting of the Entomological Society of America. Reno, Nevada.
- Kostromytska, O., **C. Rodriguez-Saona**, and A. Koppenhöfer. 2011. Annual bluegrass weevil IPM: plant resistance/tolerance and semiochemicals for monitoring and management. 59<sup>th</sup> Annual Meeting of the Entomological Society of America. Reno, Nevada.
- Isaacs, R., Parra, L., Quiroz, A., and **Rodriguez-Saona, C.** 2011. Bees, bouquets and blueberries: variation in flower volatiles and responses of pollinators. ENTO '11, Royal Entomological Society International Symposium and National Science Meeting, University of Greenwich, Chatham, Kent.
- Rodriguez-Saona C.**, Kaplan, I., and L. Williams. 2011. Field responses of predaceous arthropods to methyl salicylate. North American Cranberry Research and Extension Workers Conference. Wisconsin Dells, Wisconsin.
- Rodriguez-Saona, C.**, N. Vorsa, J. Johnson-Cicalese, and J. Davenport. 2011. Interactive effects of nutrient and genotype on cranberry resistance to herbivores. 82<sup>nd</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Harrisburg, Pennsylvania.
- Zaman, F.U., **C. Rodriguez-Saona**, P. Oudemans, and D. Polk. 2010. Where do the flies come from? An analysis of blueberry maggot fly distribution in New Jersey blueberry farms. 58<sup>th</sup> Annual Meeting of the Entomological Society of America. San Diego, California.
- Polk, D., F.U. Zaman, **C. Rodriguez-Saona**, P. Oudemans, and M. Hughes. 2010. The impact of spatial IPM on pesticide inputs in New Jersey blueberry production. 58<sup>th</sup> Annual Meeting of the Entomological Society of America. San Diego, California.
- McGraw, B., **C. Rodriguez-Saona**, R. Holdcraft, and A. Koppenhöfer. 2010. Behavioral and electrophysiological responses of the annual bluegrass weevil to turfgrass volatiles. 58<sup>th</sup> Annual Meeting of the Entomological Society of America. San Diego, California.
- Rodriguez-Saona C.** 2010. The entomology blueberry IPM research and extension program at Rutgers University. North American Blueberry Research and Extension Workers Conference. Kalamazoo,



Michigan.

- Rodriguez-Saona, C.**, and D. Polk. 2010. Competitive attraction is a mating disruption mechanism in oriental beetle. 81<sup>st</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Annapolis, Maryland.
- Rodriguez-Saona, C.**, C. J. Frost, N. Vorsa, J. Jonson-Cicalese, and Z. Szendrei. 2009. Genotypic variation in resistance to gypsy moth in cranberries. 57<sup>th</sup> Annual Meeting of the Entomological Society of America. Indianapolis, Indiana.
- Zaman, F.U., **C. Rodriguez-Saona**, D. Polk, and P. Oudemans. 2009. A GIS-based insect pest management program for highbush blueberries. 57<sup>th</sup> Annual Meeting of the Entomological Society of America. Indianapolis, Indiana.
- Polk, D., **C. Rodriguez-Saona**, F. Zaman, and P. Oudemans. 2009. The effect of a spatially-based blueberry IPM program on grower pesticide use. 57<sup>th</sup> Annual Meeting of the Entomological Society of America. Indianapolis, Indiana.
- Rodriguez-Saona, C.**, and N. Vorsa. 2009. Genotypic variation for resistance to gypsy moth in cranberries. 80<sup>th</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Harrisburg, Pennsylvania.
- Polk, D., **C. Rodriguez-Saona**, and P. Oudemans. 2009. Distribution of blueberry maggot populations on commercial farms. 80<sup>th</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Harrisburg, Pennsylvania.
- Drummond, F., J. Collins, and **C. Rodriguez-Saona**. 2009. Blueberry fruit flies in tree tops? 80<sup>th</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America. Harrisburg, Pennsylvania.
- Rodriguez-Saona, C.**, R. Isaacs, V. Kyryczenko-Roth, and J. Tuell. 2008. Blueberry flower volatiles: Composition, diurnal pattern of emissions, and effects of bees. ESA Annual Meeting. Reno, Nevada.
- Harrison, K., R. Medina, and **C. Rodriguez-Saona**. 2008. Detection of host-associated differentiation of *Acrobasis vaccinii* in a native fruit system. ESA Annual Meeting. Reno, Nevada.
- Barry, J., **C. Rodriguez-Saona**, D. Polk, and A. Zhang. 2008. Seasonal abundance and parasitism of *Caloptilia porphyretica* Braun (Lepidoptera: Gracillariidae), a leafminer on highbush blueberry. ESA Annual Meeting. Reno, Nevada.
- Szendrei, Z., E. Malo, and **C. Rodriguez-Saona**. 2008. Identification of volatile attractants for the cranberry weevil, *Anthonomus musculus* Say (Coleoptera: Curculionidae). ESA Annual Meeting. Reno, Nevada.
- Szendrei, Z., E. Malo, and **C. Rodriguez-Saona**. 2008. Identification of host-plant attractants for the cranberry weevil, *Anthonomus musculus* Say (Coleoptera: Curculionidae). International Society of Chemical Ecology. 25<sup>th</sup> ISCE meeting, State College, Pennsylvania.
- Polk, D., **C. Rodriguez-Saona**, and P. Oudemans. 2008. Within-farm use of GIS technology for spatial management of blueberry insects: the case for blueberry maggot. XXIII International Congress of Entomology. Durban, South Africa.
- Szendrei, Z., E. Malo, and **C. Rodriguez-Saona**. 2008. Identification of host-plant attractants for the cranberry weevil, *Anthonomus musculus* Say (Coleoptera: Curculionidae). XXIII International Congress of Entomology. Durban, South Africa.
- Rodriguez-Saona, C.** 2007. Herbivore- and jasmonate-induced responses in *Vaccinium*: IPM implications. ESA Annual Meeting. San Diego, California.
- Polk, D., **C. Rodriguez-Saona**, and P. Oudemans. 2007. Spatially based pest management of blueberry maggot (*Rhagoletis mendax*) in highbush blueberry. ESA Annual Meeting. San Diego, California.
- Rodriguez-Saona, C.**, and L. Rodriguez-Saona. 2007. Smelling the danger within: The role of induced volatiles in branch-branch communication. Gordon Conference Floral & Vegetative Volatiles. Les Diablerets, Switzerland.
- Williams, L., III, Castle, S. C., MontBlanc, E. M., Quinlan, R. M., **Rodriguez-Saona, C.**, and Zhu, S. 2007. Synthetic herbivore-induced plant volatiles affect arthropod behavior in cotton. 91<sup>st</sup> Annual Meeting of the Pacific Branch of the Entomological Society of America. Portland, Oregon.
- Polk, D., **C. Rodriguez-Saona**, and P. Oudemans. 2006. Insecticide reduction through spatially referenced management of the blueberry maggot, *Rhagoletis mendax*, in highbush blueberry. ESA Annual Meeting. Indianapolis, Indiana.
- Musser, R., **C. Rodriguez-Saona**, S. Williams, H. Vogel, and J. Thaler. 2006. Aphid feeding alters expression of resistant genes induced by caterpillars in tomato. ESA Annual Meeting.



Indianapolis, Indiana.

**Rodriguez-Saona, C.**, D. Polk, R. Holdcraft, and J.D. Barry. 2006. Optimization of pheromone dosage for Oriental beetle mating disruption in commercial blueberries. ESA Annual Meeting. Indianapolis, Indiana.

**Rodriguez-Saona C.** and Polk, D. 2006. Development and implementation of reduced-risk pest management programs for blueberries in New Jersey. North American Blueberry Research and Extension Workers Conference. Tifton, Georgia.

Blackmer, J.L., J.A. Byers, and **C. Rodriguez-Saona**. 2006. Visual and volatile preferences of the generalist herbivore, *Lygus hesperus* (Heteroptera: Miridae). Beltwide Cotton Conference. San Antonio, Texas.

#### EXTENSION PRESENTATIONS (TOTAL = 194)

| Date     | Event/Location   | Title of Presentation  | Duration                            | Attendance |
|----------|--|--|-------------------------------------|------------|
| 08/21/25 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey | A summary of 2025 entomological research   | 30 min Lec.                         | 60         |
| 06/05/25 | Blueberry Twilight Meeting/3 <sup>rd</sup> Annual Meeting/Chatsworth, New Jersey     | Recommendations for late-season insect pests   | 20 min Lec.                         | 42         |
| 05/29/25 | Cranberry Twilight Meeting/Chatsworth, New Jersey                                    | Updates on entomological research  | 20 min. Lec.                        | 41         |
| 04/30/25 | Blueberry Twilight Meeting/2 <sup>nd</sup> Annual Meeting/Hamilton, New Jersey       | Recommendations for mid-season insect pests  | 20 min Lec.                         | 60         |
| 04/01/25 | Blueberry Twilight Meeting/1 <sup>st</sup> Annual Meeting/Shamong, New Jersey        | Recommendations for early-season insect pests  | 20 min Lec.                         | 74         |
| 03/06/25 | Blueberry Open House/Hamilton, New Jersey  | Trials on a new insecticide for blueberries  | 30 min Lec.                         | 107        |
| 02/05/25 | New Jersey Agricultural Convention and Trade Show/Atlantic City, New Jersey          | Infestation and parasitism rates of spotted-wing drosophila in non-crop hosts: Implications for management | 30 min Lec.                         | 70         |
| 02/05/25 | New Jersey Agricultural Convention and Trade Show/Atlantic City, New Jersey          | Update on spotted-winged drosophila research and management  | 30 min Lec.                         | 32         |
| 01/27/25 | Scotia Horticultural Congress/Nova Scotia, Canada                                    | Rebuilding IPM: Advances in SWD management   | 30 min Lec.                         | 52         |
| 01/16/25 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey | Results from 2025 insecticides trials  | 20 min Lec.                         | 57         |
| 12/19/24 | New England Vegetable and Fruit Conference/Manchester, New Hampshire                 | Beetles, aphids, and flies in blueberries  | 30 min Lec.                         | 60         |
| 12/19/24 | New England Vegetable and Fruit Conference/Manchester, New Hampshire                 | Novel behavior-based strategies for SWD  | 30 min Lec.                         | 60         |
| 08/22/24 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey | A summary of the 2024 entomological research   | 20 min Lec.                         | 55         |
| 05/28/24 | Blueberry Twilight Meeting/3 <sup>rd</sup> Annual Meeting/Chatsworth, New Jersey     | Tour of the Marucci Research Center: Entomology updates  | 60 min Lec.<br>(4 Lec. 15 min each) | 84         |
| 05/24/24 | Cranberry Twilight Meeting/Pemberton, New Jersey                                     | Control options for blunt-nosed leafhoppers: Lessons learned   | 20 min. Lec.                        | 42         |
| 04/22/24 | Blueberry Twilight Meeting/2 <sup>nd</sup> Annual Meeting/Hamilton, New Jersey       | Recommendations for mid-season insect pests  | 20 min. Lec.                        | 75         |
| 04/02/24 | Blueberry Twilight Meeting/1 <sup>st</sup> Annual Meeting/Shamong, New Jersey        | Recommendations for early season insect pests  | 20 min Lec.                         | 90         |
| 03/28/24 | Cape Code Cranberry Growers' Association Pesticide Training Workshop (online)        | Chemical control of leafhoppers in cranberries   | 25 min Lec.                         | 60         |
| 02/27/24 | North American Raspberry and Blackberry Association, Wilmington, North Carolina      | Role of climate variation on the population dynamics of spotted-wing drosophila                            | 25 min Lec.                         | 45         |



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| 02/14/24 | Blueberry Open House/Hammonton, New Jersey   | Update on insecticides and new strategies for controlling insect pests      | 20 min Lec. | 98  |
| 02/08/24 | New Jersey Agricultural Convention and Trade Show/Atlantic City, New Jersey          | Current research on beetles and flies                                       | 20 min Lec. | 75  |
| 01/31/24 | Mid-Atlantic Fruit and Vegetable Convention/Hershey, Pennsylvania                    | SWD management: Adjuvants, biocontrols, repellents, and insecticides        | 30 min Lec. | 105 |
| 01/18/24 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey | Results from 2023 insecticides trials                                       | 20 min Lec. | 47  |
| 08/24/23 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey | Overview of entomological research on cranberries at Rutgers                | 20 min Lec. | 83  |
| 05/24/23 | Blueberry Twilight Meeting/3 <sup>rd</sup> Annual Meeting/Mays Landing, New Jersey   | Managing late-season blueberry insect pests                                 | 20 min Lec. | 74  |
| 05/23/23 | Cranberry Twilight Meeting/Chatsworth, New Jersey                                    | 2023 Insect pest management updates   | 20 min Lec. | 41  |
| 04/24/23 | Blueberry Twilight Meeting/2 <sup>nd</sup> Annual Meeting/Hammonton, New Jersey      | Managing mid-season blueberry insect pests                                  | 20 min Lec. | 75  |
| 03/28/23 | Blueberry Twilight Meeting/1 <sup>st</sup> Annual Meeting/Shamong, New Jersey        | Early-season blueberry insect pests   | 20 min Lec. | 72  |
| 03/08/23 | Blueberry Open House/Hammonton, New Jersey   | Updates on new insecticides   | 20 min Lec. | 120 |
| 02/08/23 | New Jersey Agricultural Convention and Trade Show                                    | Enhancing insecticide performance: Testing adjuvants to manage SWD          | 30 min Lec. | 95  |
| 02/08/23 | New Jersey Agricultural Convention and Trade Show/Atlantic City, New Jersey          | Efforts to release a spotted-wing drosophila parasitoid in New Jersey       | 30 min Lec. | 20  |
| 02/02/23 | Mid-Atlantic Fruit and Vegetable Convention/Hershey, Pennsylvania                    | Efforts to establish a natural enemy of SWD in the mid-Atlantic and beyond  | 30 min Lec. | 80  |
| 01/19/23 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey | Latest advances in entomological research                                   | 20 min Lec. | 54  |
| 08/18/22 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey | Entomological research updates  | 20 min Lec. | 60  |
| 06/14/22 | Cranberry Twilight Meeting/Chatsworth, New Jersey                                    | 2022 Insect pest management updates   | 20 min Lec. | 35  |
| 05/26/22 | Blueberry Twilight Meeting/3 <sup>rd</sup> Annual Meeting/Hammonton, New Jersey      | On-going research on spotted-wing drosophila                                | 20 min Lec. | 44  |
| 04/14/22 | Blueberry Twilight Meeting/2 <sup>nd</sup> Annual Meeting/Online (Virtual)           | Mid-season blueberry insect pests   | 20 min Lec. | 45  |
| 03/29/22 | Blueberry Twilight Meeting/1 <sup>st</sup> Annual Meeting/Online (Virtual)           | Early-season blueberry insect pests   | 20 min Lec. | 50  |
| 02/26/22 | Blueberry Open House/Hammonton, New Jersey   | New recommendations for controlling insect pests of blueberries             | 30 min Lec. | 80  |
| 02/09/22 | New Jersey Agricultural Convention and Trade Show/Atlantic City, New Jersey          | A multi-state approach to manage plum curculio                              | 30 min Lec. | 90  |
| 02/03/22 | Mid-Atlantic Fruit and Vegetable Convention/Hershey, Pennsylvania                    | New tools for monitoring for SWD  | 30 min Lec. | 55  |
| 02/03/22 | Mid-Atlantic Fruit and Vegetable Convention/Hershey, Pennsylvania                    | Advances in spotted-wing drosophila monitoring and management               | 30 min Lec. | 60  |
| 01/20/22 | American Cranberry Growers' Association/Annual Winter Meeting (Virtual)              | Results from insecticidal trials for blunt-nosed leafhoppers in cranberries | 20 min Lec. | 53  |
| 08/19/21 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey | 2021 insecticide trials for insect pests                                    | 20 min Lec. | 56  |
| 06/10/21 | Cranberry Twilight Meeting/Chatsworth, New Jersey                                    | 2021 cranberry insect pest management – An update                           | 20 min Lec. | 45  |
| 05/27/21 | Blueberry Twilight Meeting/3 <sup>rd</sup> Annual Meeting/Online (Virtual)           | 2021 ranking of insecticides for their performance against SWD              | 20 min Lec. | 45  |



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| 04/22/21 | Blueberry Twilight Meeting/2 <sup>nd</sup> Annual Meeting/Online (Virtual)           | Mid-season blueberry insect pests   | 20 min Lec. | 58  |
| 03/18/21 | Blueberry Open House/Online (Virtual)  | What is new on blueberry insect pest management?  | 20 min Lec. | 103 |
| 02/24/21 | New Jersey Agricultural Convention and Trade Show (Virtual)                          | Searching for novel repellents to manage spotted-wing drosophila                              | 30 min Lec. | 66  |
| 02/24/21 | New Jersey Agricultural Convention and Trade Show (Virtual)                          | A decade after spotted-wing drosophila invasion in the USA: Lessons learned                   | 30 min Lec. | 50  |
| 01/21/21 | American Cranberry Growers' Association/Annual Winter Meeting (Virtual)              | Cranberry insect IPM: Best management practices   | 20 min Lec. | 47  |
| 12/18/20 | Wisconsin State Cranberry Growers Association Virtual Brown Bag Seminar              | Blunt-nosed leafhoppers, an emerging cranberry pest   | 15 min Lec. | 71  |
| 08/20/20 | American Cranberry Growers' Association/Annual Summer Meeting/Online (Virtual)       | Latest news on insects in cranberries   | 15 min Lec. | 27  |
| 06/23/20 | Cranberry Twilight Meeting/Online (Virtual)  | 2020 Cranberry insect pest management – An Update   | 20 min Lec. | 30  |
| 05/28/20 | Blueberry Twilight Meeting/3 <sup>rd</sup> Annual Meeting/Online (Virtual)           | Late-season Blueberry Insect Pests  | 15 min Lec. | 48  |
| 04/28/20 | Blueberry Twilight Meeting/2 <sup>nd</sup> Annual Meeting/Online (Virtual)           | Control strategies for mid-season insect pests  | 15 min Lec. | 47  |
| 03/26/20 | Ocean Spray Winter Workshop/Online (Virtual)   | 2020 Cranberry insect pest recommendations for New Jersey                                     | 30 min Lec. | 33  |
| 03/26/20 | Blueberry Twilight Meeting/1 <sup>st</sup> Annual Meeting/Online (Virtual)           | 2020 Blueberry insect pest recommendations for New Jersey                                     | 15 min Lec. | 40  |
| 03/09/20 | Blueberry Open House/Hamilton, New Jersey  | An update on blueberry insect pest management and spotted-wing drosophila                     | 20 min Lec. | 95  |
| 02/05/20 | New Jersey Agricultural Convention and Trade Show/Atlantic City, New Jersey          | Latest Research on Spotted Wing Drosophila  | 30 min Lec. | 65  |
| 01/29/20 | Mid-Atlantic Fruit and Vegetable Convention/Hershey, Pennsylvania                    | Behavior-based Control Tactics for Spotted Wing Drosophila                                    | 30 min Lec. | 110 |
| 01/24/20 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey | Can we exploit cranberry's own defenses to fight against phytoplasma infection?               | 25 min Lec. | 50  |
| 08/15/19 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey | On-going research on sucking insect pests   | 25 min Lec. | 45  |
| 06/13/19 | Cranberry Twilight Meeting/Chatsworth, New Jersey                                    | Cranberry Insect Pest Management  | 20 min Lec. | 45  |
| 05/30/19 | Blueberry Twilight Meeting/3 <sup>rd</sup> Annual Meeting/Hamilton, New Jersey       | Control strategies for late-season insect pests   | 20 min Lec. | 65  |
| 04/23/19 | Blueberry Twilight Meeting/2 <sup>nd</sup> Annual Meeting/Hamilton, New Jersey       | Control strategies for mid-season insect pests  | 20 min Lec. | 80  |
| 03/28/19 | Blueberry Twilight Meeting/1 <sup>st</sup> Annual Meeting/Hamilton, New Jersey       | Control strategies for early-season insect pests  | 20 min Lec. | 100 |
| 02/19/19 | Blueberry Open House/Hamilton, New Jersey  | A historic overview of blueberry insect IPM   | 20 min Lec. | 85  |
| 02/06/19 | New Jersey Agricultural Convention and Trade Show/Atlantic City, New Jersey          | Using red sticky traps for spotted wing drosophila  | 30 min Lec. | 55  |
| 02/06/19 | New Jersey Agricultural Convention and Trade Show/Atlantic City, New Jersey          | Efficacy of traps for monitoring spotted wing drosophila                                      | 20 min Lec. | 65  |
| 01/31/19 | Mid-Atlantic Fruit and Vegetable Convention/Hershey, Pennsylvania                    | Trapping for SWD vs. Infestation in Blueberries   | 30 min Lec. | 70  |
| 01/17/19 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey | Management of blunt-nosed leafhoppers in cranberries: Lessons learned from insecticide trials | 25 min Lec. | 50  |
| 07/03/18 | Cranberry Twilight Meeting/Chatsworth, New Jersey                                    | Monitoring for Cranberry Insects  | 20 min Lec. | 23  |



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| 05/31/18 | Blueberry Twilight Meeting/3rd Annual Meeting/Hammonton, New Jersey                  | Control strategies for late season insect pests                   | 20 min Lec. | 95  |
| 04/26/18 | Blueberry Twilight Meeting/2nd Annual Meeting/Hammonton, New Jersey                  | Control strategies for mid-season insect pests                    | 20 min Lec. | 90  |
| 03/29/18 | Blueberry Twilight Meeting/1st Annual Meeting/Hammonton, New Jersey                  | Control strategies for early-season insect pests                  | 20 min Lec  | 80  |
| 02/21/18 | Blueberry Open House/Hammonton, New Jersey   | Advances in spotted wing drosophila research                      | 20 min Lec. | 99  |
| 02/07/18 | New Jersey Agricultural Convention and Trade Show/Atlantic City, New Jersey          | Progress towards SWD management in blueberries                    | 20 min Lec. | 60  |
| 01/18/18 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey | Management of cranberry insect pests: leafhoppers and toadbugs    | 25 min Lec. | 45  |
| 08/17/17 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey | On-going research on sucking insect pests                         | 20 min Lec. | 50  |
| 06/14/17 | Cranberry Twilight Meeting/Vincentown, New Jersey                                    | Monitoring for cranberry insects                                  | 20 min Lec. | 40  |
| 05/25/17 | Blueberry Twilight Meeting/3rd Annual Meeting/Hammonton, New Jersey                  | Late-season blueberry insect pests and control                    | 20 min Lec. | 85  |
| 04/27/17 | Blueberry Twilight Meeting/2nd Annual Meeting/Hammonton, New Jersey                  | Mid-season insect pests and their control                         | 30 min Lec. | 80  |
| 03/28/17 | Blueberry Twilight Meeting/1st Annual Meeting/Hammonton, New Jersey                  | Control strategies for early-season insect pests                  | 30 min Lec. | 80  |
| 02/21/17 | Blueberry Open House/Hammonton, New Jersey   | Insecticide Efficacy Trials and Recommendations for 2017          | 20 min Lec  | 100 |
| 02/08/17 | New Jersey Agricultural Convention and Trade Show/Atlantic City, New Jersey          | Spotted wing drosophila: A research update                        | 30 min Lec. | 62  |
| 01/19/17 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey | What do we know and don't know about leafhoppers and toadbugs     | 25 min Lec. | 42  |
| 08/18/16 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey | Research on sucking insect pests of cranberries                   | 20 min Lec. | 55  |
| 05/24/16 | Blueberry Twilight Meeting/3rd Annual Meeting/Hammonton, New Jersey                  | Late-season blueberry insect pests                                | 20 min Lec. | 95  |
| 04/26/16 | Blueberry Twilight Meeting/2nd Annual Meeting/Hammonton, New Jersey                  | Mid-season blueberry insect pests                                 | 20 min Lec. | 85  |
| 03/28/16 | Blueberry Twilight Meeting/1st Annual Meeting/Hammonton, New Jersey                  | Control strategies for early-season insect pests                  | 30 min Lec. | 84  |
| 03/07/16 | Blueberry Open House/Hammonton, New Jersey   | Integrating Insect Pest Management Post-SWD Invasion              | 30 min Lec. | 125 |
| 02/10/16 | New Jersey Agricultural Convention and Trade Show/Atlantic City, New Jersey          | What we know and what we don't know about spotted wing drosophila | 20 min Lec. | 45  |
| 02/10/16 | New Jersey Agricultural Convention and Trade Show/Atlantic City, New Jersey          | An update on spotted wing drosophila management                   | 30 min Lec. | 40  |
| 01/21/16 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey | Management of Cranberry Insect Pests: Leps and Toad Bugs          | 25 min. Lec | 47  |
| 06/18/15 | Cranberry Twilight Meeting/Chatsworth, New Jersey                                    | Cranberry insect pest management                                  | 20 min Lec. | 35  |
| 05/21/15 | Blueberry Twilight Meeting/3rd Annual Meeting/Hammonton, New Jersey                  | Late-season blueberry insect pests                                | 20 min Lec. | 58  |



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| 04/23/15 | Blueberry Twilight Meeting/2nd Annual Meeting/Hammonton, New Jersey   | Mid-season blueberry insect pests  | 20 min Lec. | 60 |
| 04/10/15 | Ocean Spray Winter Workshop/Chatsworth, New Jersey  | The cranberry toad bug   | 30 min Lec. | 45 |
| 02/04/15 | Vegetable Growers' Association of New Jersey/60th Atlantic Coast Ag Convention & Trade Show/Atlantic City, New Jersey | Evaluation of a novel attract-&-kill technology for control of oriental beetle | 20 min Lec. | 52 |
| 01/28/15 | Mid-Atlantic Fruit and Vegetable Convention/Annual Meeting/Hershey, Pennsylvania                                      | Progress towards managing spotted wing drosophila in blueberries               | 45 min Lec. | 80 |
| 08/22/14 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey                                  | Insecticide trials in cranberries  | 15 min Lec. | 55 |
| 06/12/14 | Cranberry Twilight Meeting/Browns Mills, New Jersey   | Cranberry insect pest management   | 20 min Lec. | 40 |
| 05/22/14 | Blueberry Twilight Meeting/3rd Annual Meeting/Hammonton, New Jersey   | Late-season blueberry insect pests   | 20 min Lec. | 60 |
| 04/24/14 | Ocean Spray Winter Workshop/Chatsworth, New Jersey  | Cranberry toad bug- a "new" pest for NJ. Life history and control options      | 30 min Lec. | 38 |
| 04/24/14 | Blueberry Twilight Meeting/2nd Annual Meeting/Hammonton, New Jersey   | Mid-season blueberry insect pests  | 20 min Lec. | 62 |
| 03/20/14 | Blueberry Twilight Meeting/1st Annual Meeting/Hammonton, New Jersey   | Early-season blueberry insect pests  | 20 min Lec. | 58 |
| 03/06/14 | Blueberry Open House/Annual Meeting/Hammonton, New Jersey   | New tools for managing major insect pests of blueberries                       | 20 min Lec. | 95 |
| 02/05/14 | Vegetable Growers' Association of New Jersey/59th Atlantic Coast Ag Convention & Trade Show/Atlantic City, New Jersey | An overview of research on spotted wing drosophila                             | 30 min Lec. | 52 |
| 02/04/14 | Vegetable Growers' Association of New Jersey/59th Atlantic Coast Ag Convention & Trade Show/Atlantic City, New Jersey | Spotted wing drosophila- Little fly, big problem!                              | 30 min Lec. | 45 |
| 01/30/14 | Mid-Atlantic Fruit and Vegetable Convention/Annual Meeting/Hershey, Pennsylvania                                      | Integrated management of insect pests in blueberries                           | 30 min Lec. | 94 |
| 01/29/14 | Mid-Atlantic Fruit and Vegetable Convention/Annual Meeting/Hershey, Pennsylvania                                      | Getting the most out of SWD control measures                                   | 45 min Lec. | 85 |
| 01/23/14 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey                                  | New tools to control insect pests of cranberries                               | 25 min Lec. | 55 |
| 08/15/13 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey                                  | Recent research in cranberry entomology  | 25 min Lec. | 60 |
| 06/05/13 | Cranberry Twilight Meeting/Chatsworth, New Jersey   | Cranberry insect pest management   | 20 min Lec. | 42 |
| 05/30/13 | Blueberry Twilight Meeting/3rd Annual Meeting/Hammonton, New Jersey   | Late-season blueberry insect pests   | 20 min Lec. | 65 |
| 04/24/13 | Blueberry Twilight Meeting/2nd Annual Meeting/Hammonton, New Jersey   | Mid-season blueberry insect pests  | 20 min Lec. | 63 |
| 03/28/13 | Blueberry Twilight Meeting/1st Annual Meeting/Hammonton, New Jersey   | Early-season blueberry insect pests  | 20 min Lec. | 52 |
| 03/21/13 | Ocean Spray Winter Workshop/Chatsworth, New Jersey  | Integrating reduced-risk insecticides into cranberry IPM                       | 20 min Lec. | 35 |
| 03/14/13 | Blueberry Open House/Annual Meeting/Hammonton, New Jersey   | Ongoing research for managing spotted wing drosophila                          | 25 min Lec. | 98 |
| 02/06/13 | Vegetable Growers' Association of New Jersey/58th Atlantic Coast Ag   | Spotted wing drosophila- an update   | 20 min Lec. | 55 |



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|          | Convention & Trade Show/Atlantic City, New Jersey   |  |             |     |
| 01/24/13 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey                                  | Evaluation of new insecticides against lepidopteran pests  | 25 min Lec. | 56  |
| 01/30/13 | Mid-Atlantic Fruit and Vegetable Convention/Annual Meeting/Hershey, Pennsylvania                                      | Manejo integrado de las principales plagas de insectos del arandano  | 45 min Lec. | 25  |
| 01/30/13 | Mid-Atlantic Fruit and Vegetable Convention/Annual Meeting/Hershey, Pennsylvania                                      | Integrated management of major pests of blueberries  | 45 min Lec. | 96  |
| 08/16/12 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey                                  | On-going research and insecticide trials for cranberry pests   | 20 min Lec. | 20  |
| 05/29/12 | Blueberry Twilight Meeting/3rd Annual Meeting/Hammonton, New Jersey   | Late-season insect pests   | 20 min Lec. | 63  |
| 04/24/12 | Blueberry Twilight Meeting/2nd Annual Meeting/Hammonton, New Jersey   | Mid-season blueberry insect pests  | 20 min Lec. | 58  |
| 03/27/12 | Blueberry Twilight Meeting/1st Annual Meeting/Hammonton, New Jersey   | Early-season blueberry insect pests  | 30 min Lec. | 62  |
| 03/22/12 | Ocean Spray Winter Workshop/Annual Meeting/Chatsworth, New Jersey   | Minimally disruptive chemical control of blunt-nosed leafhopper/development of a degree-day model for <i>Sparganothis sulfureana</i> | 30 min Lec. | 38  |
| 03/13/12 | Blueberry Open House/Annual Meeting/Hammonton, New Jersey   | An update on entomology research in blueberries: Blueberry maggot, aphids, and more  | 20 min Lec. | 95  |
| 01/26/12 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey                                  | Entomology research in cranberries: Fruitworms, stink bugs, and more   | 30 min Lec. | 44  |
| 01/18/12 | Vegetable Growers' Association of New Jersey/57th Atlantic Coast Ag Convention & Trade Show/Atlantic City, New Jersey | Plum curculio update: Results on new monitoring and management strategies  | 20 min Lec. | 62  |
| 08/18/11 | American Cranberry Growers' Association/Annual Summer Meeting/Bordentown, New Jersey                                  | 2011 Entomology research: leafhoppers, fruitworms, and more  | 20 min Lec. | 42  |
| 06/01/11 | Winegrape Twilight Meeting/2nd Annual Meeting/Shamong, New Jersey   | A New Pest Spotted Wing Drosophila, Identification   | 20 min Lec. | 44  |
| 05/31/11 | Winegrape Twilight Meeting/1st Annual Meeting/East Windsor, New Jersey  | A New Pest Spotted Wing Drosophila, Identification   | 5 min Lec.  | 35  |
| 05/24/11 | Blueberry Twilight Meeting/3rd Annual Meeting/Chatsworth, New Jersey  | Late-season blueberry insect pests   | 20 min Lec. | 52  |
| 04/27/11 | Blueberry Twilight Meeting/2nd Annual Meeting/Hammonton, New Jersey   | Mid-season blueberry insect pests  | 20 min Lec. | 55  |
| 03/24/11 | Blueberry Twilight Meeting/1st Annual Meeting/Hammonton, New Jersey   | Early-season blueberry insect pests  | 20 min Lec. | 45  |
| 03/23/11 | Ocean Spray Winter Workshop/Annual Meeting/Chatsworth, New Jersey   | Interaction of cranberry genotype and plant nutrition on insect resistance   | 30 min Lec. | 33  |
| 02/23/11 | Blueberry Open House/Annual Meeting/Hammonton, New Jersey   | New methods for cranberry weevil and plum curculio management in blueberries   | 20 min Lec. | 92  |
| 02/03/11 | Mid-Atlantic Fruit and Vegetable Convention/Annual Meeting/Hershey, Pennsylvania                                      | Plum curculio management in blueberries: New solutions for an old problem  | 30 min Lec. | 95  |
| 01/27/11 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey                                  | Entomology Research in Cranberries: An Update  | 30 min Lec. | 52  |
| 12/08/10 | Great Lakes Fruit, Vegetable, and Farm Market EXPO/Grand Rapids, Michigan   | Managing blueberry maggot using spatially-based tools  | 30 min Lec. | 100 |



|          |   |  |             |     |
|----------|---|--|-------------|-----|
| 08/19/10 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey                                  | 2010 Entomology Research and Trials with New Insecticides                              | 30 min Lec. | 55  |
| 06/17/10 | Cranberry Twilight Meeting/Vincentown, New Jersey   | Current insects of importance to cranberry growers                                     | 30 min Lec. | 35  |
| 05/20/10 | Blueberry Twilight Meeting/3rd Annual Meeting/Chatsworth, New Jersey  | Late-season blueberry insect pests   | 20 min Lec. | 38  |
| 04/22/10 | Blueberry Twilight Meeting/2nd Annual Meeting/Hammonton, New Jersey   | Mid-season blueberry insect pests  | 20 min Lec. | 47  |
| 03/25/10 | Blueberry Twilight Meeting/1st Annual Meeting/Hammonton, New Jersey   | Early-season blueberry insect pests  | 20 min Lec. | 43  |
| 03/24/10 | Ocean Spray Winter Workshop/Annual Meeting/Chatsworth, New Jersey   | Integration of next generation insecticides into cranberry IPM: safe and effective use | 30 min Lec. | 30  |
| 02/18/10 | Blueberry Open House/Annual Meeting/Hammonton, New Jersey   | 2009 Insecticide efficacy trials for blueberry pests                                   | 30 min Lec. | 98  |
| 02/04/10 | Mid-Atlantic Fruit and Vegetable Convention/Annual Meeting/Hershey, Pennsylvania                                      | New reduced-risk strategies for insect pest management in blueberries                  | 30 min Lec. | 130 |
| 01/28/10 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey                                  | Current entomology research in cranberries   | 30 min Lec. | 25  |
| 01/13/10 | Vegetable Growers' Association of New Jersey/55th Atlantic Coast Ag Convention & Trade Show/Atlantic City, New Jersey | Sexual distraction, a tactic for oriental beetle control                               | 30 min Lec. | 43  |
| 08/20/09 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey                                  | 2009 Trials with new insecticides  | 30 min Lec. | 60  |
| 06/04/09 | Cranberry Twilight Meeting/Chatsworth, New Jersey   | What insects to look for in your cranberries   | 30 min Lec. | 33  |
| 05/28/09 | Blueberry Twilight Meeting/3rd Annual Meeting/Hammonton, New Jersey   | Late-season blueberry insect pests   | 20 min Lec. | 48  |
| 04/30/09 | Blueberry Twilight Meeting/2nd Annual Meeting/Hammonton, New Jersey   | Mid-season blueberry insect pests  | 20 min Lec. | 45  |
| 03/26/09 | Blueberry Twilight Meeting/1st Annual Meeting/Chatsworth, New Jersey  | Early-season blueberry insect pests  | 20 min Lec. | 36  |
| 03/12/09 | Ocean Spray Winter Workshop/Annual Meeting/Chatsworth, New Jersey   | Recent advances in chemical control of cranberry insect pests                          | 30 min Lec. | 20  |
| 02/17/09 | Blueberry Open House/Annual Meeting/Hammonton, New Jersey   | Update on insect pest management for blueberries                                       | 30 min Lec. | 43  |
| 02/05/09 | Mid-Atlantic Fruit and Vegetable Convention/Annual Meeting/Hershey, Pennsylvania                                      | Blueberry insect pests and their control   | 30 min Lec. | 110 |
| 01/22/09 | American Cranberry Growers' Association/Annual Winter Meeting/Westampton, New Jersey                                  | Insect update and management   | 30 min Lec. | 33  |
| 01/14/09 | Vegetable Growers' Association of New Jersey/54th Atlantic Coast Ag Convention & Trade Show/Atlantic City, New Jersey | Within-plant and within-field distribution of blueberry thrips                         | 30 min Lec. | 60  |
| 08/21/08 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey                                  | New insecticides for controlling cranberry insect pests                                | 30 min Lec. | 45  |
| 06/05/08 | Blueberry Twilight Meeting/3rd Annual Meeting/Hammonton, New Jersey   | Late-season blueberry insect pests   | 20 min Lec. | 44  |
| 06/04/08 | Cranberry Twilight Meeting/Browns Mills, New Jersey   | Effective insect control in cranberries  | 30 min Lec. | 30  |
| 05/01/08 | Blueberry Twilight Meeting/2nd  | Mid-season blueberry insect pests  | 20 min Lec. | 45  |



|          |   |   |             |     |
|----------|---|---|-------------|-----|
|          | Annual Meeting/Hammonton, New Jersey  |   |             |     |
| 04/03/08 | Blueberry Twilight Meeting/1st Annual Meeting/Chatsworth, New Jersey  | Early-season blueberry insect pests   | 20 min Lec. | 34  |
| 02/25/08 | Blueberry Open House/Annual Meeting/Hammonton, New Jersey   | Insect pest management practices for New Jersey blueberries                                     | 30 min Lec. | 50  |
| 02/22/08 | Ocean Spray Winter Workshop/Annual Meeting/Chatsworth, New Jersey   | Ongoing battles with insect pests   | 30 min Lec. | 25  |
| 01/31/08 | Mid-Atlantic Fruit and Vegetable Convention/Annual Meeting/Hershey, Pennsylvania                                      | Insect pest management practices for highbush blueberries in the northeast US                   | 30 min Lec. | 100 |
| 01/24/08 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey                                  | 2007 Insect pest seasonal occurrence in New Jersey cranberries and what to expect in 2008       | 30 min Lec. | 40  |
| 01/17/08 | Vegetable Growers' Association of New Jersey/53rd Atlantic Coast Ag Convention & Trade Show/Atlantic City, New Jersey | Update on oriental beetle mating disruption in blueberries                                      | 30 min Lec. | 45  |
| 08/16/07 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey                                  | New tools for controlling cranberry insect pests  | 30 min Lec. | 20  |
| 05/24/07 | Blueberry Twilight Meeting/3rd Annual Meeting/Hammonton, New Jersey   | Late-season blueberry insect pests  | 20 min Lec. | 42  |
| 05/24/07 | Cranberry Twilight Meeting/Browns Mills, New Jersey   | Cranberry insect monitoring and control   | 20 min Lec. | 25  |
| 04/26/07 | Blueberry Twilight Meeting/2nd Annual Meeting/Hammonton, New Jersey   | Mid-season blueberry insect pests   | 20 min Lec. | 47  |
| 03/29/07 | Blueberry Twilight Meeting/1st Annual Meeting/Chatsworth, New Jersey  | Early-season blueberry insect pests   | 20 min Lec. | 40  |
| 03/16/07 | Ocean Spray Winter Workshop/Annual Meeting/Chatsworth, New Jersey   | Do insects smell the berries? Implications for pest management                                  | 30 min Lec. | 30  |
| 02/20/07 | Blueberry Open House/Annual Meeting/Hammonton, New Jersey   | Insect control in blueberries with attention to reduced-risk options                            | 30 min Lec. | 44  |
| 02/01/07 | Mid-Atlantic Fruit and Vegetable Convention/Annual Meeting/Hershey, Pennsylvania                                      | Evaluation of new reduced-risk management strategies in blueberries                             | 30 min Lec. | 90  |
| 01/25/07 | American Cranberry Growers' Association/Annual Winter Meeting/Bordentown, New Jersey                                  | Update on cranberry insect pests and their management in New Jersey                             | 30 min Lec. | 35  |
| 01/18/07 | Vegetable Growers' Association of New Jersey/52nd Atlantic Coast Ag Convention & Trade Show/Atlantic City, New Jersey | Seasonal life-history and management of blueberry gall midge and thrips in highbush blueberries | 30 min Lec. | 81  |
| 08/17/06 | American Cranberry Growers' Association/Annual Summer Meeting/Chatsworth, New Jersey                                  | New strategies for monitoring and management of insect pests in cranberries                     | 30 min Lec. | 30  |
| 06/01/06 | Blueberry Twilight Meeting/3rd Annual Meeting/Hammonton, New Jersey   | Late-season blueberry insect pests  | 20 min Lec. | 56  |
| 05/02/06 | Blueberry Twilight Meeting/2nd Annual Meeting/Hammonton, New Jersey   | Mid-season blueberry insect pests   | 20 min Lec. | 43  |
| 03/27/06 | Blueberry Twilight Meeting/1st Annual Meeting/Chatsworth, New Jersey  | Early-season blueberry insect pests   | 20 min Lec. | 27  |
| 02/23/06 | Blueberry Open House/Annual Meeting/Hammonton, New Jersey   | Lessons learned from 3 years of reduced-risk programs in blueberries                            | 30 min Lec. | 55  |
| 01/26/06 | American Cranberry Growers' Association/ Annual Winter Meeting/ Bordentown, New Jersey                                | Impact assessment of reduced-risk IPM strategies for cranberries in New Jersey                  | 30 min Lec. | 33  |
| 01/12/06 | Vegetable Growers' Association of   | Baits and beneficial arthropods in a reduced-risk   | 30 min Lec. | 73  |



|          |   |   |             |    |
|----------|---|---|-------------|----|
|          | New Jersey/ 51st Atlantic Coast Ag Convention & Trade Show/ Atlantic City, New Jersey | IPM program   |             |    |
| 08/18/05 | American Cranberry Growers' Association/Annual Summer Meeting/ Chatsworth, New Jersey | Future directions towards a reduced-risk pest management program in cranberries | 30 min Lec. | 30 |

## MEDIA COVERAGE AND COMMUNICATION

- 2025. When Plants Get Sick, Pests Thrive: The Unseen Battle in Cranberry Bogs <https://www.njmicrobe.org/post/when-plants-get-sick-pests-thrive-the-unseen-battle-in-cranberry-bogs>
- 2025. Salt Flotation to Monitor Spotted-Wing Drosophila Larvae. YouTube Video. <https://www.youtube.com/watch?v=eZwqnLN-Tg4>
- 2025. Blunt-Nosed Leafhoppers and False Blossom Disease: Part I: Biology and Symptom. YouTube Video. <https://www.youtube.com/watch?v=nEujE6nNF58>
- 2025. Blunt-Nosed Leafhoppers and False Blossom Disease: Part II: Grower Interviews. YouTube Video. <https://www.youtube.com/watch?v=Lpwwl9QzIEM>
- 2025. Blunt-Nosed Leafhoppers and False Blossom Disease: Part III: Current Research. YouTube Video. [https://www.youtube.com/watch?v=9vh-eKUt\\_5U](https://www.youtube.com/watch?v=9vh-eKUt_5U)
- 2024. Supporting a “Special” Specialty Crop: [How IR-4 Helps Cranberry Growers Succeed](#).
- 2024. Extension Specialist Cesar Rodriguez-Saona Awarded [USDA Grant for Integrated Pest Management of Blueberry](#)
- 2024. Rutgers Doctoral Student, Jae Kerstetter, [Awarded Prestigious SARE Grant](#)
- 2024. [Growers helping growers avoid a devastating cranberry disease.](#)
- 2023. Wasps That Kill Berry Pest Come to Mid-Atlantic. [Click here.](#)
- 2023. Watch us in “Profiles in STEM with Dr. Rodriguez-Saona” <https://www.youtube.com/watch?v=UO2IGjeRCQY>
- 2023. Fungus versus flies: Following a scent towards insecticide-free pest management. [Click here.](#)
- 2023. Entomology Today [“Hot Competition: Climate Change, Invasive Fly Displace a Native Blueberry Pest”](#)
- 2022. Dr. Rodriguez-Saona was elected [P-IE Section Vice President-Elect for the Entomological Society of America](#)
- 2020. [Students win Prestigious Awards at the Virtual Entomology Society of America's National Meeting](#)
- 2020. Plum curculio: [IPM recommendations.](#)
- 2020. Plant droplets serve as nutrient-rich food for insects (please click each title):
  - [Rutgers Today](#)
  - [EurekAlert!](#)
  - [Newswise](#)
- 2020. Spotted wing drosophila project looks beyond chemical controls for blueberries. Click [here](#).
- 2019. How farmers in New Jersey's Pinelands grapple with the environmental toll of Thanksgiving cranberries. [Click here.](#)
- 2018. Dean's October report, State Board of Ag – Fruit IPM program project, Area-Wide Pest Management Program to Improve Honey Bee Health in Blueberry and Cranberry Pollination Services. [Click Here.](#)
- 2018. Lanternfly migration could mean trouble for New Jersey. [Click here.](#)
- 2018. Entomology Students Honored at Entomology Society Meeting. [Click here.](#)
- 2018. Biopesticide Efficacy Trials Funded by the IR-4 Project (see pages 6-7). [Click here.](#)
- 2016. Biopesticide Program Finds Promising Solutions for Organic Growers (see pages 4-5). [Click Here.](#)
- 2015. Plum Curculio Aggregation Pheromone (see page 6). [Click Here.](#)
- 2015. An Agricultural Balancing Act: A look at the biological control consequences of crop domestication. [Click here.](#)
- 2015. Researchers Seek Ways to Fight Insect. [Click here.](#)



- 2014. Blueberry farmers share latest pest-control strategies in Hammonton. [Click here](#)

## POST-DOCS/VISITING SCHOLARS/STUDENT MENTORING (TOTAL = 82)

### **POST-DOCTORAL RESEARCHERS (TOTAL = 13)**

Zsofia Szendrei (2007–2009)  
 Faruque Zaman (2009–2011)  
 Adam Wallner (2012)  
 Joyce Parker (2012–2013)  
 Sunil Tewari (2013–2014)  
 Elvira de Lange (2013–2015)  
 Johnattan Hernandez-Cumplido (2016–2017)  
 Ana Luiza Viana de Sousa (2017)  
 Diego Silva (2017–2018)  
 Kevin Cloonan (2017–2018)  
 Pablo Urbaneja-Bernat (2019–2020)  
 Patricia Prade (2022–2023)  
 Beth Ferguson (2022–present)

### **GRADUATE STUDENTS (TOTAL = 34)**

#### **PRIMARY GRADUATE STUDENT ADVISOR**

##### Current

Yahel Ben-Zvi (Ph.D. Entomology, Rutgers University)  
 Robert Holdcraft (M.S. Entomology; Rutgers University)  
 Jae Kerstetter (Ph.D. Entomology, Rutgers University)  
 Hao-tian Liu (Ph.D. Entomology, Rutgers University)

##### Completed (YEAR OF GRADUATION)

Diego Fraga (Ph.D. Entomology, Universidade Estadual Paulista (UNESP) Jaboticabal-SP (Brazil), co-advised w/Dr. Antonio Busoli) **(2016)**  
 Jordano Salamanca Bastidas (Ph.D. Entomology, Federal Lavras University (Brazil), co-advised w/Dr. Brigida Souza) **(2016)**  
 Matthew Strom (M.S. non-thesis Ecology and Evolution, Rutgers University) **(2017)**  
 Caryn Michel (M.S. non-thesis Entomology; Rutgers University) **(2018)**  
 Rafael Fonseca Benevenuto (Ph.D. Ecology and Natural Resource Management, Norwegian University of Life Sciences, Norway, co-advised w/Drs. Stein Joar Hegland and Stein R. Moe) **(2019)**  
 Nakorn Pradit (Ph.D. Entomology; Rutgers University) **(2019)**  
 Timothy Lampasona (Ph.D. Entomology, Rutgers University, co-advised w/Dr. Anne Nielsen) **(2022)**  
 Amanda Quadrel (M.S. Entomology, Rutgers University) **(2023)**  
 Chelsea Abegg (M.S. non-thesis Entomology, Rutgers University) **(2023)**, (Ph.D. Entomology, Rutgers University) **(2024)**  
 Jack Collins (M.S. Entomology, Rutgers University) **(2025)**

#### **GRADUATE STUDENT COMMITTEES**

##### Current

Jumana Hayat (Ph.D. Entomology, Rutgers University)  
 Corey Reese (Ph.D. Entomology, University of Florida)

##### Completed (YEAR OF GRADUATION)

Aabir Banerji (Ph.D. Ecology & Evolution; Rutgers University) **(2011)**  
 Richard Hung (Ph.D. Plant Biology & Pathology; Rutgers University) **(2013)**  
 John Abraham (Ph.D. Management of Mountain Environment-Specialization in Insect Chemical Ecology-Free University of Bolzano) **(2014)**  
 Faye Benjamin (Ph.D. Ecology & Evolution; Rutgers University) **(2015)**  
 Lauren Weidner (Ph.D. Entomology; Rutgers University) **(2015)**  
 Elizabeth Davidson-Lowe (M.S. Entomology, Michigan State University) **(2016)**



Amanda Purwar (Ph.D. Entomology; Rutgers University) **(2016)**  
Monique Rivera (Ph.D. Entomology; Rutgers University) **(2016)**  
Sahil Wadhwa (Ph.D. Biological Sciences; Rutgers University) **(2017)**  
Chen Zha (Ph.D. Entomology, Rutgers University) **(2017)**  
Ulianova Vidal Gomez (Ph.D. Entomology; Purdue University) **(2017)**  
Jeffrey Brown (Ph.D. Ecology and Evolution, Rutgers University) **(2019)**  
George Condon (Ph.D. Entomology; Rutgers University) **(2019)**  
Sirley Palacios (Ph.D. Science-Biology; Universidad del Valle, Colombia) **(2019)**  
James Occi (Ph.D. Entomology; Rutgers University) **(2022)**  
Devin Kreitman (M.S. Entomology, Rutgers University) **(2023)**  
Mateo Rull-Garza (M.S. Plant and Soil Sciences, University of Massachusetts Amherst) **(2025)**  
Grayson Tung (Ph.D. Entomology, Rutgers University) **(2025)**

**UNDERGRADUATE STUDENTS (TOTAL = 23)**

**UNDERGRADUATE THESIS COMMITTEES**

Laurie Francoeur (Biology, Rutgers University, 2017)

**CHAIR, HONORS THESIS, GEORGE COOK SCHOLARS PROGRAM**

Tovi Bass (Rutgers University, 2025)

**READER, HONORS THESIS, GEORGE COOK SCHOLARS PROGRAM**

Emma Bottomley (Entomology, Rutgers University, 2025)

Richard Bennett (Biochemistry, Rutgers University, 2019)

**UNDERGRADUATE INTERNS (2005-PRESENT)**

Heidi Sponsler (Stockton College, 2007)

John Bolton (Rutgers University, 2008)

Kendrick Brown (Rowan University, 2009)

Jeff Antoniewicz (Rutgers University, 2009)

Veronica Williamson (Rutgers University, 2010)

Carly Chapel (Eckerd College, 2010)

Tara Egan (Stockton College, 2011)

Brian Tilton (Stockton College, 2012)

Gabrielle Pintauro (Stockton College, 2014)

Hylarie Boscan Ortiz (Rutgers University, 2015)

Richard Bennett (Rutgers University, 2017)

Alexander Bowers (Rutgers University, 2017)

Courtney Mazzola (Rutgers University, 2017 & 2018)

Timothy W. Schwanitz (Rutgers University, 2020 & 2021)

Sophie Olsen (Stockton University, 2022)

Tovi Bass (Rutgers University, 2023)

Patrick Broderick (Rutgers University, 2024)

**UNDERGRADUATE SUPERVISOR (2001-2004)**

Syed Habeeb (University of Toronto, Canada, 2003-2004)

Sherosha Raj (University of Toronto, Canada, 2002-2003)

Jennifer Chalmers (University of Toronto, Canada, 2001-2002)

**INTERNATIONAL VISITING STUDENTS AND SABBATICAL AND FULBRIGHT SCHOLARS (TOTAL = 12)**

Dr. Edi Malo (Departamento de Entomología Tropical, El Colegio de la Frontera Sur (ECOSUR), Chiapas, México). 1-year Sabbatical (2006).

Dr. Chinnasamy Durairaj (Department of Agricultural Entomology, Tamil Nadu Agricultural University, Coimbatore, India). Fulbright Scholar (2008).

Dr. A. R. Prasad (Indian Institute of Chemical Technology Hyderabad, India). Visiting Scientist (June 2010).

Dr. Gemma Albendín García (Centro IFAPA Las Torres-Tomejil, Sevilla, Spain). Visiting Scientist



(July–August 2013).

Dr. Ming-Hui Wang (Institution of Biodiversity, School of Ecology and Environmental Science, Yunnan University, Kunming, China). Visiting Scientist (May–November 2024).

Manuel Alejandro Chacón (Universidad de La Frontera, Chile). Ph.D. Student (March–August 2014).

Fernando Sánchez Pedraza (Universidad Autónoma Agraria Antonio Narro, Saltillo, Coahuila, Mexico). Visiting Student (April–August 2015, May–September 2016). M.S. Student (July–August 2018, June–August 2019).

Andrea Carolina Wanumen Riaño (Universidad Politécnica de Madrid, Spain). Ph.D. Student (May–August 2015).

Dagmara Gomes Ramalho (Departamento de Biologia, Universidade de São Paulo, Ribeirão Preto, Brazil). Ph.D. Student (August–November 2016).

Paolo Salazar (Universidade Estadual Paulista (UNESP) Jaboticabal-SP, Brazil). M.S. Student (June–September 2017).

Paolo Salazar (University of São Paulo, Piracicaba-SP, Brazil). Ph.D. Student (April–August 2022, April–September 2023).

Vanessa Garzón Tovar (Universidad Nacional Abierta y a Distancia–UNAD, Bogotá, Colombia). Undergraduate Student (April–July 2019).

Giovanna Jiménez (Universidad Nacional Abierta y a Distancia–UNAD, Bogotá, Colombia). Undergraduate Student (April–July 2019).

## COURSES TAUGHT

**INSECT ECOLOGY & EVOLUTION (ENTOMOLOGY DEPARTMENT).** SPRING 2024–PRESENT. RUTGERS UNIVERSITY. CO-TAUGHT WITH DR. ANNE NIELSEN AND DR. DINA FONSECA.

**INSECT ECOLOGY & EVOLUTION (ENTOMOLOGY DEPARTMENT).** SPRING 2023. RUTGERS UNIVERSITY. CO-TAUGHT WITH DR. CHLOE HAWKINGS AND DR. DINA FONSECA.

**INSECT BIOLOGY (ENTOMOLOGY DEPARTMENT).** FALL 2015–2018. RUTGERS UNIVERSITY

**RESEARCH PROBLEMS IN ENTOMOLOGY (ENTOMOLOGY DEPARTMENT).** SPRING 2015. RUTGERS UNIVERSITY

- On "Plant-Insect Interactions"

**SPECIAL TOPICS (ENTOMOLOGY DEPARTMENT).** FALL 2023. RUTGERS UNIVERSITY

- On "Classical Readings in Entomology"

**SPECIAL TOPICS (ENTOMOLOGY DEPARTMENT).** SPRING 2014, 2016, 2017. RUTGERS UNIVERSITY

- On "Plant-Insect Interactions"

**SPECIAL TOPICS (ECOLOGY & EVOLUTION DEPARTMENT).** SPRING 2008. RUTGERS UNIVERSITY

- On "Trait-mediated Indirect Effects in Plants".

**PROBLEMS IN ECOLOGY (ECOLOGY & EVOLUTION DEPARTMENT).** SPRING 2007. RUTGERS UNIVERSITY

- On "Plant-provided Food for Insect Natural Enemies".

**ENTOMOLOGY SEMINAR.** FALL 2007, FALL 2012, FALL 2016, SPRING 2020, SPRING 2025. RUTGERS UNIVERSITY

## INVITED LECTURES AT RUTGERS UNIVERSITY

**ECOLOGICAL FIELD TECHNIQUES.** SPRING 2022–2024. Rutgers University.

- On "Entomological Research in Blueberries and Cranberries ". (Dr. Henry John-Alder, Course Instructor).

**CAREERS & PROFESSIONAL DEVELOPMENT.** SPRING 2024. RUTGERS UNIVERSITY

- On "Careers in Extension" (Dr. Dina Fonseca, Course Instructor).

**CAREERS & PROFESSIONAL DEVELOPMENT.** SPRING 2021 (VIRTUAL LECTURE), SPRING 2023. RUTGERS UNIVERSITY

- On "The Satisfactions of a Job in Extension Entomology" (Dr. Chloe Hawkins, Course Instructor).

**INSECT-PLANT INTERACTIONS.** FALL 2017. RUTGERS UNIVERSITY

- On "Multitrophic Interactions and Trophic Cascades" –2 Lectures. (Dr. Lena Brattsten, Course Instructor).
- On "Intraspecific Plant Communication". (Dr. Lena Brattsten, Course Instructor).

**WORLD OF INSECTS.** FALL 2016, 2017, 2018. RUTGERS UNIVERSITY

- On "Insect Chemical Communication". (Dr. Frank Carle, Course Instructor).

**INSECT STRUCTURE AND FUNCTION, PHYSIOLOGY.** SPRING 2012, 2014, 2016, 2018. RUTGERS UNIVERSITY

- On "Insect Chemical Ecology, Laboratory". (Dr. Lena Brattsten, Course Instructor).

**AGRICULTURAL ENTOMOLOGY AND PEST MANAGEMENT.** SPRING 2006–2024. RUTGERS UNIVERSITY



- On "Blueberry Insect Pests and Control". (Dr. George Hamilton, Course Instructor).
- On "Cranberry Insect Pests and Control". (Dr. George Hamilton, Course Instructor).

**INSECT ECOLOGY.** SPRING 2020. RUTGERS UNIVERSITY

- On "Herbivory". (Dr. Anne Nielsen, Course Instructor).

**INSECT ECOLOGY.** SPRING 2014, 2016. RUTGERS UNIVERSITY

- On "Insect Chemical Ecology". (Dr. Anne Nielsen, Course Instructor).

**INSECT ECOLOGY.** FALL 2012. RUTGERS UNIVERSITY

- On "Pests and Biological Control". (Dr. Rachael Winfree, Course Instructor).

**INSECT ECOLOGY.** SPRING 2008. RUTGERS UNIVERSITY

- On "Insect Chemical Ecology". (Dr. James Lashomb, Course Instructor).

**SPECIAL SEMINAR (ECOLOGY & EVOLUTION DEPARTMENT).** FALL 2007–2008, 2012–2015. RUTGERS UNIVERSITY

- On "Chemical Ecology of Multi-trophic Interactions" (2007–2008). (Dr. Peter Morin, Course Instructor).
- On "Tri-trophic Interactions in Agricultural Systems" (2012–2014). (Dr. Julie Lockwood, Course Instructor).
- On "Tri-trophic Interactions in Agricultural Systems" (2015). (Dr. Nina Fefferman, Course Instructor).

## INVITED LECTURES AT OTHER INSTITUTIONS

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**PLANT-ANIMAL INTERACTIONS.** SPRING 2023. Western Illinois University.

- "Tri-trophic Interactions in Agricultural Systems". (Dr. Richard Musser, Course Instructor).

**EL IMPACTO DE UNA PLAGA INVASORA EN EL MANEJO INTEGRADO DE PLAGAS (THE IMPACT OF AN INVASIVE PEST IN INTEGRATED PEST MANAGEMENT).** VIRTUAL LECTURE. JUNE 2021. UNIVERSIDAD DE CONCEPCIÓN, CHILLÁN. CHILE (DR. GONZALO IVÁN SILVA AGUAYO, COURSE INSTRUCTOR).

**CHEMICAL ECOLOGY AND INTEGRATED PEST MANAGEMENT.** VIRTUAL LECTURE. MAY 2021, JUNE 2022, JUNE 2023, OCTOBER 2024, AUGUST 2025. UNIVERSIDADE DE FRANCA, BRAZIL (DR. MARIELI VACARI, COURSE INSTRUCTOR).

**TRITROPHIC INTERACTIONS.** SPRING 2014. Michigan State University.

- "Role of Herbivore-induced Plant Volatiles in Within Plant Signaling". (Dr. Zsafia Szendrei, Course Instructor).

**BIOLOGICAL CONTROL.** SPRING 2005. Michigan State University.

- "Interactions between Plants, Herbivores, and Natural Enemies of Herbivores". (Dr. Douglas Landis, Course Instructor).

**INSECT-PLANT INTERACTIONS.** SPRING 2004. Western Illinois University.

- "Effects of Plants on Herbivores and their Natural Enemies: Integrating Real-world Complexity". (Dr. Richard Musser, Course Instructor).

## TEACHING ASSISTANT

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Insect Behavior - FALL 1996. University of California, Riverside.

Insect Ecology - WINTER 1997. University of California, Riverside.

Micro-techniques in Insect Morphology - WINTER 1998. University of California, Riverside.

## INVITED WORKSHOPS

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**WORKSHOP ON NUTRITION AND PLANT HEALTH FOR SUSTAINABLE BERRY PRODUCTION.** Organizer: Dr. Salvador Ordaz Silva. August 2025. Universidad Autónoma de Baja California, San Quintín, México.

- Lectures on "Integrated Management of Insect Pests in Blueberries" and "Advances in Integrated Pest Management of Spotted-Wing Drosophila".

**WORKSHOP ON IPM IN FRUIT CROPS.** Organizer: Dr. Shirley Palacios-Castro. April 2025. Santa Rosa de Cabal University Corporation (UNISARC), Santa Rosa de Cabal, Colombia.

- Lectures on "Use of Semiochemicals in the Control of Agricultural Pests", "Successes and Challenges in Blueberry Pest Management", and "Biology, Ecology, and Management of Spotted-Wing Drosophila".

**INTERNATIONAL CHEMICAL ECOLOGY SHORT COURSE.** Organizer: Dr. Jared Ali. June 2024. Penn State University, University Park, Pennsylvania, USA.

- Lecture on "Applications of Plant Volatiles in Insect Pest Management".

**YUNNAN FVF-IPM JOINT LAB AND THE INTERNATIONAL SYMPOSIUM ON IPM OF MAJOR AGRICULTURAL INVASIVE**



**INSECT PESTS.** Organizer: Dr. Peng Han. October 2023. Yunnan University, Kunming, China.

- Lecture on “Advances in Behavior-based Management Strategies for *Drosophila suzukii*”.

**WORKSHOP ON BLUEBERRY IPM AND STATUS OF SPOTTED WING DROSOPHILA.** Organizer: Dr. Salvador Ordaz Silva. November 2019. Universidad Autónoma de Baja California, San Quintín, México.

- Lectures on “Blueberry IPM”, “Advances in Blueberry Pest Management”, “Spotted Wing *Drosophila*: Biology, Ecology, and Management”, and “Monitoring Blueberry Insect Pests with Special Attention on Spotted Wing *Drosophila*”.

**WORKSHOP ON CHEMICAL ECOLOGY AND IPM: THEORY AND PRACTICE.** Organizer: Ms. Dagmara Gomes Ramalho. February 2018. University of São Paulo, Ribeirão Preto, Brazil.

- Lectures on “Theory of Chemical Ecology”, “Multitrophic Level Interactions”, “Volatile-mediated Communication in Plants”, “Applied Research on Insect Chemical Ecology”, “IPM: Theory”, “Blueberry IPM”, and “Cranberry IPM”.

**WORKSHOP ON CHEMICAL ECOLOGY OF MULTITROPHIC INTERACTIONS.** Organizers: Drs. M. Fernanda G.V. Peñaflor and Brigida Souza. March 2016. University of Lavras, Lavras, Brazil.

- Lectures on “Tritrophic Level Interactions: Theory and Practice”, “Volatile-mediated Communication in Plants”, and “Applied Research on Insect Chemical Ecology”.

**WORKSHOP ON BIOLOGICAL CONTROL.** Organizers: Drs. Mark S. Hoddle and David H. Headrick. July 1997. University of California, Riverside.

- Lecture on “Biology, Ecology, Taxonomy, and Importance of Coccinellids”.

#### EXTENSION TRAINING COURSES/WEBINARS TAUGHT

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|------|---|
| 2025 | Webinar panelist: EntoMentos: An Introduction to Publishing with ESA. Sponsored by the Entomological Society of America.  |
| 2025 | Webinar panelist: Integrating classical biological control for spotted-wing drosophila. Sponsored by the Organic SWD Management Project, USDA National Institute for Food and Agriculture (NIFA) Organic Agriculture Research and Extension Initiative (OREI).  |
| 2023 | Webinar panelist: July What's Bugging You First Friday on SWD and spiders. Sponsored by the New York State IPM Program. (In Spanish).   |
| 2022 | Webinar panelist: Advances in behavior-based tactics for management of spotted-wing drosophila. Sponsored by the Sustainable SWD Management SCRI Project, USDA National Institute for Food and Agriculture (NIFA) Specialty Crops Research Initiative (SCRI).   |
| 2021 | Webinar panelist: Monitoring and sampling tools to improve spotted-wing drosophila management. Sponsored by the Sustainable SWD Management SCRI Project, USDA National Institute for Food and Agriculture (NIFA) Specialty Crops Research Initiative (SCRI).  |
| 2021 | Webinar panelist: The use of plant volatiles for biological control of pests (El uso de volátiles de plantas para el control biológico). 2nd Latin American Forum of Agro-business. Faculdades Associadas de Uberaba - FAZU Uberaba.  |
| 2021 | Webinar panelist: First Thursday Webinar Series: Maximizing your ESA Membership: ESA Publications, Entomological Society of America.  |
| 2021 | Webinar panelist: Blueberry insect IPM: Advances and challenges. NE Blueberry Educational Session hosted by Miller Chemical.  |
| 2021 | Webinar panelist: First Thursday Webinar Series: Maximizing your ESA Membership: ESA Committees, Entomological Society of America.  |
| 2020 | Webinar panelist: A decade of SWD: Lessons for management. Sponsored by the Sustainable SWD Management SCRI Project, USDA National Institute for Food and Agriculture (NIFA) Specialty Crops Research Initiative (SCRI).  |
| 2020 | Webinar panelist: How to Serve on an ESA Committee. Sponsored by the Entomological Society of America.  |
| 2019 | Field Day: Monitoring and Behavioral Control of Spotted-Wing <i>Drosophila</i> . 40th Anniversary of the Opening of the USDA-ARS Appalachian Fruit Research Station (AFRS). Kearneysville, West Virginia.   |
| 2019 | Webinar panelist: Manejo integrado de insectos plaga en arándanos: Retos y logros (Integrated insect pest management in blueberries: Challenges and successes). 1er Foro Internacional de Agricultura Resiliente y Sostenible. IV Encuentro Internacional Virtual y Académico de Ciencias Ambientales. Universidad Nacional Abierta y a Distancia (UNAD). Bogotá, Colombia. |
| 2016 | Webinar panelist: Spotted wing drosophila: Current monitoring tools PROS and CONS. Sponsored by SENASA, Lima, Peru/NC State U.  |



- 2015 Webinar panelist: Spotted wing drosophila integrated pest management. Sponsored by Marrone Bio Innovations.
- 2014 Webinar panelist: Spotted wing drosophila research. Sponsored by the Canadian SWD working group.
- 2013 Webinar panelist: Spotted wing drosophila research. Sponsored by the Canadian SWD working group.
- 2013 Workshop: Blueberry Growers School. Integrated Management of Major Pests of Blueberries. Sponsored by Penn State Extension and Penn State Department of Plant Sciences.
- 2011 Field Day: Blueberry IPM Training. Location: Adams County Winery, Adams County, Pennsylvania. Course offered with Pennsylvania State University, Department of Horticulture.
- 2010 Field Day: Blueberry IPM Training. Location: Dymonds Farm and Farm Market, Luzerne County, Pennsylvania. Course offered with Pennsylvania State University, Department of Horticulture.
- 2009 Workshop: Blueberry IPM. Location: PE Marucci Blueberry/Cranberry Center, Chatsworth, New Jersey.
- 2009 Field Day: Blueberry IPM Training. Location: Perry Acres, Berks County, Pennsylvania. Course offered with Pennsylvania State University, Department of Horticulture.
- 2008 Workshop: Blueberry IPM Scout Training. Location: Frog Rock Inn, Hammonton, New Jersey. Course offered with Michigan State University.
- 2007 Workshop: Canadian Export Training for Blueberry Growers. Location: PE Marucci Blueberry/Cranberry Center. Chatsworth, New Jersey. Course offered with the New Jersey Department of Agriculture.

## PATENTS

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- Rutgers Patent #18/946,703 (provisional application). "Compositions and Methods for Controlling Drosophila Flies". Investors: Drs. **Rodriguez-Saona**, Rering, Quadrel, and Urbaneja-Bernat.
- UC Patent # 6133313. 2000. "Insecticidal Avocadofurans and Triolein". Inventors: Drs. Trumble, **Rodriguez-Saona**, Thompson, Platt, and Millar.

## HONORS AND AWARDS

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- 2025 Award for Excellence in Integrated Pest Management. Entomological Society of America.
- 2025 Award for Excellence in Integrated Pest Management. Entomological Society of America Eastern Branch.
- 2023 (Team Award) P-IE Integrated Pest Management Team Award. Sustainable SWD Management Team. Entomological Society of America Plant-Insect Ecosystems (P-IE) Section.
- 2021 Outstanding Faculty Award. The Undergraduate Club in Entomology. Department of Entomology. Rutgers University.
- 2021 (Team Award) Recipient of the Friends of IPM Award to the "Sustainable SWD Management Team" by the Southern IPM Center.
- 2017 (Team Award) Recipient of the Educational Institution and Federal Laboratory Partnership Award for "Specialty Crop Initiative Coordinated Agricultural Project: The BMSB". Federal Laboratory Consortium for Technology Transfer Mid-Atlantic Region.
- 2015 (Team Award) Recipient of the International IPM Award for Recognition. StopBMSB Program. 8<sup>th</sup> International IPM Symposium. Salt Lake City, Utah.
- 2011 (Team Award) Recipient of the Distinguished Service to New Jersey Agriculture Award. Team Award (Rutgers Fruit IPM Program). New Jersey Farm Bureau.
- 2009 Recipient of the Merle V. Adams Award for Outstanding Achievement. Rutgers Cooperative Extension.
- 1999 Pacific Branch ESA Winner of the John Henry Comstock Award. 83rd Annual Meeting Pacific Branch of the ESA. Eugene, Oregon.
- 1998 First Place Ph.D. Oral Presentation. Student Seminar Day. Department of Entomology. University of California, Riverside.
- 1998-99 James & Margaret Lesley Annual Prize. University of California, Riverside.
- 1998 First Place Oral Presentation. Ph.D. Competition. 82<sup>nd</sup> Annual Meeting Pacific Branch of the ESA. Honolulu, Hawaii.
- 1997 President's Prize. Honorable Mention. Section Fa Poster Presentation. ESA Annual Meeting. Nashville, Tennessee.



- 1996-1997 Outstanding Teaching Assistant. Department of Entomology. University of California, Riverside.
- 1996 First Place Oral Presentation. Ph.D. Competition. 80<sup>th</sup> Annual Meeting Pacific Branch of the ESA. Big Sky, Montana.
- 1995 First Runner-Up Oral Presentation. Ph.D. Competition. 79<sup>th</sup> Annual Meeting Pacific Branch of the ESA. San Diego, California.
- 1990 Second Place Class of 1990 (2<sup>nd</sup> semester). Graduating Class. Universidad Nacional Agraria. Lima, Peru.
- 1990 First Place Class of 1990 (2<sup>nd</sup> semester). School of Biological Sciences. Universidad Nacional Agraria. Lima, Peru.

#### GRANTS (**GRAND TOTAL = \$9,415,805**)

##### **Competitive External (Total = \$5,920,595)**

- 2025-2026 NJ Department of Agriculture. Specialty Crop Block Grant (SCBG). Optimizing Application Rates: Multidisciplinary Approaches for Pesticide Testing. **C. Rodriguez-Saona (PD)**, P. Oudemans, T. Besançon. \$ 40,000.
- 2025-2026 NJ Department of Agriculture. Specialty Crop Block Grant (SCBG). Multidisciplinary Approach for Optimizing Pesticide Application Rates for Blueberry. T. Besançon (PD), **C. Rodriguez-Saona**, P. Oudemans. \$ 39,925.
- 2025-2028 USDA NIFA 1890 Institution Teaching, Research, and Extension Capacity Building Grants Program. Developing and Implementing Green Pesticides to Monitor and Manage the Invasive Spotted-wing Drosophila (SWD) in Berry Production. S. Zebelo (PD), T. Tolosa, N. Dixit, and **C. Rodriguez-Saona (Rutgers co-PD)**. \$ 100,000 (NJ portion).
- 2024-2026 USDA NIFA Crop Protection and Pest Management (CPPM). Improving Management of a Key Insect Pest of Blueberries through Optimization of Pollination Services. **C. Rodriguez-Saona (PD)**, B. Ferguson, J. Shope, R. Govindasamy, P. Oudemans. \$ 199,783.
- 2024-2025 Western Integrated Pest Management Center. Inspiring Change in Western Cranberry Grower Renovation Habits to Prevent Invasive False Blossom Disease and Blunt-nosed Leafhopper. L. Kraft (PD) and **C. Rodriguez-Saona (Rutgers co-PD)**. \$ 16,217 (NJ portion).
- 2022-2025 USDA Organic Research and Extension Initiative (OREI). On-farm Integration of Organic Management of Spotted-wing Drosophila in Fruit Crops. P. Fanning (PD), **C. Rodriguez-Saona (Rutgers co-PI)**, R. Isaacs, A. Sial, M. Rogers, etc. \$ 175,000 (NJ portion).
- 2022-2025 USDA Sustainable Agriculture Research & Education (SARE) Research for Novel Approaches. Exploring Novel Natural Products for the Development of Push-Pull Systems to Manage Spotted-wing Drosophila. **C. Rodriguez-Saona (PD)**. \$199,868.
- 2021-2024 USDA NIFA Crop Protection and Pest Management (CPPM). Classical Biological Control for Spotted-wing Drosophila in the Northeastern United States. P. Fanning (PD), **C. Rodriguez-Saona (Rutgers co-PD)**, G. Loeb. \$ 100,000 (NJ portion).
- 2021 Project *Apis m.* Effects of In-bloom Fungicides and Interactions with Varroa Miticides on Honey Bee Colonies used in NJ Highbush Blueberry Pollination. D. Polk (PD), **C. Rodriguez-Saona**. \$ 37,920.
- 2020-2024 USDA Specialty Crop Research Initiative (SCRI). Moving from Crisis Response to Long-term Integrated Management of SWD: A keystone Pest of Fruit Crops in the United States. Principal Investigators: A. Sial (PD), **C. Rodriguez-Saona (Rutgers co-PD)**, R. Isaacs, H. Burrack, G. Loeb, V. Walton, etc. \$ 300,000 (NJ portion)
- 2020-2023 NJ Department of Agriculture. Specialty Crop Block Grant (SCBG). Breeding Cranberry Varieties for Rot Resistance, Lowered Fruit Acidity; Experimentation to Reduce Insecticide / Fungicide Use. P. Oudemans (PD), **C. Rodriguez-Saona**, N. Vorsa. \$ 39,478.
- 2020-2023 NJ Department of Agriculture. Specialty Crop Block Grant (SCBG). Reducing Honey Bee Losses During Blueberry Pollination Services. D. Polk (PD), **C. Rodriguez-Saona**, C. Abegg. \$ 40,000.
- 2019-2021 USDA Sustainable Agriculture Research & Education (SARE) Partnership Grant. Alternative and Organic Management Practices to Control Oriental beetle in Commercial Blueberries. D. Polk (PD), **C. Rodriguez-Saona**, C. Denson. \$ 29,848.
- 2018-2021 USDA NIFA Crop Protection and Pest Management (CPPM). Leveraging Pest Behavior for



- Implementation of Biological Control for Plum Curculio. A. Nielsen (PD), **C. Rodriguez-Saona**, C. Akotsen-Mensah, B. Blaauw, T. Leskey, D. Shapiro-Ilan, D. Polk. \$ 324,998.
- 2018-2021 USDA Organic Research and Extension Initiative (OREI). Furthering the development and implementation of systems-based organic management strategies for spotted wing drosophila. Principal Investigators: A. Sial (PD), **C. Rodriguez-Saona (Rutgers Co-PD)**, R. Isaacs, M. Grieshop, K. Daane, etc. \$ 145,000 (NJ Portion).
- 2018-2021 USDA Sustainable Agriculture Research & Education (SARE). An Area-wide Pest Management Program to Improve Honey Bee Health in Blueberry and Cranberry Pollination Services. Principal Investigators: D. Polk (PD), **C. Rodriguez-Saona**, T. Schuler, D. vanEngelsdorp, J. Katz. \$ 199,975.
- 2016-2018 USDA Northeast Region-IPM Working Group. Spotted Wing Drosophila Working Group to Identify and Prioritize Research and Extension Needs. Principal Investigators: J. Carroll (PI), G. Loeb, **C. Rodriguez-Saona**, A. Nielsen, D. Polk. \$ 20,000.
- 2016-2018 USDA Sustainable Agriculture Research & Education (SARE). Refining an Attracticidal Sphere Management System for Spotted Wing Drosophila in Small Fruit Production. Principal Investigators: T. Leskey (PD), **C. Rodriguez-Saona (Rutgers Co-PD)**, A. Nielsen, R. Morrison, K. Rice. \$ 60,000 (NJ Portion).
- 2015-2019 USDA Specialty Crop Research Initiative (SCRI). Sustainable Spotted Wing Drosophila Management for United States Fruit Crops. Principal Investigators: H. Burrack (PD), **C. Rodriguez-Saona (Rutgers co-PD)**, R. Isaacs, A. Sial, G. Loeb, V. Walton, etc. \$ 331,480 (NJ portion).
- 2015-2018 USDA Crop Protection and Pest Management (CPPM). Managing an Invasive Drosophilid Species in Agriculture using Innovative Behavioral Manipulation Strategies. Principal Investigators: **C. Rodriguez-Saona (PI)**, T. Leskey, A. Nielsen, A. Zhang, and G. Loeb. \$300,000.
- 2014-2016 USDA Specialty Crop Research Initiative (SCRI). Biology, Ecology, and Management of the Brown Marmorated Stink Bug in orchard crops, small fruit, vegetables, and ornamentals. Principal Investigators: T. Leskey (PD), G. Hamilton (Rutgers co-PD), **C. Rodriguez-Saona**, D. Polk, A. Nielsen. \$576,951 (NJ portion).
- 2014-2015 IR-4 Biopesticide. Efficacy of Phyllom BeetleGONE! for oriental beetle in blueberries. Principal Investigators: **C. Rodriguez-Saona (PI)** and D. Polk. \$20,000.
- 2014-2015 USDA Northeast Region-IPM Working Group. Spotted Wing Drosophila Working Group to Update and Prioritize Research and Extension Needs. Principal Investigators: G. Loeb (PI), J. Carroll, **C. Rodriguez-Saona**, A. Nielsen, D. Polk. \$10,000.
- 2013-2015 USDA NE IPM. A Novel Attract-and-kill Approach for Managing the Invasive Spotted Wing Drosophila in Multiple Small Fruit Crops. Principal Investigators: **C. Rodriguez-Saona (PI)**, A. Nielsen, T. Leskey, A. Zhang. \$175,000.
- 2013-2014 New York Greengrass Association. Towards Sustainable Management of the Annual Bluegrass Weevil. Principal Investigators: A.M. Koppenhöfer, O. Kostromyska, **C. Rodriguez-Saona**. \$19,947.
- 2013-2014 USDA Northeast Region-IPM Working Group. Spotted Wing Drosophila Working Group to Update and Prioritize Research and Extension Needs. Principal Investigators: G. Loeb (PI), J. Carroll, **C. Rodriguez-Saona**, D. Polk. \$9,993.
- 2013-2014 OJ Noer Research Foundation. Advancing Integrated Management of Annual Bluegrass Weevil. Principal Investigators: A. Koppenhofer (PI), O. Kostromyska, **C. Rodriguez-Saona**. \$20,400.
- 2012-2014 USDA Pest Management Alternatives Program (PMAP). An Integrated Multi-Tactic Approach for Managing Native Weevil Pests of Multiple U.S. Fruit Crops. Principal Investigators: **C. Rodriguez-Saona (PI)**, T. Leskey, and A. Nielsen. \$200,000.
- 2012-2014 USDA NE IPM. Spotted wing drosophila management. Principal Investigators: R. Cowles (PI), D.W. Li, S. Alm, G. Loeb, **C. Rodriguez-Saona**, P. Landolt. \$161,985 (\$24,000 NJ portion).
- 2012-2013 USDA Northeast Region-IPM Working Group. Spotted Wing Drosophila Working Group to Identify and Prioritize Research and Extension Needs. Principal Investigators: G. Loeb (PI), J. Carroll, **C. Rodriguez-Saona**, D. Polk. \$14,992.
- 2011-2014 USDA Specialty Crop Research Initiative (SCRI). Biology, Ecology, and Management of the Brown Marmorated Stink Bug in orchard crops, small fruit, vegetables, and ornamentals.



- Principal Investigators: Tracy Leskey (PD), G. Hamilton (Rutgers co-PD), **C. Rodriguez-Saona**, D. Polk, A. Nielsen, D. Ward \$750,000 (NJ portion).
- 2011-2012 IR-4 Biopesticide. Field-wide Oriental Beetle Mating Disruption in Blueberries: A New, More Realistic Approach for Its Control. Principal Investigators: **C. Rodriguez-Saona (PI)** and D. Polk. \$18,500.
- 2011-2013 EPA Region 2, Pesticide Environmental Stewardship Program. Implementing IPM-based tools to increase adoption of reduced-risk insecticides in cranberries. Principal Investigators: **C. Rodriguez-Saona (PI)** and F. Zaman. \$53,000.
- 2010-2012 USDA Crops-At-Risk (CAR). Integrating Applied Insect Ecology into Blueberry Pest Management. Principal Investigators: R. Isaacs (PI), **C. Rodriguez-Saona**, and D. Polk. \$554,558.
- 2009-2011 USDA Sustainable Agriculture Research & Education (SARE). Spatially Based Whole-Farm Integrated Crop Management (ICM) Systems for Northeast Highbush Blueberry Production. Principal Investigators: **C. Rodriguez-Saona (PI)**, D. Polk, P. Oudemans, G. Pavlis, B. Majek, K. Demchak, J. Harper, and A. DeMarsay. \$180,000.
- 2008-2009 IR-4 Biopesticide. Flowable SPLAT OB for mating disruption of the oriental beetle. Principal Investigators: **C. Rodriguez-Saona (PI)** and D. Polk. \$18,000.
- 2007-2009 USDA-CSREES Northeastern Region IPM Competitive Grant. Development and Implementation of Novel trapping Systems for Monitoring Cranberry Fruitworm and Cranberry Weevil Populations. Principal Investigators: **C. Rodriguez-Saona (PI)**, R. Isaacs, A. Averill, and L. Stelinski. \$130,000.
- 2007-2008 IR-4 Biopesticide. Optimization of Pheromone Dosage for Oriental Beetle Mating Disruption in Commercial Blueberries. Principal Investigators: **C. Rodriguez-Saona (PI)** and D. Polk. \$16,000.
- 2006-2007 USDA-CSREES Northeastern Region IPM Competitive Grant. Isolation and Identification of Host-plant Attractants for Cranberry Weevil and Cranberry Fruitworm. Principal Investigators: **C. Rodriguez-Saona (PI)**. \$50,000.
- 2006-2008 EPA Region 2, Food Quality Protection Act/Strategic Agricultural Initiative Program. Impact Assessment of Reduced-Risk Pest Management Strategies for Cranberries in New Jersey. Principal Investigators: **C. Rodriguez-Saona (PI)** and L. Meyer. \$96,200.
- 2005-2007 EPA Region 2, Food Quality Protection Act/Strategic Agricultural Initiative Program. A Blueberry Reduced Risk Integrated Crop Management System- BRRICMS- for New Jersey. Principal Investigators: D. Polk (PI), **C. Rodriguez-Saona**, and L. Meyer. \$118,300.
- 2003-2005 USDA Forest Service State and Private Forestry, Forest Health Protection, Special Technology Development Program (STDP) Grant. Project Number NA-2003-02. Development of Detection and Monitoring Techniques for the Emerald Ash Borer. Principal Investigators: T. Poland (PI), D. McCullough, R. A. Haack, and **C. Rodriguez-Saona**. \$164,762.
- 1997 Graduate Dean's Dissertation Research Grant. University of California, Riverside. \$500.

*Due to the unfortunate death of Dr. S. Polavarapu, Dr. Rodriguez-Saona replaced him on the following grant:*

- 2002-2006 USDA-CSREES RAMP. Development and implementation of reduced-risk pest management strategies for blueberries. Principal Investigators: Sridhar Polavarapu (PI) (**C. Rodriguez-Saona**), R. Isaacs, and F. Drummond. \$998,990

**Competitive Internal (Total = \$145,103)**

- 2022-2023 John and Anne Gerwig Director's Fund for Rutgers Cooperative Extension. Determining Current Pollination Services for Blueberry Growers in New Jersey. Principal Investigator: **C. Rodriguez-Saona**. \$1,000.
- 2021-2022 John and Anne Gerwig Director's Fund for Rutgers Cooperative Extension. Effects of Pesticides Used in Blueberry Production on Honey Bee Colony Health. Principal Investigator: **C. Rodriguez-Saona**. \$1,000.
- 2012-2013 Rutgers Center for Turfgrass Science. Towards sustainable management of the annual bluegrass weevil. Principal Investigators: A. M. Koppenhöfer (PI), O. Kostromytska, S.A. Bonos, and **C. Rodriguez-Saona**. \$35,000
- 2011-2012 Rutgers Center for Turfgrass Science. Annual bluegrass weevil IPM: Plant



- resistance/tolerance and semiochemicals for monitoring and management. Principal Investigators: A. M. Koppenhöfer (PI), O. Kostromytska, **C. Rodriguez-Saona**, S.A. Bonos. \$90,000
- 2009-2010 Pre-tenure Faculty Career Development Award. Rutgers University. Improving Entomopathogenic Nematode Attraction to Oriental Beetle Grubs through the Use of Root Volatiles. Principal Investigator: **C. Rodriguez-Saona**. \$13,103
- 2008-2009 Internal Hatch Competitive Award. Constitutive and Inducible Resistance for Management of Cranberry Insect Pests. Rutgers New Jersey Agricultural Experiment Station. Principal Investigators: **C. Rodriguez-Saona (PI)** and N. Vorsa. \$5,000

**Non-competitive (Total = \$2,033,526)**

- 2024-2025 USDA Cooperative Agreement. Effects of Insect Herbivory in Blueberry and Transmission of False Blossom Disease in Cranberry. Principal Investigators: James Polashock (PI) and **C. Rodriguez-Saona (co-PI)**. \$75,963.
- 2010-2011 USDA-CSREES Special Grant. Cranberry and Blueberry Breeding, Disease and Insect Management. Principal Investigators: **C. Rodriguez-Saona (PI)**, P. Oudemans, N. Vorsa, A. Howell, and J. Polashock. \$511,868
- 2009-2010 USDA-CSREES Special Grant. Cranberry and Blueberry Breeding, Disease and Insect Management. Principal Investigators: **C. Rodriguez-Saona (PI)**, P. Oudemans, N. Vorsa, A. Howell, and J. Polashock. \$420,462
- 2008-2009 USDA-CSREES Special Grant. Cranberry and Blueberry Breeding, Disease and Insect Management. Principal Investigators: P Oudemans (PI), **C. Rodriguez-Saona**, N. Vorsa, A. Howell, T. Michael, and J. Polashock. \$424,490
- 2006-2007 USDA-CSREES Special Grant. Cranberry and Blueberry Breeding, Disease and Insect Management. Principal Investigators: P Oudemans (PI), **C. Rodriguez-Saona**, N. Vorsa, A. Howell, and J. Polashock. \$600,743

**Grants-in-Aid and Service Fees (Total = \$1,316,581)**

- 2025 Evaluate efficacy of Certis fungicide for control of SWD in Blueberry. Certis Biologicals. **C. Rodriguez-Saona**. \$10,000
- 2025 Testing spotted-wing drosophila attractants and repellents and a bee foraging attractant. BedoukianBio. **C. Rodriguez-Saona** and B. Ferguson. \$37,404
- 2025 Testing Plinazolin® technology against blueberry and cranberry insect pests. Syngenta. **C. Rodriguez-Saona**. \$33,000
- 2025-2026 Rapid response strategies for cranberry false blossom disease: Short-term detection and mitigation approaches. **C. Rodriguez-Saona**, T. Besançon, P. Oudemans, G. Sideli, J. Neyhart, J. Polashock, L. Wells-Hansen, and L. Holland. \$80,564 (Entomology portion)
- 2025-2026 Impact of freeze events on pollen germination and pollen tube growth in blueberry. New Jersey Blueberry Research Council Inc. B. Ferguson and **C. Rodriguez-Saona**. \$8,000
- 2025-2026 Testing new insecticides against old and emerging insect pests. Cranberry Institute, Cape Cod Cranberry Growers Association, and Ocean Spray Cranberries, Inc. **C. Rodriguez-Saona** and L. Wells-Hansen. \$15,150
- 2024 Testing Plinazolin® technology against blueberry and cranberry insect pests. Syngenta. **C. Rodriguez-Saona**. \$33,000
- 2024-2025 Investigations on degree-day models, chemical controls, and disease transmission to better manage insect pest. New Jersey Cranberry Research Council Inc., Cape Cod Cranberry Growers Association, and Ocean Spray Cranberries, Inc. **C. Rodriguez-Saona**, J. Polashock, L. Wells-Hansen, and J. Shope. \$19,000
- 2024-2025 Testing new control strategies for two key pests of blueberries. New Jersey Blueberry Research Council Inc. **C. Rodriguez-Saona** and R. Holdcraft. \$8,000
- 2024-2025 Improving blueberry yields through targeted honey bee arrival. New Jersey Blueberry Research Council Inc. B. Ferguson, **C. Rodriguez-Saona**, and J. Shope. \$6,000
- 2023-2024 Testing new IPM tactics against cranberry insect pests: Chemical control, biological control, and host-plant resistance. New Jersey Cranberry Research Council Inc., Cape Cod Cranberry Growers Association, and Ocean Spray Cranberries, Inc. **C. Rodriguez-Saona**, J. Polashock, and L. Wells-Hansen. \$19,000
- 2023-2024 Testing new chemical, behavioral, and biological control tactics to manage spotted-wing



drosophila. New Jersey Blueberry Research Council Inc. **C. Rodriguez-Saona**, B. Ferguson, P. Prade, and R. Holdcraft. \$14,000

2023 Plinazolin® formulation comparison against spotted-wing drosophila, plum curculio, blunt-nosed leafhoppers, and *Sparganothis* fruitworm. Syngenta. **C. Rodriguez-Saona**. \$20,000

2023 Efficacy of Verdepryn against plum curculio. Summitagro. **C. Rodriguez-Saona**. \$5,000

2023-2024 IR-4 Integrated Solutions. IR-4 Minor Crop Pest Management Program. Control of spotted wing drosophila on highbush blueberry. **C. Rodriguez-Saona**. \$13,889

2022-2023 Testing alternative control tactics against cranberry insect pests: Biological control and host-plant resistance. New Jersey Cranberry Research Council Inc., Cranberry Institute, Cape Cod Cranberry Growers Association, and Ocean Spray Cranberries, Inc. **C. Rodriguez-Saona**, H. Doering, A. Gordon, L. Wells-Hansen, and J. Neyhart. \$18,000

2022-2023 Testing new behavioral and biological control tactics to manage spotted-wing drosophila. New Jersey Blueberry Research Council Inc. **C. Rodriguez-Saona**, P. Prade, R. Holdcraft, and V. Kyryczenko-Roth. \$10,000

2022 Plinazolin formulation comparison against spotted-wing drosophila. Syngenta. **C. Rodriguez-Saona**. \$9,000

2022-2023 IR-4 Integrated Solutions. IR-4 Minor Crop Pest Management Program. Control of spotted wing drosophila on highbush blueberry. **C. Rodriguez-Saona**. \$12,500

2021 Efficacy trials in blueberries and cranberries. Valent/Nichino America/Vestaron. **C. Rodriguez-Saona**. \$25,000

2021-2022 Evaluation of new insecticides and cranberry resistance against blunt-nosed leafhoppers. New Jersey Cranberry Research Council Inc., Cape Cod Cranberry Growers Association, and Ocean Spray Cranberries, Inc. **C. Rodriguez-Saona** and L. Wells-Hansen. \$18,000

2021-2022 New alternatives for aphid and plum curculio control. New Jersey Blueberry Research Council Inc. **C. Rodriguez-Saona** and A. Koppenhöfer. \$7,500

2020 Efficacy trials in blueberries. Nichino America. **C. Rodriguez-Saona**. \$4,000

2019-2020 Testing novel resistance-based approaches to reduce false blossom disease in cranberries. New Jersey Cranberry Research Council Inc., Cape Cod Cranberry Growers Association, Cranberry Institute, and Ocean Spray Cranberries, Inc. **C. Rodriguez-Saona** and J. Polashock. \$15,000

2019-2020 Investigations on the effects of fungicides on honey bee larval brood. New Jersey Blueberry Research Council Inc. **C. Rodriguez-Saona** and D. Polk. \$9,000

2019-2020 Efficacy trials in blueberries. FMC. **C. Rodriguez-Saona**. \$5,000

2018-2019 IR-4 Biopesticide Grants. IR-4 Minor Crop Pest Management Program. Spotted wing drosophila/blueberries- attract and kill. **C. Rodriguez-Saona**. \$26,000

2018 Efficacy trials in blueberries. Bayer/Valent/ISCA Technologies Inc. **C. Rodriguez-Saona**. \$33,000

2018-2019 Research on blunt-nosed leafhoppers: A historic threat to cranberries. New Jersey Cranberry Research Council Inc., Cape Cod Cranberry Growers Association, and Ocean Spray Cranberries, Inc. **C. Rodriguez-Saona**. \$15,000

2018-2019 Evaluation of novel 'attract-and-kill' technologies for spotted wing drosophila control. New Jersey Blueberry Research Council Inc. **C. Rodriguez-Saona** and K. Cloonan. \$5,000

2017-2018 IR-4 Biopesticide Grants. IR-4 Minor Crop Pest Management Program. Spotted wing drosophila/blueberries- attract and kill. **C. Rodriguez-Saona**. \$12,000

2017 Efficacy trials in blueberries. Valent/ISCA Technologies Inc. **C. Rodriguez-Saona**. \$25,000

2017-2018 Screening for insecticides against sucking insect pests of cranberries – YEAR 2. New Jersey Cranberry Research Council Inc., Cape Cod Cranberry Growers Association, and Ocean Spray Cranberries, Inc. **C. Rodriguez-Saona**. \$15,000

2017-2018 Evaluation of SPLAT SWD, a novel 'attract-and-kill' formulation for spotted wing drosophila control - YEAR 2. New Jersey Blueberry Research Council Inc. **C. Rodriguez-Saona**. \$6,500

2016-2017 IR-4 Biopesticide Grants. IR-4 Minor Crop Pest Management Program. **C. Rodriguez-Saona**. \$15,000

2016 Efficacy trials in blueberries. Dow AgroSciences/DuPont. **C. Rodriguez-Saona**. \$8,000

2016-2017 Screening for insecticides against sucking insect pests of cranberries. New Jersey Cranberry Research Council Inc., Cranberry Institute, Cape Cod Cranberry Growers Association, and Ocean Spray Cranberries, Inc. **C. Rodriguez-Saona**. \$14,000



2016-2017 Evaluation of SPLAT SWD, a novel 'attract-and-kill' formulation for spotted wing drosophila control. New Jersey Blueberry Research Council Inc. **C. Rodriguez-Saona**. \$7,000

2015-2016 Two "new" insect pests of cranberries: Toad bugs and mirid. New Jersey Cranberry Research Council Inc./Ocean Spray. **C. Rodriguez-Saona**. \$44,500

2015-2016 On-farm evaluation of management programs and application methods to control SWD. New Jersey Blueberry Research Council Inc. **C. Rodriguez-Saona** and D. Polk. \$12,500

2015-2016 IR-4 Biopesticide Grants. IR-4 Minor Crop Pest Management Program. **C. Rodriguez-Saona**. \$20,000

2015 Efficacy trials in blueberries and cranberries. Marrone Bio Innovations/ISK Biosciences/Bayer/Dow AgroSciences/DuPont/Agriphar Crop Solutions. **C. Rodriguez-Saona**. \$46,000

2014-2015 Integrated research for sustainable insect pest management in cranberries: Year 2. New Jersey Cranberry Research Council Inc., Cranberry Institute, Cape Cod Cranberry Growers Association, Canadian Cranberry Growers Coalition, and Ocean Spray Cranberries, Inc. **C. Rodriguez-Saona**. \$47,500

2014-2015 Spotted Wing Drosophila: An urgent need for effective monitoring and management tools: Year 3. New Jersey Blueberry Research Council Inc. **C. Rodriguez-Saona** and D. Polk. \$10,000

2014 Efficacy trials in blueberries and cranberries. Nichino America/ Cheminova/ AMVAC/ UPI/ DuPont/ ChemTura/ Dow AgroSciences/ Valent/ ISK Biosciences Co./ ISCA Technologies. **C. Rodriguez-Saona**. \$57,600

2014-2015 Evaluation and integration of behavioral approaches with conventional control to manage key insect pests of blueberries. New Jersey Blueberry Research Council Inc. (Specialty Crop Block Grant). **C. Rodriguez-Saona**. \$33,667

2013-2015 Effective semiochemical management of the oriental beetle for small blueberry grower. USDA SBIR. A. Mafra-Neto and **C. Rodriguez-Saona**. \$40,000 (NJ Portion)

2013-2014 Spotted Wing Drosophila: An urgent need for effective monitoring and management tools: Year 2. New Jersey Blueberry Research Council Inc. **C. Rodriguez-Saona** and Dean Polk. \$10,000

2013-2014 Integrated research for sustainable insect pest management in cranberries. New Jersey Cranberry Research Council Inc., Cranberry Institute, Cape Cod Cranberry Growers Association, Canadian Cranberry Growers Coalition, and Ocean Spray Cranberries, Inc. **C. Rodriguez-Saona**. \$50,000

2013 Efficacy trials in blueberries and cranberries. Bayer CropScience/ UPI/DuPont /ChemTura/Dow/Valent/Marrone Bio/ISK Biosciences Co. **C. Rodriguez-Saona**. \$35,000

2012-2013 Spotted wing drosophila in New Jersey: An urgent need for effective monitoring and management. New Jersey Blueberry Research Council Inc. (Specialty Crop Block Grant). **C. Rodriguez-Saona**. \$32,254

2012 Efficacy trials in blueberries and cranberries. Bayer CropScience/ UPI/DuPont /ChemTura/Dow/Valent. **C. Rodriguez-Saona**. \$22,500

2012-2013 Spotted Wing Drosophila: An urgent need for effective monitoring and management tools. New Jersey Blueberry Research Council Inc. **C. Rodriguez-Saona** and D. Polk. \$18,122

2012-2013 Development of a degree-day model to better time insecticide sprays against *Sparganothis* fruitworm: YEAR 2. New Jersey Cranberry Research Council Inc. **C. Rodriguez-Saona** and Dan Schiffhauer. \$8,186

2012-2013 Screening and evaluating newer and safer management materials for spotted fireworm, and continued assessment of Brown Marmorated Stink Bug survival and damage on cranberries. Cranberry Institute/Ocean Spray. **C. Rodriguez-Saona**. \$5,561

2011 Effective semiochemical management of the oriental beetle for the small blueberry grower. ISCA Technologies Inc. **C. Rodriguez-Saona**. \$20,000

2011 Efficacy trials in blueberries and cranberries. Bayer CropScience/UPI/DuPont/ChemTura/ Dow. **C. Rodriguez-Saona**. \$35,000

2011-2012 Evaluating new tools to better monitor and control plum curculio populations in blueberries: Year 2. New Jersey Blueberry Research Council Inc. **C. Rodriguez-Saona**, D. Polk, F. Zaman, and T. Leskey. \$10,278

2011-2012 Development of a degree-day model to better time insecticide sprays against *Sparganothis* fruitworm. New Jersey Cranberry Research Council Inc. **C. Rodriguez-Saona** and D.



|           |  |
|-----------|--|
|           | Schiffhauer. \$8,278   |
| 2011-2012 | Screening and evaluating newer and safer management materials for <i>Sparganothis</i> fruitworm and assessing Brown Marmorated Stink Bug survival and damage on cranberries. Cranberry Institute. <b>C. Rodriguez-Saona</b> . \$7,278                              |
| 2010      | Efficacy trials in blueberries and cranberries. Bayer CropScience/ UPI/ DowAgrosciences/ DuPont/ ChemTura/ FMC. <b>C. Rodriguez-Saona</b> . \$26,000   |
| 2010-2011 | Evaluating new tools to better monitor and control plum curculio populations in blueberries. New Jersey Blueberry Research Council Inc. <b>C. Rodriguez-Saona</b> , D. Polk, F. Zaman, T. Leskey, and J. Wise. \$10,000  |
| 2010-2011 | Evaluating cranberry resistance to insect pests and color traps for monitoring blunt-nosed leafhopper populations. New Jersey Cranberry Research Council Inc. <b>C. Rodriguez-Saona</b> , N. Vorsa, J. Johnson-Cicalese, J. Davenport, and D. Schiffhauer. \$7,778 |
| 2010-2011 | Evaluation of new reduced-risk insecticides for efficacy against <i>Sparganothis</i> fruitworm, a key pest of cranberries. Cranberry Institute. <b>C. Rodriguez-Saona</b> . \$5,186  |
| 2009      | Efficacy trials in blueberries and cranberries. Bayer CropScience/ UPI/ DowAgrosciences / DuPont/ ChemTura/ AgraQuest. <b>C. Rodriguez-Saona</b> . \$22,400  |
| 2009-2010 | Development of new strategies for better monitoring pest populations and timing insecticide sprays in cranberries. New Jersey Cranberry Research Council Inc. <b>C. Rodriguez-Saona</b> . \$9,000  |
| 2009-2010 | Development of new strategies for blueberry maggot, <i>Rhagoletis mendax</i> , control. New Jersey Blueberry Research Council Inc. <b>C. Rodriguez-Saona</b> . \$4,000   |
| 2009-2010 | Screening for newer, safer, and effective materials for leafhopper and grub control. Cranberry Institute. <b>C. Rodriguez-Saona</b> . \$5,732  |
| 2008      | Efficacy trials in blueberries and cranberries. Bayer CropScience/ UPI/ DowAgrosciences/ DuPont. <b>C. Rodriguez-Saona</b> . \$20,000  |
| 2008-2009 | Evaluation of new insecticides for efficacy against blueberry pests. New Jersey Blueberry Research Council Inc. <b>C. Rodriguez-Saona</b> . \$6,976  |
| 2008-2009 | Survey of native wild bees and their habitat requirements in the New Jersey Pine Barrens as providers of supplemental pollination services for cranberries. New Jersey Cranberry Research Council Inc. <b>C. Rodriguez-Saona</b> . \$7,278                         |
| 2008-2009 | Evaluation of new insecticides for efficacy against cranberry pests. Cranberry Institute. <b>C. Rodriguez-Saona</b> . \$5,360  |
| 2007      | Efficacy trials in blueberries and cranberries. Bayer CropScience / CerexAgri / Gowan / Syngenta / MANA. <b>C. Rodriguez-Saona</b> . \$12,000  |
| 2007-2008 | Evaluation of new reduced-risk insecticides for cranberry insect pests. Cranberry Institute. <b>C. Rodriguez-Saona</b> . \$3,360   |
| 2007-2008 | Evaluation of insecticide residues in cranberries. New Jersey Cranberry Research Council Inc. <b>C. Rodriguez-Saona</b> . \$9,460  |
| 2007-2008 | Within field distribution of blueberry thrips and timing of insecticide applications. New Jersey Blueberry Research Council Inc. <b>C. Rodriguez-Saona</b> . \$6,360   |
| 2006      | Efficacy trials in blueberries and cranberries. Bayer CropScience / DowAgroSciences/ CerexAgri/DuPont. <b>C. Rodriguez-Saona</b> . \$14,500  |
| 2006-2007 | Evaluation of new reduced-risk insecticides for cranberry insect pests. Cranberry Institute. <b>C. Rodriguez-Saona</b> . \$5,360   |
| 2006-2007 | Development and enhancement of monitoring techniques for new blueberry insect pests in NJ. New Jersey Blueberry Research Council Inc. <b>C. Rodriguez-Saona</b> and A. Zhang. \$6,000  |

#### GRANTS BY POST-DOCS AND GRADUATE STUDENTS (TOTAL = \$84,131)

|      |   |
|------|---|
| 2024 | USDA SARE Graduate Student Grant Program. Back to nature: searching for novel sources of host-plant resistance against spotted-wing drosophila. Jae Kerstetter (PhD student). \$14,975            |
| 2022 | USDA SARE Graduate Student Grant Program. Monitoring beneficial insects with plant volatiles: A landscape approach. Yahel Ben-Zvi (PhD student). \$14,984   |
| 2020 | USDA SARE Graduate Student Grant Program. Honey bee responses to blueberry fungicides and Varroa miticides while used in NJ blueberry pollination services. Chelsea Abegg (PhD student). \$15,000 |



- 2012 USDA SARE Graduate Student Grant Program. Landscape effects on spatial distribution and movement of brown marmorated stink bug in peach orchards. Noel Hahn (PhD student). \$14,179
- 2011 USDA SARE Graduate Student Grant Program. Assessing nematode diversity in natural and managed blueberry habitats. Monique Rivera (PhD student). \$14,993
- 2009 USDA SARE Partnership Grant Program. Integrating cover crops into sustainable highbush blueberry production in New Jersey. Zsafia Szendrei (Post-doc). \$10,000

## ACADEMIC AND COMMUNITY SERVICE

### International Level

#### *Editorial Duties*

- Associate Editor for *Frontiers in Agronomy-Pest Management* (2019-2025).
- Member of the Editorial Board for *Journal of Pest Science* (2020-present).
- Member of the Editorial Board for the *Journal of Economic Entomology* (2019-present).
- Member of the Editorial Board for the *Journal of Chemical Ecology* (2018-present).
- Member of the Editorial Board for *Insects* (2020-2023).
- Member of the Editorial Board for *PLoS ONE* (2012-2017).
- Member of the Editorial Board for *Psyche: A Journal of Entomology* (2012-2019).
- Member of the Publishing Committee for the *Revista Colombiana de Entomología* (2020-present).
- Subject Editor for the *Journal of Economic Entomology*, *Horticultural Entomology* (2014-present).
- Subject Editor for *Environmental Entomology*, *Chemical Ecology* (2023-present).
- Subject Editor for the *Journal of Insect Science* (2014-2022).
- Subject Editor for the *Revista Ecológica Aplicada* (*Journal of Applied Ecology*). La Molina, Lima, Perú (2003-present).
- Review Editor for *Frontiers in Ecology and Evolution–Chemical Ecology* (2013-present).
- Review Editor for *Frontiers in Ecology and Evolution–Behavioral and Evolutionary Ecology* (2023-present).
- International Editorial Advisory Panel for the *International Journal of Pest Management* (2014-present).
- Feature Editor for *Journal of Economic Entomology* Special Collection on “De-coding the role of insect communication in sustainable agriculture.” Co-edited with Drs. Justin George and Rupesh Kariyat (2025).
- Feature Editor for *Journal of Economic Entomology* Special Collection on “Recent advances in biological control of spotted-wing drosophila *Drosophila suzukii*.” Co-edited with Drs. Xingeng Wang, Paul K. Abram, Jana C. Lee, and Kent M. Daane (2024).
- Feature Editor for *Journal of Economic Entomology* Special Collection on “Research Advances in Spotted-Wing Drosophila Management.” Co-edited with Drs. Frank Zalom and Jana Lee (2021).
- Guest Editor for *Entomologia Generalis* Special Issue on “System-level integrated studies to increase the adoption of ‘green’ IPM tactics”. Co-edited with Drs. Peng Han, Myron Zalucki, Kris Wyckhuys, and Nicolas Desneux (2024).
- Guest Editor for *Journal of Chemical Ecology*, Special Research Topic on “Exploring the impact of plant domestication on chemically mediated trophic interactions.” Co-edited with Dr. Betty Benrey (2024).
- Guest Editor for *Frontiers in Agronomy–Pest Management*, Special Research Topic on “Latest Research Advances in Biology, Ecology, and Integrated Pest Management of Invasive Insects.” Co-edited with Drs. Mohannad Ismail, Salvatore Arpaia, and Elena Costi (2024).
- Guest Editor for *Current Opinion in Insect Science*, Special Issue on “Research Advances on Plant-Derived Food Sources in Biological Control.” Co-edited with Drs. Pablo Urbaneja Bernat and Alejandro Tena (2024).
- Guest Editor for *Frontiers in Ecology and Evolution–Chemical Ecology*, Special Research Topic on “Insights in Chemical Ecology: 2022.” Co-edited with Dr. Stefano Colazza (2022).
- Guest Editor for *Frontiers in Sustainable Food Systems–Crop Biology and Sustainability*, Special Research Topic on “Integrated Pest Management Strategies for Sustainable Food Production.” Co-edited with Drs. Surendra K. Dara and Rob Morrison (2022).
- Guest Editor for *Frontiers in Ecology and Evolution–Chemical Ecology*, Special Research Topic on



“Research Advances on *Drosophila suzukii*.” Co-edited with Drs. John Abraham, Sergio Angeli, Josephine Antwi (2021).

- Guest Editor for *Frontiers in Ecology and Evolution*—Chemical Ecology, Special Research Topic on “Chemical Ecology and Conservation Biological Control.” Co-edited with Drs. Stefano Colazza, Maria L. Pappas, and Anne Marie Cortesero (2021).
- Guest Editor for *Frontiers in Agronomy*—Pest Management, Special Research Topic on “Advances in Crop Resistance for Insect Pest Control.” Co-edited with Drs. Surendra K. Dara and Elvira de Lange (2020).
- Guest Editor for the journal *Insects*, Special Issue on “Insect Sensory Ecology and Applications for Pest Management.” Co-edited with Dr. Jaime C. Piñero (2020).

#### *Reviewer Duties*

- External Reviewer for the Agence Nationale de la Recherche (ANR). France. 2025.
- External Reviewer for the Canada Research Chairs (CRC) Program. Canada. 2024.
- External Reviewer for The Swiss National Science Foundation. Switzerland. 2024.
- External Reviewer for the Comisión Sectorial de Investigación Científica (CSIC). Universidad de la República, Uruguay. 2023.
- External Reviewer for the Biotechnology and Biological Sciences Research Council (BBSRC). United Kingdom. 2020.
- External Reviewer for the Natural Sciences and Engineering Research Council of Canada (NSERC). 2019.
- External Referee for the Netherlands Organisation for Scientific Research (NOW, the Dutch Research Council). The Netherlands. 2008, 2021.
- External Referee for the ETH Zurich Research Commission. Switzerland. 2019.
- External Referee for The Research Foundation - Flanders (FWO). Brussels, Belgium. 2018.
- External Referee for The United States – Israel Binational Agricultural Research and Development Fund (BARD). Israel. 2010.
- Member of the National Sciences and Engineering Research Council of Canada (NSERC) Site Visit Committee (SVC) for the review of the Industrial Research Chairs - Regular - Research (IRCPJ). Canada. 2019.
- External Ad-hoc Reviewer for 94 Peer-Reviewed Journals in Entomology, Ecology, Behavior, Plant Science, and Pest Management since 1997: (1) *Acta Physiologiae Plantarum*, (2) *African J. of Biotechnology*, (3) *Agriculture, Ecosystems and Environment*, (4) *Agricultural and Forest Entomology*, (5) *Agronomy*, (6) *Allelopathy Journal*, (7) *Annals of Applied Biology*, (8) *Annals of Botany*, (9) *Animal Behaviour*, (10) *Arthropod-Plant Interactions*, (11) *Behavior Genetics*, (12) *Behavioral Ecology*, (13) *Biocontrol Science & Technology*, (14) *BioControl*, (15) *Biological Control*, (16) *Bulletin of Entomological Research*, (17) *Bulletin of Insectology*, (18) *CABI Agriculture and Bioscience*, (19) *Canadian J. of Forest Research*, (20) *Chemoecology*, (21) *Communications Biology*, (22) *Crop Protection*, (23) *Current Biology*, (24) *Current Opinion in Insect Science*, (25) *Current Zoology*, (26) *Ecology*, (27) *Ecology and Evolution*, (28) *Ecological Applications*, (29) *Ecological Entomology*, (30) *Entomologia Experimentalis et Applicata*, (31) *Entomologia Generalis*, (32) *Environmental Entomology*, (33) *Florida Entomologist*, (34) *Forest Ecology and Management*, (35) *Frontiers in Ecology and Evolution*, (36) *Frontiers in Plant Science*, (37) *Functional Ecology*, (38) *HortScience*, (39) *International Journal of Molecular Sciences*, (40) *International J. of Pest Management*, (41) *Insects*, (42) *Insect Science*, (43) *iScience*, (44) *Journal of Advanced Research*, (45) *Journal of Agricultural and Food Chemistry*, (46) *Journal of Agricultural and Urban Entomology*, (47) *Journal of Animal Ecology*, (48) *Journal of Apicultural Research*, (49) *Journal of Applied Ecology*, (50) *Journal of Applied Entomology*, (51) *Journal of Chemical Ecology*, (52) *Journal of Economic Entomology*, (53) *Journal of Ecology*, (54) *Journal of the Entomological Research Society*, (55) *Journal of Entomology and Nematology*, (56) *Journal of Food Science*, (57) *Journal of Insect Behavior*, (58) *Journal of Integrated Pest Management*, (59) *Journal of Integrative Agriculture*, (60) *Journal of Pest Science*, (61) *Journal of Plant Diseases and Protection*, (62) *Journal of Pollination Ecology*, (63) *Journal of Plant Ecology*, (64) *Journal of Visualized Experiments*, (65) *Molecular Ecology*, (66) *Natural Product Communications*, (67) *Nature Communications*, (68) *Nature Plants*, (69) *New Phytologist*, (70) *Oecologia*, (71) *Oikos*, (72) *PeerJ*, (73) *Pest Management Science*, (74) *Philosophical Transactions B*, (75) *Physiological Entomology*, (76) *Phytoparasitica*, (77) *Planta*, (78) *Plant Biology*, (79) *Plant Cell*



Reports, (80) Plant-Environment Interactions, (81) Plant Signaling & Behavior, (82) PLoS ONE, (83) PNAS, (84) Proceedings of the Royal Society B: Biological Sciences, (85) Revista Ciencia e Investigación Agraria, (86) Revista Colombiana de Entomología, (87) Revista Ecológica Aplicada, (88) Science of the Total Environment, (89) Scientific Reports-Nature, (90) The Canadian Entomologist, (91) The Great Lakes Entomologist, (92) The ISME Journal, (93) The Science of Nature (formerly Naturwissenschaften), (94) Trends in Plant Science.

#### *Committees*

- Past-President of the International Organization for Biological Control (IOBC), Nearctic Regional Section. 2020-present.
- President of the International Organization for Biological Control (IOBC), Nearctic Regional Section. 2018-2020.
- President-Elect of the International Organization for Biological Control (IOBC), Nearctic Regional Section. 2016-2018.
- Vice-President of the International Organization for Biological Control (IOBC), Nearctic Regional Section. 2015-2016.
- Member of the International Society of Chemical Ecology Executive Committee. 2025-present.
- Member of the Distinguished Scientist Award Committee for the International Organization for Biological Control (IOBC), Nearctic Regional Section, Governing Board. 2015-2016.
- Member of the Early Career Award Committee for the International Organization for Biological Control (IOBC), Nearctic Regional Section, Governing Board. 2013-2016.
- Member of the International Organization for Biological Control (IOBC), Nearctic Regional Section, Governing Board. Member-at-Large. 2012-2015.
- Member of the Scientific Committee for the XXV Reunión Argentina de Ecología (XXV Argentine Meeting of Ecology). 2012.

#### *Meeting and Symposia Organizer*

- Symposium Co-Organizer (with Drs. Pablo Urbaneja-Bernat and Alejandro Tena). “Advances on Plant-Derived Food Sources in Biological Control”. XXVII International Congress of Entomology, Kyoto, Japan. 2024.
- Symposium Co-Organizer (with Dr. Betty Benrey). “Consequences of Plant Domestication on Plant Metabolites and Herbivore-natural enemy Interactions”. 38th Annual Meeting of the International Society of Chemical Ecology. Bengaluru, India. 2023.
- Co-Organizer (with Drs. Lindsay Wells-Hansen and Jeffrey Neyhart (Chairs), Jennifer Johnson-Cicalese, Peter Oudemans, Thierry Besancon, and James Polashock) of the North American Cranberry Research & Extension Workers (NACREW) Conference, Galloway, New Jersey. 2023.
- Co-Organizer (with Drs. James Polashock (Chair), Gary Pavlis, Nicholi Vorsa, Peter Oudemans, and Mark Ehlenfeldt) of the North American Blueberry Research & Extension Workers (NABREW) Conference, Atlantic City, New Jersey. 2014.
- Co-Organizer (with Drs. Nicholi Vorsa (Chair), Peter Oudemans, and James Polashock) of the North American Cranberry Research & Extension Workers (NACREW) Conference, Egg Harbor City, New Jersey. 2007.

#### *Others*

- Webmaster for the International Society of Chemical Ecology (2023-present).
- Examiner of doctoral project for the School of Agriculture and Environment, The University of Western Australia, Crawley, Western Australia. 2020.
- Examiner of doctoral project for the “Escuela para Graduados de la Facultad de Agronomía”, Universidad de Buenos Aires, Argentina. 2015.
- Moderator for the Blueberry Pests and Their Management session, North American Blueberry Research & Extension Workers Conference, Kalamazoo, Michigan. 2010.
- Hosted a Fulbright Visiting Scholar, Dr. Durairaj Chinnasamy, from India. 2008 (8 months).

#### National Level

##### *Societal Duties*

- Past-President, P-IE Section of the Entomological Society of America. 2024-2025.



- President, P-IE Section of the Entomological Society of America. 2023-2024.
- Vice-President, P-IE Section of the Entomological Society of America. 2022-2023.
- Vice President-Elect, P-IE Section of the Entomological Society of America. 2021-2022.
- President, Entomological Society of America Eastern Branch. 2016-2017.
- Chair of the Diversity and Inclusion Committee. Entomological Society of America. 2020-2021.
- Chair of the Awards and Honors Committee. Entomological Society of America. 2018-2020.
- Chair, Multistate Hatch Research Project NE2001: Harnessing Chemical Ecology to Address Agricultural Pest and Pollinator Priorities. 2023.
- Chair, Multistate Hatch Project WERA 1021: Spotted Wing Drosophila Biology, Ecology, and Management. 2014.
- Chair, Entomological Society of America Eastern Branch Program Committee. 2013.
- Co-chair, Entomological Society of America Eastern Branch Program Committee. 2012.
- Co-chair and moderator for the “Blueberries” session. Mid-Atlantic Fruit & Vegetable Convention, Hershey, Pennsylvania. 2009, 2010, 2011, 2014.
- Member of the committee on Canvassing for Awards and Honors. Entomological Society of America. 2019-2020.
- Member of the Awards and Honors Committee. Entomological Society of America. 2018-2022.
- Member of the Diversity and Inclusion Committee. Entomological Society of America. 2018-present.
- Member of the Professional Awards Committee. Entomological Society of America Eastern Branch. 2018-2021.
- Member of the Multistate Hatch Project WERA 1021: Spotted Wing Drosophila Biology, Ecology, and Management. 2012-present.
- Member of the Multistate Hatch Project NE1501: Harnessing chemical ecology to address agricultural pest and pollinator priorities. 2015-present.
- Member of Program Committee, Section F, Entomological Society of America. 1998.
- Member of Registration Committee, Pacific Branch of the Entomological Society of America. 1995.
- Co-moderator (with Cindy Myers and Lina Bernaola), “Coffee with ESA Awards Committee Members”. 2020 Entomology Virtual Annual Meeting. Entomological Society of America. 2020.

#### *Meeting and Symposia Organizer*

- Member Symposium Co-Organizer (with Drs. Jana Lee, Xingeng Wang, Julianna Wilson). “Empowering Pest Management: Biological Control Strategies against Spotted-Wing Drosophila”. Entomological Society of America (ESA) annual meeting. Phoenix, Arizona. 2024.
- Section Symposium Co-Organizer (with Drs. Betty Benrey and Yolanda Chen). “Ecological and Evolutionary Consequences of Plant Domestication on Multitrophic Interactions”. Entomological Society of America (ESA) annual meeting. National Harbor, Maryland. 2023.
- Section Symposium Co-Organizer (with Dr. Caitlin Rering). “Friends and Foes: New Advances on Plant-Insect-Microbe Interactions”. Joint Annual Meeting of the Entomological Society of America (ESA), Entomological Society of Canada (ESC), and the Entomological Society of British Columbia (ESBC). Vancouver, BC, Canada. 2022.
- Symposium Co-Organizer (with Dr. Chloe Hawkings and Grayson Tung). “Diversity in the Academic Ecosystem: How Contributions to Diversity, Equity, and Inclusion Strengthens Collaborations and Connections in Research”. The 92nd Annual Meeting of the Eastern Branch Entomological Society of America. Philadelphia, Pennsylvania. 2022.
- Section Symposium Co-Organizer (with Dr. Sara Hermann). “Early Career Professionals Promoting Biological Control in a Changing World (IOBC-NRS Symposium)”. The 68<sup>th</sup> Annual Meeting of the Entomological Society of America. 2020. (Virtual Meeting).
- Organized Meeting Co-Organizer (with Drs. Ivan Hiltbold and Don Weber). “IOBC-NRS: Early career professionals advocating biological control”. The 67<sup>th</sup> Annual Meeting of the Entomological Society of America. St. Louis, Missouri. 2019.
- Symposium Co-Organizer (with Drs. Tracy Leskey and Vaughn Walton). “Two Invasive Pests that Fundamentally Changed IPM in Fruit and Nut Crops: Brown Marmorated Stink Bug and Spotted Wing Drosophila”. 8<sup>th</sup> International IPM Symposium: Solutions for a Changing World. Salt Lake City, Utah. 2015.
- Section Symposium Co-Organizer (with Dr. Mary Gardiner). “Insect-Mediated Ecosystem Services:



Enhancing Interactions with our Beneficial Partners (IOBC-NRS Symposium)". The 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota. 2015.

- Symposium Co-Organizer (with Dr. Elvira de Lange). "Painter's Legacy: Current Advances on Host-plant Resistance". Eastern Branch Annual Meeting. Rehoboth Beach, Delaware. 2015.
- Organized Meeting Co-Organizer (with Dr. Christelle Guedot). "Spotted Wing Drosophila: Developing Solutions for a Challenging Pest". The 62<sup>nd</sup> Annual Meeting of the Entomological Society of America. Portland, Oregon. 2014.
- Symposium Co-Organizer (with Dr. Anne Nielsen). "Are We Winning the Battle against Invasive Pests? The Brown Marmorated Stink Bug and Spotted Wing Drosophila". Eastern Branch Annual Meeting. Williamsburg, Virginia. 2014.
- Symposium Co-Organizer (with Dr. Sunil Tewari). "Pushing, Pulling, and Confusing: The Many Ways to Manipulate Insect Behavior in IPM". Eastern Branch Annual Meeting. Williamsburg, Virginia. 2014.
- Program symposium Co-organizer (with Drs. Roxina Soler and Raul Medina). "Plant-mediated Interactions among Multiple Players: Making Connections between Ecological Processes and Mechanisms". The 61<sup>st</sup> Annual Meeting of the Entomological Society of America. Austin, Texas. 2013.
- Symposium Co-Organizer (with Mr. Dean Polk). "Status of the Spotted Wing Drosophila in the US". Eastern Branch Annual Meeting. Hartford, Connecticut. 2012.
- Section Symposium Co-Organizer (with Dr. Ian Kaplan). "Host Plant Volatiles: Identifying New Approaches for Insect Pest Management". The 59<sup>th</sup> Annual Meeting of the Entomological Society of America. Reno, Nevada. 2011.
- Symposium Organizer. "Current Advances in Small Fruit Entomology". Entomological Society of America, Eastern Branch. 80<sup>th</sup> Annual Meeting, Harrisburg, Pennsylvania. 2009.
- Symposium Co-Organizer (with Dr. Arthur Agnello). "The Food Quality Protection Act: The Fruit Industry View 10 Years Later". Entomological Society of America, Eastern Branch. 79<sup>th</sup> Annual Meeting, Syracuse/Liverpool, New York. 2008.

#### *Judging and Moderator Duties*

- Judge for the graduate oral competition at the Entomological Society of America Annual Meeting. Phoenix, Arizona. 2024.
- Judge for the undergraduate poster competition at the Entomological Society of America, Eastern Branch Annual Meeting. Morgantown, West Virginia. 2024.
- Judge for the Early Career Innovation Award and the Nan-Yao Su Award for Innovation and Creativity in Entomology for the Entomological Society of America. 2018.
- Judge for the student poster competition at the Entomological Society of America, Annual Meeting. Denver, Colorado. 2017.
- Judge for the Entomological Society of America Student Award – Monsanto Research Grant Award. 2015.
- Judge for the student oral competition at the Entomological Society of America, Annual Meeting. Portland, Oregon. 2014.
- Judge for the student oral competition at the Entomological Society of America, Eastern Branch Annual Meeting. Hartford, Connecticut. 2012.
- Judge for the student poster competition at the Entomological Society of America, Eastern Branch Annual Meeting. Harrisburg, Pennsylvania. 2011.
- Judge for the student oral competition at the Entomological Society of America, Eastern Branch Annual Meeting. Annapolis, Maryland. 2010.
- Judge for the student oral competition at the Entomological Society of America, Annual Meeting. San Diego, California. 2007.
- Moderator, Oral Session: Insect Population and Community Ecology, Ecological Society of America. 2002.

#### *Panelist*

- Ad hoc reviewer for USDA ARS National Program 304 Crop Protection and Quarantine. 2025.
- Ad hoc reviewer for the NSF Integrative Ecological Physiology (IEP) Program. 2019.
- Ad hoc reviewer for USDA Small Business Initiative Research (SBIR). 2011, 2013, 2015, 2016.
- Proposal review panelist for the National Research Council of the National Academies. 2008, 2009,



2010, & 2011.

- Proposal review panelist for the Northwest Center for Small Fruits Research (NCSFR) funding program. 2024.
- Proposal review panelist for USDA Agriculture and Food Research Initiative (AFRI) Foundational Program: Pests and Beneficial Species in Agricultural Production Systems. December 2017.
- Proposal review panelist for USDA Agriculture and Food Research Initiative (AFRI) Foundational Program: Pests and Beneficial Species in Agricultural Production Systems. January 2017.
- Proposal review panelist for USDA Crop Protection and Pest Management Extension Implementation Program (EIP) and Regional Coordination Program (RCP) Program. 2014.
- Proposal review panelist for USDA Pest Management Alternatives Program (PMAP). 2011.
- Proposal review panelist for USDA Risk Avoidance and Mitigation Program (RAMP)/Crops At Risk (CAR). 2010.
- Proposal review panelist for USDA Southern IPM. 2010, 2011.
- Proposal reviewer for the California State University Agricultural Research Institute (CSU ARI) funding program. 2020.
- Proposal reviewer for the Pierce's Disease Research. 2010, 2011.

#### *Others*

- Member of the Search Committee for an Agricultural Field Technician to support the USDA-ARS at the Rutgers P.E. Marucci Center (Chatsworth, NJ) (2021).
- Member of the Search Committee for a USDA-ARS Research Geneticist at the Rutgers P.E. Marucci Center (Chatsworth, NJ) (2020).
- Member of the Search Committee for an Agricultural Field Technician to support the USDA-ARS at the Rutgers P.E. Marucci Center (Chatsworth, NJ) (2020).
- Member of the NE IPM Advisory Council. 2015-2019.

#### Statewide Level

- Member of the Board of Directors of the American Cranberry Growers' Association. 2007-present.
- Organizer of the American Cranberry Grower Association Winter and Summer meetings. 2009-present.
- IR-4 State Liaison. 2009-2017.
- Judge for the Michigan Science Olympiad State Tournament. 2005.
- Judge for the California State Science Fair. Los Angeles. 1999.
- Entomology Graduate Student Council, UC Riverside. 1996-1998.
- UCR Entomology Outreach Program. Orange County and Orange Blossom Fairs, California. 1996-1998.

#### Public Service Level

- Outreach Lectures to Mullica Township School, Cedar Creek High School, and other local schools. 2006-present.
- Judge for the Folsom Elementary School Science Fair. Folsom, New Jersey. 2006, 2007, 2008.
- Judge for the Riverside Unified School District Science Fair. University of California, Riverside. 1997.
- Volunteer at the Michigan Arbor Day Alliance. 2005.
- Volunteer at the Entomology Museum Day. Oregon State University. 1994.
- UCR Outreach Lectures at local elementary and high schools. 1997-1999.
- UCR Minority Outreach Lectures (Spanish language presentations to local high school students on entomology). 1997-1998.

#### University Services

##### *Department of Entomology*

- Chair of Dr. Anne Nielsen (Fruit Entomologist) Mentoring Committee (2012-2017).
- Chair of Dr. Chloe Hawkings (Assistant Teaching Professor) Mentoring Committee (2023-present).
- Chair of the Appointments and Promotions Committee (2019-2020).
- Chair of the Curriculum Committee (2019-2020).
- Chair of the Diversity & Inclusion Committee (2022-2023)



- Chair of the Graduate Student Progress Committee (2017-2018).
- Member of the Appointments and Promotions Committee (2017-2020, 2021-2024).
- Member of the Curriculum Committee (2018-2020).
- Member of the Diversity & Inclusion Committee (2021-2022, 2023-2024)
- Member of the Graduate Program Resource Maintenance and Development Committee (2014-2015).
- Member of the Graduate Program Student Acceptance Committee (2009-2012, 2015-2016, 2025-2026).
- Member of the Graduate Student Progress Committee (2008-2009).
- Member of the Qualifying Exam Committee (2025-2026).
- Member of the Search Committee for Assistant Professor in Evolutionary Entomology (2022).
- Member of the Search Committee for Assistant Professor in Fruit Entomology (2011).
- Member of the Search Committee for Assistant Professor in Microbiology/Virology (2016).
- Member of the Search Committee for Assistant Professor in Pollination Ecology (2007).
- Member of the Strategic Plan Committee (2015-2016).
- Organizer of the Entomology Graduate Student Colloquium (2013-2020).

#### *Department of Ecology, Evolution and Natural Resources*

- Member of Dr. Brooke Maslo Mentoring Committee, Department of Ecology, Evolution and Natural Resources (2025-present).
- Member of the Graduate Program Acceptance Committee (2022-2023).
- Member of the Graduate Program Acceptance Committee (2007-2010).

#### *School of Environmental and Biological Sciences*

- Chair of Dr. Gina Sideli (Plant Breeder) Mentoring Committee, Department of Plant Biology (2023-present).
- Chair of the Awards Committee, Rutgers Cooperative Extension (2011-2020).
- Interim Director, P.E. Marucci Center for Blueberry and Cranberry Research and Extension, Rutgers University (February-April 2024).
- Member of Dr. Janine Spies (Statewide Fruit IPM Agent) Mentoring Committee, Department of Agriculture & Natural Resources (2024-present).
- Member of the Appointments and Promotions Committee (2018-2021).
- Member of the Awards Committee, Rutgers Cooperative Extension (2021-present).
- Member of the Search Committee for Assistant Professor in *Vaccinium* Breeding, Department of Plant Biology (2022).
- Member of the Search Committee for Extension Specialist in Nursery, Department of Plant Biology (2013).
- Member of the Search Committee for Fruit IPM Program Associate II, Department of Agricultural and Natural Resources (2014; 2016).
- Member of the Search Committee for Soils and Plant Technician in Honey Bee IPM, Department of Agricultural and Natural Resources (2021).

#### SCIENTIFIC MEETINGS AND CONVENTIONS ATTENDED (in parenthesis are the total number attended)

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- Asia-Pacific Chemical Ecology Conference (TOTAL = 3). 2011, 2015, 2019.
  - Convención Nacional de Entomología (Perú) (TOTAL = 2). 1988, 1989.
  - Cumberland-Shenandoah Fruit Workers Conference (TOTAL = 6). 2006, 2008, 2009, 2013, 2018, 2020 (virtual).
  - Ecological Society of America. Annual Meeting (TOTAL = 6). 2000, 2002, 2010, 2015, 2020 (virtual), 2024.
  - Entomological Society of America. Annual Meeting (TOTAL = 27). 1995, 1997–2000, 2002–2003, 2005–2019, 2020 (virtual), 2021-2024.
  - Entomological Society of America. Eastern Branch Meeting (TOTAL = 16). 2006, 2007, 2009–2014, 2016–2018, 2021 (virtual), 2022 (hybrid), 2023–2025.
  - Entomological Society of Canada. Annual Meeting (TOTAL = 3). 2001, 2018, 2022.
  - Entomological Society of Ontario (Canada). Annual Meeting (TOTAL = 1). 2003.



- Gordon Research Conference. Floral & Vegetative Volatiles (TOTAL = 3). 2007, 2012, 2016.
- Gordon Research Conference. Plant-Herbivore Interaction (TOTAL = 3). 1998, 2001, 2017.
- International Congress of Entomology (TOTAL = 6). 1996 (Italy), 2008 (South Africa), 2012 (South Korea), 2016 (USA), 2022 (Finland), 2024 (Japan).
- International Entomophagous Insects Conference (TOTAL = 1). 2025 (France).
- International Society of Chemical Ecology (TOTAL = 8). 2008 (USA), 2014 (USA), 2016 (Brazil), 2018 (Hungary), 2019 (USA), 2021 (virtual), 2023 (India), 2024 (Czech Republic).
- International Symposium on Biological Control of Arthropods (TOTAL = 2). 2013 (Chile), 2022 (Canada, virtual).
- IPM Symposium (TOTAL = 2). 2018, 2022.
- New Jersey Agribusiness Association. Annual Conference (TOTAL = 5). 2005–2009.
- North American Blueberry Research and Extension Workers Conference (TOTAL = 4). 2006, 2010, 2014, 2022 (virtual).
- North American Cranberry Research and Extension Workers Conference (TOTAL = 5). 2007, 2011, 2013, 2017, 2023.
- North Central Branch. Entomological Society of America (TOTAL = 1). 2005.
- Ontario Ecology and Ethology Colloquium (Canada). Annual Meeting (TOTAL = 1). 2004.
- Pacific Branch. Entomological Society of America. Annual Meeting (TOTAL = 7). 1993, 1995–1999, 2021 (virtual).
- Southwestern Branch. Entomological Society of America (TOTAL = 1). 2004.
- Symposium on Insect-Plant Interactions (TOTAL = 1). 2021 (virtual).

#### WORKSHOPS AND TRAINING COURSES ATTENDED

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- North American Spotted Wing Drosophila Biocontrol Working Group. Virtual Meeting. 2020, 2022, 2023.
- Spotted Lanternfly Working Group Meeting. Biglerville, Pennsylvania. 2019.
- Spotted Wing Drosophila Working Group Meeting. Various Locations (New York, New Jersey). 2012–2018.
- Brown Marmorated Stink Bug IPM Working Group Meeting. Attended 1-2 meetings per year. Various Locations (West Virginia, Virginia, Pennsylvania). 2011–2016.
- Geospatial Technology Workshop. Michigan State University. East Lansing, Michigan. 2005.
- Breeding for Resistance to Insects and Mites. 8<sup>th</sup> Meeting of the IOBC/Eucarpia Working Group. Dundee, Scotland. 1998.
- International Plant Resistance to Insects. 13<sup>th</sup> Biennial Workshop. Memphis, Tennessee. 1998.
- Manejo de la Fertilidad de los Suelos para Incrementar la Producción de Cosechas (Management of Soil Fertility to Increase Crop Productivity). Universidad Nacional Agraria, La Molina. Lima, Perú. 1991.
- El Uso de Feromonas en el Control de Plagas Agrícolas (The Use of Pheromones for Control of Agricultural Pests). Centro de Estudios Biológicos. Lima, Perú. 1990.
- Técnicas de Colecta y Preservación de Especímenes Biológicos (Techniques for Collection and Preservation of Biological Specimens). Universidad Nacional Mayor de San Marcos, Facultad de Ciencias Biológicas. Lima, Perú. 1989.

#### PROFESSIONAL AFFILIATIONS

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- Arizona Biological Control Working Group (1999–2001)
- Asia-Pacific Association of Chemical Ecologists (2011–2012)
- Ecological Society of America (1998–present)
- Entomological Society of America (1992–present)
- Entomological Society of Canada (2003–2008)
- Entomological Society of Peru (1987–1997)
- Epsilon Sigma Phi–The Extension Professionals Association (2025–present)
- Gamma Sigma Delta (1998–1999)
- International Organization of Biological Control - Nearctic Regional Section (2006–present)
- International Society of Chemical Ecology (2004–present)



- New Jersey Agribusiness Association (2005-2010)
- Sigma Xi (1996-1999)
- The American Entomological Society (2006-2010)

#### SPECIAL SKILLS

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- Certified Commercial Pesticide Applicator in New Jersey (Categories 1A & 10).
- Expertise in the use of biological assays to study insect behavior and performance and chemical assays involving techniques in analytical chemistry to measure headspace volatile emissions and secondary compounds in plants.
- Experience with antennal electrophysiological techniques (EAG, GC-EAD).
- Experience in the use of low-pressure liquid chromatography (LPLC), thin layer chromatography, UV spectroscopy, high-pressure liquid chromatography (HPLC), gas chromatography (GC), gas chromatography-mass spectroscopy (GC-MS), and nuclear magnetic resonance (NMR) to isolate and identify plant compounds.
- Experience in analyses of proteinase inhibitor activity, peroxidases, polyphenol oxidases, glucosinolates, and total proteins in plants.
- Experience with molecular tools in isolation of RNA and qPCR.
- Experience in maintaining laboratory colonies of several insect herbivores, predators, and parasitoids.
- Skilled in several computer packages including Microsoft word, Excel, and PowerPoint, as well as statistical packages such as Systat, Minitab, SigmaPlot, and SigmaStat.
- Fluent in Spanish and English.