

## Curriculum vitae **Betty Benrey**

University of Neuchâtel, Rue Emile-Argand 11, CH-2000, Neuchâtel, Switzerland  
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### PERSONAL DATA

Born: Mexico City, Mexico.

Nationality: Mexican

Marital Status: Married; Children: Daniel, 12.11.1997; Jonathan, 15.11.1999.

Languages: Spanish, English, French and Hebrew.

<https://www.researchgate.net/profile/BettyBenrey>

[https://scholar.google.ca/citations?hl=en&user=wa4ZPOUAAAAJ&view\\_op=list\\_works&sortBy=pubdate](https://scholar.google.ca/citations?hl=en&user=wa4ZPOUAAAAJ&view_op=list_works&sortBy=pubdate)

### PROFESSIONAL EXPERIENCE

2025- 2028 Visiting Scholar (lecturer), Department of Entomology, Penn State University

2018- 2024 Professor, Lecturer and researcher (MER), Evolutionary Entomology

2008- 2018 Acting and Administrative Chair of the Laboratory of Evolutionary Entomology

2005-2018 Research Leader Laboratory of Evolutionary Entomology

2005- 2013 Scientific Collaborator and Project Leader, National Center of Competence in Research "Plant Survival" (NCCR), Switzerland.

1997-2005 "Maître Assistante", Institute of Zoology, University of Neuchatel, Neuchatel, Switzerland.

1996 Visiting Scientist, Institute of Zoology, University of Neuchatel, Neuchatel, Switzerland.

1995 July-September; Visiting Scientist, Swiss Federal Institute of Technology (ETH-Zurich), research on encapsulation of parasitoid eggs by *Pieris* species.

1993- Elected Member of the National Research System, Mexico.

1993-1996 Assistant Professor, Department of Evolutionary Ecology, Institute of Ecology, Universidad Nacional Autónoma de Mexico (UNAM), Mexico.

### ACADEMIC DEGREES

1993 Ph.D. in Entomology, University of Maryland (USA)

1987 MSc. in Ecology, Universidad Nacional Autónoma de Mexico, Mexico

1984 B.Sc. in Biology, Universidad Autónoma Metropolitana, Mexico

### STUDENT SUPERVISION

Project leader and supervisor for 10 postdoctoral, 15 Phd and 32 Master students (Switzerland, Mexico, US, France, Netherlands); member of the jury for 29, further PhD students (Switzerland, Mexico, US, France, Spain, Costa Rica, Colombia, Finland, Sweden).

### FUNDING

- 1985-1987 Master research funded by The National Council for Science and Technology, México.
- 1988-1993 Doctoral research funded by fellowships from The Universidad Nacional Autónoma de México and The National Council for Science and Technology, México.
- 1988 Retention Fellowship, University of Maryland, College Park, USA.

- 1994 Grant awarded by The Universidad Nacional Autónoma de México for research on the population genetics of bruchids attacking the bean *Phaseolus coccineus*.
  - 1995 Grant awarded by the National Council of Science and Technology, México, for research on the ecology of herbivores and parasitoids of wild and cultivated beans.
  - 1995 Grant awarded by The National Council of Science and Technology, Mexico and ETH-Zurich, Switzerland, to conduct collaborative research with Dr. T. Trenzeck at the ETH-Zurich, on factors affecting the encapsulation process in herbivorous insects.
  - 1996 Grant awarded by the Institute of Ecology, Universidad Nacional Autónoma de México to conduct research as a visiting scientist at the Institute of Zoology, University of Neuchatel, Switzerland.
  - 1998 Grant awarded by the Swiss National Fund for research on “The effects of bean domestication on the interaction between a Bruchid beetle and its larval parasitoid”.
  - 1999 Grant awarded by the Roche Foundation for training of a student in molecular techniques at the University of Dundee, Scotland.
  - 2001 Grant awarded by the Swiss National Fund for research on “Determinants of genetic structure of parasitoid populations in a tritrophic system”.
  - 2006 Grant awarded by the Swiss National Fund for research on “The respective roles of hosts and plants in mediating genetic differentiation among bruchid parasitoids”.
  - 2009 Grant awarded by the Swiss National Fund for research on “Do plant-mediated indirect interactions among herbivores affect parasitoid performance and genetic population structure?”.
  - 2014 Overhead Grant awarded by the University of Neuchatel.
  - 2016 Grant awarded by Task Force Kirschessigfliege - Reserve für Drittpartner, Agroscope, Switzerland for a master’s project on *Drosophila Suzuki*.
  - 2016 Grant awarded by the Swiss National Fund for research on “Agricultural practices and the cascading effects of apparent competition: A case study of trophic interactions on cultivated maize and wild lima bean plants”.
  - 2019 Grant awarded by Seed Money Grants: Leading house for the Latin American region on “Ecological interactions in the Milpa agricultural system”.
  - 2020 Grant awarded by the Swiss National Fund for research on “Unravelling the ecology behind the success of traditional Milpa intercropping in Mesoamerica”.
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## TEACHING ACTIVITIES

**Bachelor** : Plant-Insect Interactions, Invertebrate Biology, Data Management and Experimental Design for biologists, Population Ecology, Entomology, Problem-based learning on evolutionary entomology and plant domestication.

**Master** : Host-Parasitoid Interactions, Ecological Interactions, Consequences of Plant domestication on Insect Interactions, Sustainable Agriculture, Field Courses in Tropical Ecology.

## OTHER APPOINTMENTS AND AFFILIATIONS

Reviewer for peer review journals, including: *Journal of Biological Control*, *Bulletin of Entomological research*, *Physiological Entomology*, *PlosOne Biology*, *Journal of Insect Behavior*, *Forest and Agricultural Entomology*, *Ecology Letters*, *Functional Ecology*, *Molecular Ecology*, *Oikos*, *Oecologia*, *Journal of Chemical Ecology*, *Ecology*, *Journal of Evolutionary Biology*, *Entomologia Experimentalis et Applicata*, *Environmental Entomology*, *Ecological Entomology*, *Basic and Applied Ecology*, *Philosophical reviews*, *Crop Science*, *Frontiers in Plant Science*, *BMC Evolution*, *New Phytologist*, *Annals of*

*Botany, American Journal of Botany, and others.*

Reviewer for funding agencies: US National Science Foundation, USDA, Consejo Nacional de Ciencia y Tecnología, Mexico, Vernieuwingsimpuls/Innovational Research Incentives Scheme, The Netherlands, AgreenSkills INRA EU COFUND Marie Curie, FONDECYT, Chile, Israeli Ministry of Science and Technology (MOST), The Dutch Research Council (NWO), German Research Foundation (DFG), Leading House Latin America, University of St.Gallen (HSG).

Served in committees as foreign expert for HCERES, Haut conseil de l'évaluation de la recherche et de l'enseignement supérieur, France.

Member of Editorial Board, *Entomologia Experimentalis et Applicata*, *Ecological Monographs*, *BMC-Ecology*.

## INTERNATIONAL COLLABORATIONS

Dr. **Yolanda Chen**, Department of Plant and Soil Sciences, University of Vermont, USA; Professor **Brian Farrell**, Museum of Comparative Zoology, University of Harvard, USA; Dr. **Christer Hansson**, Institute of Zoology, Lund University, Sweden; Dr. **Rieta Gols**, Wageningen University, The Netherlands; Dr. **Cesar Rodriguez-Saona**, Rutgers University, USA.; Dr. **Martin Heil**, Department of Genetic Engineering, Cinvestav, Irapuato, Mexico; Dr. **Alfonso Delgado-Salinas**, Institute of Biology, UNAM, Mexico; Dr. **Luis Eguiarte**, Institute of Ecology, UNAM, Mexico, Dra. **Angélica Cibrian-Jaramillo**, Langebio (Laboratorio Nacional de Genómica para la Biodiversidad), Cinvestav, Irapuato, Mexico, Dr. **Luis Abdala-Roberts** & Dr. **Victor Parra** Universidad Autónoma de Yucatán, Mexico, **Alejandro Casas**, Research Institute on Ecosystems and Sustainability, UNAM, Mexico, Dr. **Esteban Rodríguez Leyva**, Colegio de Posgraduados, Chapingo, Mexico, Dr. **Pablo Urbaneja-Bernat**, Institute of Agrifood Research and Technology, Barcelona, Spain, Professor **Moshe Coll**, University of Jerusalem, Professor **Ian Kaplan**, Indiana University, Professor **Daniel Ballhorn**, University of Portland, Professor **Yunhe Li**, Henan University, Kaifeng, China.

## Publications

1. Rivera, C, Wakley, T, Roeder, G, Bustos-Segura, C, **Benrey, B.** 2025. Rhizobia-bean symbiosis enhances root herbivore attraction and growth via volatile signals and nutrition. *Plant Cell & Environment*, doi: 10.1111/pce.15485.
2. Cuny, MAC, Cailleau, G, Junier, P, **Benrey B.** 2025. Host diet and phylogeny interact to shape the bacterial and fungal microbiome in the regurgitant of four *Spodoptera* species. *Research Square*, <https://doi.org/10.21203/rs.3.rs-6114576/v1>.
3. Grof-Tisza, P, Patino Moreno, Y, Erb, C, Nobel, G, Clancy, M, **Benrey, B.** 2025. Associational resistance in the milpa: Herbivore-induced maize volatiles enhance extrafloral nectar-mediated defenses in common bean via shared parasitoids. *New Phytologist*, <https://doi.org/10.1111/nph.70029>.
4. Rivera, C, Wakley, T, Roeder, G, Bustos-Segura, C, **Benrey, B.** 2024. Rhizobia-bean symbiosis enhances root herbivore attraction and growth via volatile signals and nutrition. *Authorea*, DOI: 10.22541/au.173536470.09188501/v1.
5. Arce, CMC, Machado, RAR, Mamin, M, Glauser, G, Bruno, P, **Benrey, B**, Erb, M, Robert, CAM, Turlings, TCJ. 2024. The polyvalent sequestration ability of an economically important beetle. *Current Biology*, <https://doi.org/10.1016/j.cub.2024.10.005>.
6. Grof-Tisza, P, Turlings, TCJ, Bustos-Segura, C., **Benrey, B.** 2024. Field evidence for the role of plant volatiles induced by caterpillar-derived elicitors in the prey location behavior of predatory social wasps. *Biology Letters* 20 (10), 20240384.

7. Plant-to-plant defence induction in cotton is mediated by delayed release of volatiles upon herbivory Grandi, L, Ye, W, Clancy, MV, Vallat, A, Glauser, G, Abdala-Roberts, L, Thierry Brevault, T, **Benrey, B**, Turlings, TCJ, Carlos Bustos-Segura, C. 2024. *New Phytologist*, <https://doi.org/10.1111/nph.20202>.
8. **Benrey, B**, Bustos-Segura, C, Grof-Tisza, P.2024. The Mesoamerican Milpa System: Traditional Practices, Sustainability, Biodiversity, and Pest Control . *Biological control*, 105637, <https://doi.org/10.1016/j.biocontrol.2024.105637>.
9. Grof-Tisza, P, Muller, MH, González-Salas, R, Bustos-Segura, C, **Benrey B**. 2024. The Mesoamerican milpa agroecosystem fosters greater arthropod diversity compared to monocultures. *Agriculture, Ecosystems & Environment* 372, 109074.
10. Ye, W, Di Caprio, L, Bruno, P, Jaccard, C, Bustos-Segura C, Arce, CCM, **Benrey B**. 2024. Cultivar-Specific Defense Responses in Wild and Cultivated Squash Induced by Belowground and Aboveground Herbivory. *Journal of Chemical Ecology*, 1-13.
11. Bustos-Segura, C, Godschalx, AL, Malacari, L, Deiss, F, Rasmann, S, Ballhorn, D, **Benrey, B**. 2024. Rhizobia-legume symbiosis mediates direct and indirect interactions between plants, herbivores and their parasitoids. *Heliyon* 10 (6).
12. Grof-Tisza, P, Turlings, TCJ, Bustos-Segura, C, **Benrey B**. 2024. Field evidence for the role of plant volatiles induced by caterpillar-derived elicitors in the prey location behavior of predatory social wasps. *bioRxiv* 2024.03. 29.587343
13. Briones-May, Y., Quijano-Medina, T., Pérez-Niño, B., **Benrey, B.**, Turlings, TCJ., Bustos-Segura, C., and Abdala-Roberts, L. 2023. Soil salinization disrupts plant–plant signaling effects on extra-floral nectar induction in wild cotton. *Oecologia* 202, 313–323. <https://doi.org/10.1007/s00442-023-05395-w>
14. Jaccard, C., Wenfeng Ye, Carlos Bustos-Segura, Gaetan Glauser, Ian Kaplan and **Benrey, B.**. 2023. Consequences of squash (*Cucurbita argyrosperma*) domestication for plant defence and herbivore interactions. *Planta* 257, 106 <https://doi.org/10.1007/s00425-023-04139-7>.
15. **Benrey, B**. 2023. The effects of plant domestication on the foraging and performance of parasitoids. *Current Opinion in Insect Science*. <https://doi.org/10.1016/j.cois.2023.101031>
16. Patrick Grof-Tisza, Matia H. Muller, Raul González-Salas, Carlos Bustos-Segura and **Benrey Betty**. 2023 The Mesoamerican Milpa agroecosystem fosters greater arthropod diversity compared to monocultures. Preprint, SSRN, Elsevier, <https://doi.org/10.2139/ssrn.4484511>.
17. Chappuis L., A. Egger, G. Roeder, G. Glauser, G. Jaffuel, **B. Benrey**, L. Abdala-Roberts, M.V. Clancy, T.C.J. Turlings, and C. Bustos-Segura. 2023. Experimental growth conditions affect direct and indirect defences in two cotton species. *Journal of Chemical Ecology*, 1-13.
18. Grof-Tisza P, Morelon, S, Desurmont, GA, and **Benrey, B**. 2022. Population-specific plant-to-plant signaling in wild Lima bean. *Plants* 11 (18), 2320
19. Bruno P., Arce, CCM, Machado, RAR, Besomi, G, Spescha, A, Glauser, G, Jaccard, C, **B. Benrey** and Turlings, TCJ. 2022. Sequestration of cucurbitacins from cucumber plants by *Diabrotica balteata* larvae provides little protection against biological control agents. *Journal of Pest Science* 1-15.
20. Chabaane, Y, Arce, CCM, Glauser, G, and **Benrey, B**. 2022. Altered capsaicin levels in domesticated chili pepper varieties affect the interaction between a generalist herbivore and its ectoparasitoid. *Journal of pest science* 95 (2), 735-747
21. Jaccard, C, Marguier, NT, Arce, CCM, Bruno, P, Glauser, G, Turlings, TJC, and **Benrey, B**. 2022. The effect of squash domestication on a belowground tritrophic interaction. *Plant Environment Interactions* 3 (1), 28-39
22. Cuny, MAC., la Forgia, D., Desurmont, G. A., Bustos-Segura, C., Glauser, G., and **Benrey, B**. 2022. Top-down cascading effects of seed-feeding beetles and their parasitoids on plants and leaf herbivores. *Functional Ecology* 36, 1500-1512.
23. Bustos-Segura, C., Hernández-Cumplido, J., Trainee, J., and **Benrey, B**. 2021. Herbivory and jasmonate treatment affect reproductive traits in wild Lima bean, but without

- transgenerational effects. *American Journal of Botany* 108(10): 2096–2104.
24. Jaccard C, Cuny, MAC, Bustos-Segura C, Arce, CCM, Giollo L, Glauser G and **Benrey B**. 2021. Squash Varieties Domesticated for Different Purposes Differ in Chemical and Physical Defense Against Leaf and Root Herbivores. *Frontiers in Agronomy* 3:683936.
  25. Chabaane, Y.; Haseeb, M.; **Benrey, B**. 2021. Domestication of Chili Pepper Has Altered Fruit Traits Affecting the Oviposition and Feeding Behavior of the Pepper Weevil. *Insects* 12 (7), 630.
  26. Urbaneja-Bernat, P, Polk, D, Sanchez-Pedraza, F, **Benrey, B**, Salamanca, J, Rodriguez-Saona, C. 2020. Non-crop habitats serve as potential source of spotted-wing drosophila (Diptera: Drosophilidae) to adjacent cultivated highbush blueberries. *The Canadian Entomologist* 152 (4), 474-489.
  27. Bustos-Segura, C, Cuny, MAC, **Benrey, B**. 2020. Parasitoids of leaf herbivores enhance plant fitness and do not alter caterpillar-induced resistance against seed beetles. *Funct. Ecololy* 34: 586–596.
  28. Desurmont, G., Morelon, S., **Benrey, B**. 2020. First insights in the chemical ecology of an invasive pest: olfactory preferences of the viburnum leaf beetle *Pyrrhalta viburni* *Environmental Entomology* 49 (2), 364-369.
  29. Cuny, M.A.C., Traine, J., Bustos-Segura, **Benrey, B**. 2019. Host density and parasitoid presence interact and shape the outcome of a tritrophic interaction on seeds of wild lima bean. *Scientific Reports* 9 (1), 18591.
  30. Cuny, MAC, La Forgia, D, Desurmont, G, Glauser, G, **Benrey, B**. 2019. Role of cyanogenic glycosides in seeds of Lima bean (*Phaseolus lunatus*): Defense, plant nutrition or both?. *Planta* 250, 1281-1292.
  31. Abdala-Roberts, L, Pérez Niño, B, Moreira, X, Parra-Tabla, V, Grandi, L, Glauser, G, **Benrey, B**, Turlings, TCJ. 2019. Effects of early-season insect herbivory on subsequent pathogen infection and ant abundance on wild cotton (*Gossypium hirsutum*). *Journal of Ecology* 107 (3), 1518-1529.
  32. Hansson, C, Kenyon, SG, **Benrey, B**. 2019. Cryptic species in *Horismenus* Walker (Hymenoptera: Eulophidae) associated with bruchid beetles (Coleoptera: Chrysomelidae: Bruchinae), including five new species. *Zootaxa* 4585 (1): 168–188
  33. Abdala-Roberts, L, Quijano-Medina, T, Moreira, X, Parra-Tabla, V, Berny Mier y Terán, JC, Grandi, L, Glauser, G, Turlings, TCJ, **Benrey, B**. 2019. Biotic and abiotic factors associated with geographic variation in insect herbivory on wild cotton (*Gossypium hirsutum*). *American Journal of Botany* 106 (8), 1059-1067.
  34. Rodriguez-Saona, C, Cloonan, KR, Sanchez-Pedraza, F, Yucheng Z, Giusti, MM, **Benrey, B**. 2018. Differential susceptibility of wild and cultivated blueberries to an invasive frugivorous pest, *J. Chemical Ecology* DOI: 10.1007/s10886-018-1042-1
  35. Cuny, MAC, Gendry, J, Hernandez-Cumplido, J, **Benrey, B**. 2018. Changes in plant growth and seed production in wild Lima bean in response to herbivory are attenuated by parasitoids. *Oecologia* 1-11.
  36. Shlichta, JG, Cuny, MAC, Hernandez-Cumplido, J, Traine, J, **Benrey, B**. 2018. Contrasting consequences of plant domestication for the chemical defenses of leaves and seeds in lima bean (*Phaseolus lunatus*). *Basic and Applied Ecology* <https://doi.org/10.1016/j.baae.2018.05.012>
  37. Cuny, MAC, Shlichta JG, **Benrey, B**. 2017. The large seed size of domesticated lima beans mitigates intraspecific competition among seed beetle larvae. *Frontiers in Ecology and Evolution* 5,145.
  38. Chen, YH, Shapiro, LR, **Benrey, B**, Cibrián-Jaramillo, A 2017. Back to the origin: in situ studies are needed to understand selection during crop diversification. *Frontiers in Ecology and Evolution* 5,125.

39. Hernandez-Cumplido, J, Glauser, G, **Benrey, B.** 2016. Cascading effects of early-season herbivory on late-season herbivores and their parasitoids. *Ecology* 97: 1283-1297.
40. Moreira, X, Petry, WK, Hernandez-Cumplido, J, Morelon, S, **Benrey, B.** 2016. Plant defence responses to volatile alert signals are population-specific. *Oikos* 125: 950-956.
41. Hernandez-Cumplido, J, Forter, B, Moreira, X, Heil, M, **Benrey, B.** 2016. Induced Floral and Extrafloral Nectar Production Affect Ant-pollinator Interactions and Plant Fitness. *Biotropica* 48: 342-348.
42. Abdala-Roberts, L, Hernandez-Cumplido, J, Chel-Guerrero, L, Betancur-Ancona, D, **Benrey, B,** Moreira, X. 2016. Effects of plant intraspecific diversity across three trophic levels: Underlying mechanisms and plant traits. *American Journal of Botany* 103: 1810-1818.
43. Moreira, X, Abdala-Roberts, L, Hernandez-Cumplido, J, Rasmann, S, Kenyon, SG, **Benrey, B.** 2015. Plant species variation in bottom-up effects across three trophic levels: a test of traits and mechanisms. *Ecological Entomology* 40: 676-686.
44. Moreira, X, Abdala-Roberts, L, Hernandez-Cumplido, J, Cuny, MAC, Glauser, G, **Benrey, B.** 2015. Specificity of induced defenses, growth, and reproduction in lima bean (*Phaseolus lunatus*) in response to multispecies herbivory. *American Journal of Botany* 102: 1300-1308.
45. Kenyon, SG, Buerki, S, Hansson, C, Alvarez, N, **Benrey, B.** 2015. Uncovering Cryptic Parasitoid Diversity in *Horismenus* (Chalcidoidea, Eulophidae). *Plos One* 10.
46. Chen, YH, Gols, R, Stratton, CA, Brevik, KA, **Benrey, B.** 2015. Complex tritrophic interactions in response to crop domestication: predictions from the wild. *Entomologia Experimentalis Et Applicata* 157: 40-59.
47. Chen, YH, Gols, R, **Benrey, B.** 2015. Crop Domestication and Its Impact on Naturally Selected Trophic Interactions. In: Berenbaum, MR (ed.) *Annual Review of Entomology*, Vol 60.
48. Bergottini, VM, Otegui, MB, Sosa, DA, Zapata, PD, Mulot, M, Rebord, M, Zopfi, J, Wiss, F, Benrey, B, Junier, P 2015. Bio-inoculation of yerba mate seedlings (*Ilex paraguariensis* St. Hill.) with native plant growth-promoting rhizobacteria: a sustainable alternative to improve crop yield. *Biology and Fertility of Soils* 51: 749-755.
49. **Benrey, B,** Degen, T, Turlings, TCJ 2015. Special Issue: 15th International Symposium on Insect-Plant Relationships Preface. *Entomologia Experimentalis Et Applicata* 157: 1-1.
50. Shlichta, JG, Glauser, G, **Benrey, B.** 2014. Variation in Cyanogenic Glycosides Across Populations of Wild Lima Beans (*Phaseolus lunatus*) Has No Apparent Effect on Bruchid Beetle Performance. *Journal of Chemical Ecology* 40: 468-475.
51. Laurin-Lemay, S, Angers, B, **Benrey, B,** Brodeur, J. 2013. Inconsistent genetic structure among members of a multitrophic system: did bruchid parasitoids (*Horismenus* spp.) escape the effects of bean domestication? *Bulletin of Entomological Research* 103: 182-192.
52. Zaugg, I, **Benrey, B,** Bacher, S. 2013. Bottom-Up and Top-Down Effects Influence Bruchid Beetle Individual Performance but Not Population Densities in the Field. *Plos One* 8.
53. Zaugg, I, Magni, C, Panzeri, D, Daminati, MG, Bollini, R, **Benrey, B,** Bacher, S, Sparvoli, F. 2013. QUES, a new *Phaseolus vulgaris* genotype resistant to common bean weevils, contains the Arcelin-8 allele coding for new lectin-related variants. *Theoretical and Applied Genetics* 126: 647-661.
54. Restoux, G, Hossaert-Mckey, M, **Benrey, B,** Alvarez, N. 2010. The effect of host plant and isolation on the genetic structure of phytophagous insects: A preliminary study on a bruchid beetle. *European Journal of Entomology* 107: 299-304.
55. Moreau, J, Villemant, C, **Benrey, B,** Thiery, D. 2010. Species diversity of larval parasitoids of the European grapevine moth (*Lobesia botrana*, Lepidoptera: Tortricidae): The influence of region and cultivar. *Biological Control* 54: 300-306.
56. Jourdie, V, Alvarez, N, Molina-Ochoa, J, Williams, T, Bergvinson, D, **Benrey, B,** Turlings, TCJ, Franck, P. 2010. Population genetic structure of two primary parasitoids of *Spodoptera*

- frugiperda* (Lepidoptera), *Chelonus insularis* and *Campoletis sonorensis* (Hymenoptera): to what extent is the host plant important? ***Molecular Ecology*** 19: 2168-2179.
57. Hernandez-Cumplido, J, **Benrey, B**, Heil, M 2010. Attraction of flower visitors to plants that express indirect defence can minimize ecological costs of ant-pollinator conflicts. ***Journal of Tropical Ecology*** 26: 555-557.
  58. Moreau, J, Richard, A, **Benrey, B**, Thiery, D. 2009. Host plant cultivar of the grapevine moth *Lobesia botrana* affects the life history traits of an egg parasitoid. ***Biological Control*** 50: 117-122.
  59. Castano-Meneses, G, **Benrey, B**, Palacios Vargas, JG. 2009. Diversity and Temporal Variation of Ants (Hymenoptera: Formicidae) From Malaise Traps in a Tropical Deciduous Forest. ***Sociobiology*** 54: 633-645.
  60. Moreau, J, Rahme, J, **Benrey, B**, Thiery, D. 2008. Larval host plant origin modifies the adult oviposition preference of the female European grapevine moth *Lobesia botrana*. ***Naturwissenschaften*** 95: 317-324.
  61. Aebi, A, Shani, T, Hansson, C, Contreras-Garduno, J, Mansion, G, **Benrey, B**. 2008. The potential of native parasitoids for the control of Mexican bean beetles: A genetic and ecological approach. ***Biological Control*** 47: 289-297.
  62. Moreau, J, Thiery, D, Troussard, JP, **Benrey, B**. 2007. Grape variety affects female but also male reproductive success in wild European grapevine moths. ***Ecological Entomology*** 32: 747-753.
  63. Alvarez, N, Hossaert-McKey, M, Restoux, G, Delgado-Salinas, A, **Benrey, B**. 2007. Anthropogenic effects on population genetics of phytophagous insects associated with domesticated plants. ***Evolution*** 61: 2986-2996.
  64. Alvarez, N, **Benrey, B**, Hossaert-McKey, M, Grill, A, McKey, D, Galtier, N. 2006. Phylogeographic support for horizontal gene transfer involving sympatric bruchid species. ***Biology Direct*** 1.
  65. Alvarez, N, Mercier, L, Hossaert-McKey, M, Contreras-Garduno, J, Kunstler, G, Aebi, A, **Benrey, B**. 2006. Ecological distribution and niche segregation of sibling species: the case of bean beetles, *Acanthoscelides obtectus* Say and *A. obvelatus* Bridwell. ***Ecological Entomology*** 31: 582-590.
  66. Alvarez, N, Napoles, JR, Anton, KW, **Benrey, B**, Hossaert-McKey, M. 2006. Phylogenetic relationships in the Neotropical bruchid genus *Acanthoscelides* (Bruchinae, Bruchidae, Coleoptera). ***Journal of Zoological Systematics and Evolutionary Research*** 44: 63-74.
  67. Moreau, J, Arruego, X, **Benrey, B**, Thiery, D. 2006. Differences in nutritional quality of parts of *Vitis vinifera* berries affect fitness of the European grapevine moth. ***Entomologia Experimentalis Et Applicata*** 119: 93-99.
  68. Moreau, J, **Benrey, B**, Thiery, D. 2006. Assessing larval food quality for phytophagous insects: are the facts as simple as they appear? ***Functional Ecology*** 20: 592-600.
  69. Moreau, J, **Benrey, B**, Thiery, D. 2006. Grape variety affects larval performance and also female reproductive performance of the European grapevine moth *Lobesia botrana* (Lepidoptera : Tortricidae). ***Bulletin of Entomological Research*** 96: 205-212.
  70. Campan, EDM, Callejas, A, Rahier, M, **Benrey, B**. 2005. Interpopulation variation in a larval parasitoid of bruchids, *Stenocorse bruchivora* (Hymenoptera : Braconidae): Host plant effects. ***Environmental Entomology*** 34: 457-465.
  71. Alvarez, N, McKey, D, Hossaert-McKey, M, Born, C, Mercier, L, **Benrey, B**. 2005. Ancient and recent evolutionary history of the bruchid beetle, *Acanthoscelides obtectus* Say, a cosmopolitan pest of beans. ***Molecular Ecology*** 14: 1015-1024.
  72. Alvarez, N, Hossaert-McKey, M, Rasplus, JY, McKey, D, Mercier, L, Soldati, L, Aebi, A, Shani, T, **Benrey, B**. 2005. Sibling species of bean bruchids: a morphological and phylogenetic study of *Acanthoscelides obtectus* Say and *Acanthoscelides obvelatus* Bridwell. ***Journal of Zoological Systematics and Evolutionary Research*** 43: 29-37.

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