

Name

Elijah J. Talamas

Contact Information

Curator of Hymenoptera, Neuroptera and Mollusca
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Educational Background:

Ph.D. in Entomology, 2012
The Ohio State University, Columbus, Ohio, USA

B.S. in Science of Earth Systems, 2002
Cornell University, Ithaca, New York, USA

Relevant Employment

Florida State Collection of Arthropods, Department of Plant Industry, Florida Department of
Agriculture and Consumer Services, Gainesville, FL, 2017–present
Postdoctoral Research Fellow, Systematic Entomology Laboratory, USDA/ARS, National Museum of
Natural History, 10th & Constitution Ave NW, Washington, DC, 2013–2016

Editorship

Zootaxa: Subject editor for Proctotrupoidea *sensu lato*
Journal of Hymenoptera Research: Subject editor for Platygastridae
Biodiversity Data Journal: Subject editor for Platygastridae

Affiliations

Research Associate, National Museum of Natural History, Smithsonian Institution
Research Associate, The Ohio State University, Columbus, Ohio.
Collaborator, Systematic Entomology Laboratory, U.S. Department of Agriculture
Courtesy Faculty, Capital Normal University, Beijing, China

External Funding

APHIS Farm Bill 2023, Biological Control of Bagrada Bug, *Bagrada hilaris* (Pentatomidae), \$50,000
APHIS Farm Bill 2022, Biological Control of Bagrada Bug, *Bagrada hilaris* (Pentatomidae), \$43,600
Collaborative Research: Digitization TCN: Extending *Anthophila* research through image and trait
digitization (Big-Bee), 2021, \$154,730
APHIS Farm Bill 2021, Biological Control of Bagrada Bug, *Bagrada hilaris* (Pentatomidae), \$46,000
APHIS Farm Bill, 2019, Biological Control of Bagrada Bug, *Bagrada hilaris* (Pentatomidae), \$28,000
APHIS Farm Bill, 2019, Monitoring for the presence and impact of *Trissolcus japonicus* –Classical
Biological Control of BMSB, \$10,000
APHIS Farm Bill, 2018, Biological Control of Bagrada Bug, *Bagrada hilaris* (Pentatomidae), \$25,500
APHIS Farm Bill, 2018, Monitoring for the presence and impact of *Trissolcus japonicus* –Classical
Biological Control of BMSB, \$20,000
USDA/ARS Cooperative Agreement, 2017, Taxonomy of Stink Bug Egg Parasitoids, \$25,000.

Awards

Early Career Outstanding Scientist Award, International Organization for Biological Control, 2018
Outstanding Appraisal Award, USDA, 2016
Outstanding Appraisal Award, USDA, 2015
Outstanding Appraisal Award, USDA, 2014
Outstanding Appraisal Award, USDA, 2013
Travel grant to International Congress of Entomology, International Society of Hymenopterists, 2012
Travel grant to International Congress of Entomology, Entomological Society of America, 2012
Dwight D. Delong Travel Award, The Ohio State University, 2010
W. Fred Hink Research Award, The Ohio State University, 2010
Travel grant to International Congress of Entomology, Entomological Society of America, 2008

Invited Presentations

USDA-ARS Overseas Biological Control Laboratories (OBCLs) stakeholder workshop, 2022
Kiwifruit Vine Health Biosecurity Organization, Tauranga, New Zealand, 2020
Horticulture New Zealand, Wellington, New Zealand, 2020
Plant & Food Research, Auckland, New Zealand, 2020
CSIRO Black Mountain, Canberra, Australia, 2020
CSIRO Ecosciences Precinct, Brisbane, Australia, 2020
Canadian National Collection of Insects, Ottawa, Canada, 2019
South China Agricultural University, Guangzhou, China, 2017
Department of Entomology Seminar Series, University of Florida, 2017
Vietnamese National Museum of Nature, Hanoi, Vietnam, 2016
Department of Entomology Seminar Series, Penn State University, 2014
Meeting of the Entomological Society of Washington, 2014
Department of Entomology Seminar Series, National Museum of Natural History, 2013

Professional Travels

2022, The Oxford University Museum of Natural History, Oxford, England
2022, 2009, The Natural History Museum, London, England
2022, Naturhistorisches Museum Wien, Vienna, Austria
2022, Staatliches Museum für Naturkunde, Stuttgart, Germany
2020, New Zealand Arthropod Collection, Auckland, New Zealand
2020, CSIRO Brisbane; Australian National Insect Collection, Canberra; South Australia Museum, Adelaide
2019, 2008, Iziko Museums of South Africa, Cape Town, South Africa
2019, 2017, Canadian National Collection of Insects, Ottawa, Canada
2019, Entomology Research Museum, University of California Riverside, California
2019, National Museum of Natural History, Paris, France
2019, European Biological Control Laboratory, Montpellier, France
2019, Natural History Museum of Giacomo Doria, Genoa, Italy
2019, 2017, Capital Normal University, Beijing, China
2019, 2018, National Museum of Natural History, Washington, DC
2018, National Museum of Ireland- Natural History Museum, Dublin, Ireland
2017, South China Agricultural University, Guangzhou, China
2016, Institute of Ecology and Biological Resources, Hanoi, Vietnam
2013, Zoological Institute of Russian Academy of Science, St. Petersburg, Russia
2010, Bernardino Rivadavia Museum of Natural Science, Buenos Aires, Argentina

Workshops

Annually since 2013, and most recently in March of 2020, I taught workshops on the identification of parasitoids of invasive stink bugs. In 2019, in collaboration with the European Biological Control Laboratory (USDA) and the Centre for Biology and Management of Populations, the first European workshop was held in Montpellier, France.

Peer-Reviewed Publications

2022

101-05) Popovici OA, Masner L, Lahey Z, Talamas E (2022) Revision of the Palearctic species of *Fidiobia* Ashmead (Hymenoptera, Platygastroidea). *Journal of Hymenoptera Research* 92: 23–144.

100-04) Dyer JE, Talamas EJ, Leskey TC, Bergh JC (2022) Evaluating Chemical Cues Associated with *Halyomorpha halys* Toward Enhanced Sensitivity of Surveillance for *Trissolcus japonicus*. *Environmental Entomology* 51: 679–687.

99-03) Dyer JE, Talamas EJ, Leskey TC, Bergh JC (2022) Influence of Trap Location in the Tree Canopy on Captures of Adventive *Trissolcus japonicus* (Hymenoptera: Scelionidae). *Journal of Economic Entomology* 15: 904–908.

98-02) Japoshvili G, Arabuli T, Salakaia M, Tskaruashvili Z, Kirkitadze G, Talamas E (2022) Surveys for *Halyomorpha halys* (Stål) (Hemiptera: Pentatomidae) and its biocontrol potential by parasitic wasps in the Republic of Georgia (Sakartvelo). *Phytoparasitica* 50: 127–137.

97-01) Straser RK, Daane DM, Talamas E, Wilson H (2022) Evaluation of egg parasitoid *Hadronotus pennsylvanicus* as a prospective biocontrol agent of the leaf-footed bug *Leptoglossus zonatus*. *BioControl* 191: 1–11.

2021

96-27) Weber DC, Hajek AE, Hoelmer KA, Schaffner U, Mason PG, Stouthamer R, Talamas EJ, Buffington M, Hoddle MS, Haye T (2021) Unintentional biological control. In: *Biological control: global impacts, challenges and future directions of pest management*. 110 pp.

95-26) Berteloot OH, Vervaeke L, Chen H, Talamas EJ, Van Leeuwen T, De Clercq P (2021) First record in Belgium of *Trissolcus basalis* (Hymenoptera, Scelionidae), an egg parasitoid of economically important stink bugs (Hemiptera, Pentatomidae). *Belgian Journal of Zoology* 151: 139–148.

94-25) Talamas E, Popovici OA (2021) The second record of *Platyscelio* (Hymenoptera: Scelionidae) in South America. *Travaux du Muséum National d'Histoire Naturelle "Grigore Antipa"* 64: 93–96.

93-24) Awad J, Bremer JS, Butterill PT, Moore MR, Talamas E (2021) A taxonomic treatment of *Synopeas* Förster (Platygastridae, Platygastrinae) from the island of New Guinea. In: Lahey Z, Talamas E (Eds) *Advances in the Systematics of Platygastroidea III*. *Journal of Hymenoptera Research* 87: 5–65.

92-23) Talamas E, Popovici O, Shih C, Ren D (2021) *Prototeleia* Talamas, Popovici, Shih & Ren: A new genus of Platygastridae from Burmese amber. In: Lahey Z, Talamas E (Eds) *Advances in the Systematics of Platygastroidea III*. *Journal of Hymenoptera Research* 87: 67–80.

- 91-22) Lahey Z, Talamas E, Masner L, Johnson NF (2021) Revision of the Australian genus *Alfredella* Masner & Huggert (Hymenoptera, Platygasteridae, Scelionidae). In: Lahey Z, Talamas E (Eds) Advances in the Systematics of Platygasteroidea III. Journal of Hymenoptera Research 87: 81–113.
- 90-21) van Noort S, Lahey Z, Talamas E, Austin AD, Masner L, Polaszek A, Johnson NF (2021) Review of Afrotropical scelionid parasitoid wasps (Hymenoptera, Platygasteridae). In: Lahey Z, Talamas E (Eds) Advances in the Systematics of Platygasteroidea III. Journal of Hymenoptera Research 87: 115–222.
- 89-20) Bremer J, van de Kamp T, Talamas EJ (2021) *Janzenella theia* Bremer & Talamas (Platygasteroidea, Janzenellidae): a new species from Baltic amber. In: Lahey Z, Talamas E (Eds) Advances in the Systematics of Platygasteroidea III. Journal of Hymenoptera Research 87: 223–233.
- 88-19) Mikó I, Raymond M, Talamas E (2021) New family-level characters for Platygasteroidea. In: Lahey Z, Talamas E (Eds) Advances in the Systematics of Platygasteroidea III. Journal of Hymenoptera Research 87: 235–249.
- 87-18) Vasilița C, Popovici O, Talamas E, Johnson NF, Masner L, Tortorici F, Fusu L (2021) Molecular analysis reveals *Latonius planus* Kononova to be a derived species of *Trissolcus* Ashmead. In: Lahey Z, Talamas E (Eds) Advances in the Systematics of Platygasteroidea III. Journal of Hymenoptera Research 87: 267–289.
- 86-17) Ranjbar F, Jalali A, Ziaaddini M, Gholamalizade Z, Talamas E (2021) Stink bug egg parasitoids (Scelionidae, Hymenoptera) associated with pistachio in Iran and description of a new species: *Trissolcus darreh* Talamas. In: Lahey Z, Talamas E (Eds) Advances in the Systematics of Platygasteroidea III. Journal of Hymenoptera Research 87: 291–308.
- 85-16) Ramirez-Ahuja ML, Davila-Barboza JA, Talamas EJ, Moore MR, Bobadilla-Utrera C, Ponce-Garcia G, Rodriguez-Sanchez IP, Flores AE (2021) First record of *Telenomus fariai* Costa Lima (1972) (Scelionidae, Telenominae) as parasitoid of *Triatoma dimidiata* (Latreille, 1811) (Reduviidae, Triatominae) eggs in Mexico. In: Lahey Z, Talamas E (Eds) Advances in the Systematics of Platygasteroidea III. Journal of Hymenoptera Research 87: 309–322.
- 84-15) Talamas E, Bremer J, Moore M, Bon MC, Lahey Z, Roberts C, Combee L, van Noort S, McGathay N, Timokhov A, Hougardy E, Hogg B (2021) A maximalist approach to the systematics of a biological control agent: *Gryon aetherium* Talamas, sp. n. (Hymenoptera, Scelionidae). In: Lahey Z, Talamas E (Eds) Advances in the Systematics of Platygasteroidea III. Journal of Hymenoptera Research 87: 323–480.
- 83-14) Hogg B, Hougardy E, Talamas E (2021) Adventive *Gryon aetherium* Talamas (Hymenoptera, Scelionidae) associated with eggs of bagrada bug, *Bagrada hilaris* (Burmeister) (Hemiptera, Pentatomidae), in the USA. In: Lahey Z, Talamas E (Eds) Advances in the Systematics of Platygasteroidea III. Journal of Hymenoptera Research 87: 481–492.
- 82-13) Rojas-Gálvez NR, Talamas E, Albornoz MV, Flores MF, Barros-Parada WA, Bout A (2021) *Gryon aetherium* Talamas (Hymenoptera, Scelionidae): Parasitoid of *Bagrada hilaris* (Burmeister) (Hemiptera, Pentatomidae) Adventive in Chile. In: Lahey Z, Talamas E (Eds) Advances in the Systematics of Platygasteroidea III. Journal of Hymenoptera Research 87: 493–501.

- 81-12) Birkmire S, Penca C, Talamas E, Moore M, Hodges A (2021) *Psix striaticiceps* (Dodd) (Hymenoptera, Scelionidae): an Old World parasitoid of stink bug eggs arrives in Florida, USA. In: Lahey Z, Talamas E (Eds) Advances in the Systematics of Platygastroidea III. Journal of Hymenoptera Research 87: 503–521.
- 80-11) Mikó I, Masner L, Raymond M, Hobbie J, Ulmer JM, Tarasov S, Seltmann KS, Margaría CB, Talamas E (2021) A taxonomic revision of *Gryonoides* Dodd 1920 (Hymenoptera, Scelionidae), with a review of the hosts of Teleasinae. In: Lahey Z, Talamas E (Eds) Advances in the Systematics of Platygastroidea III. Journal of Hymenoptera Research 87: 523–573.
- 79-10) Chen HY, Lahey Z, Talamas EJ, Valerio AA, Popovici OA, Musetti L, Klompen H, Polaszek A, Masner L, Austin AD, Johnson NF (2021) An integrated phylogenetic reassessment of the parasitoid superfamily Platygastroidea (Hymenoptera: Proctotrupomorpha) results in a revised familial classification. Systematic Entomology 46:1088–1113.
- 78-9) Japoshvili G, Arabuli T, Salakaia M, Tskaruashvili Z, Kirkitadze G, Talamas E (2021) Surveys for *Halyomorpha halys* (Stål) (Hemiptera: Pentatomidae) and its biocontrol potential by parasitic wasps in the Republic of Georgia (Sakartvelo). Phytoparasitica. doi.org/10.1007/s12600-021-00949-1
- 78-8) Caron V, Yonow T, Paull C, Talamas EJ, Avila GA, Hoelmer KA (2021) Preempting the Arrival of the Brown Marmorated Stink Bug, *Halyomorpha halys*: Biological Control Options for Australia. Insects 12: 581.
- 77-7) Chen MN, Santander RD, Talamas EJ, Jentsch PJ, Bon M-C, Acimovic SG (2021) Molecular Identification of *Trissolcus japonicus*, Parasitoid of the Brown Marmorated Stink Bug, by Species-Specific PCR. Insects 12: 467.
- 76-6) Peterson HM, Talamas E, Krawczyk G (2021) Survey for Adventive Populations of the Samurai Wasp, *Trissolcus japonicus* (Hymenoptera: Scelionidae) in Pennsylvania at Commercial Fruit Orchards and the Surrounding Forest. Insects 12: 258.
- 76-5) Ludwick DC, Leake LB, Morrison III WR, Lara JR, Hoddle MS, Talamas EJ, Leskey TC (2021) Influence of Holding Conditions and Storage Duration of *Halyomorpha halys* (Stål) Eggs on Adventive and Quarantine Populations of *Trissolcus japonicus* (Ashmead) Behavior and Parasitism Success. Environmental Entomology 20: 1–11.
- 75-4) Chen H, Lahey Z, Talamas EJ, Johnson NF (2021) Identification and expression of chemosensory receptor genes in the egg parasitoid *Trissolcus basalis*. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics 37: 100758.
- 74-3) Quinn NF, Talamas EJ, Leskey TC, Bergh JC (2021) Seasonal Captures of *Trissolcus japonicus* (Ashmead) (Hymenoptera: Scelionidae) and the Effects of Habitat Type and Tree Species on Detection Frequency. Insects 12: 118.

73-2) Johnson TD, Buffington ML, Gates MW, Kula RR, Talamas E (2021) Deployment of Aggregation-Sex Pheromones of Longhorned Beetles (Coleoptera: Cerambycidae) Facilitates the Discovery and Identification of their Parasitoids. *Journal of Chemical Ecology*, 1–15.

72-1) Ogburn EC, Heintz-Botz AS, Talamas EJ, Walgenbach JF (2021) Biological control of *Halymorpha halys* (Stål) (Hemiptera: Pentatomidae) in apple orchards versus corn fields and their adjacent woody habitats: High versus low pesticide-input. *Biological Control* 152: 104457.

2020

71-12) Ganjisaaffar F, Talamas EJ, Bon M-C, Perring TM (2020) First report and integrated analysis of two native *Trissolcus* species utilizing *Bagrada hilaris* eggs in California. *Journal of Hymenoptera Research* 80: 49–70.

70-11) Nam S, Chen H-Y, Talamas EJ, Lee G-S, Don W, Sun L-J, Lee S (2020) *Phanuromyia ricaniae* Nam, Lee & Talamas sp. n. (Hymenoptera: Scelionidae) reared from the eggs of *Ricania shantungensis* Chou & Lu (Hemiptera: Ricaniidae) in Asia. *Zootaxa* 4890: 109–118.

69-10) Ramírez-Ahuja ML, Garza-Gonzalez E, Talamas EJ, Gomez-Govea MA, Rodriguez-Perez MA, Zambrano-Robledo P, Rebollar-Tellez EA, Rodríguez-Sánchez IP (2020) Parasitoids of Chrysopidae eggs in Culiacan, Mexico. *Insects* 11: 849.

68-9) Florio J, Verú L, Dao A, Yaro SA, Diallo M, Sonogo LZ, Samaké D, Huestis DL, Ousman Y, Talamas E, Chamorro ML, Frank JH, Biondi M, Morkel C, Bartlett C, Linton Y-M, Strobach E, Chapman JW, Reynolds DR, Faiman R, Krajacich BJ, Smith CS, Lehmann T (2020) Diversity, dynamics, direction, and magnitude of high-altitude migrating insects in the Sahel. *Scientific Reports* 10: 20523.

67-8) Hepler JR, Athey K, Enicks D, Abram PK, Garipey TD, Talamas E, Beers E (2020) Hidden host mortality from an introduced parasitoid: Traditional and molecular evaluation of non-target risk. *Insects* 11: 822.

65-7) Chen H, Talamas E, Bon M-C, Moore M (2020) *Gryon ancilla* Kozlov & Lê (Hymenoptera: Scelionidae): host association, expanded distribution, redescription and a new synonymy. *Biodiversity Data Journal* 8: e47687. <https://doi.org/10.3897/BDJ.8.e47687>

63-6) Costi E, Wong WHL, Cossentine J, Acheampong S, Maistrello L, Haye T, Talamas EJ, Abram PK (2020) Variation in levels of acceptance, developmental success, and abortion of *Halymorpha halys* eggs by native North American parasitoids. *Biological Control* 151: 104396.

62-5) Holthouse MC, Schumm ZR, Talamas EJ, Spears LR, Alston DG (2020) Surveys in northern Utah for egg parasitoids of *Halymorpha halys* (Stål) (Hemiptera: Pentatomidae) detect *Trissolcus japonicus* (Ashmead) (Hymenoptera: Scelionidae). *Biodiversity Data Journal* 8: e53363. <https://doi.org/10.3897/BDJ.8.e53363>

61-4) Chen H, Talamas EJ, Pang H (2020) Notes on the hosts of *Trissolcus* Ashmead (Hymenoptera: Scelionidae) from China. *Biodiversity Data Journal* 8: e53786.

60-3) Tillman G, Toews M, Blaauw B, Sial A, Cottrell T, Talamas E, Buntin D, Joseph S, Balusu R, Fadamiro H, Lahiri S, Patel D (2020) Parasitism and predation of sentinel eggs of the invasive brown marmorated stink bug, *Halyomorpha halys* (Stål) (Hemiptera: Pentatomidae), in the southeastern US. *Biological Control* 145: 104247.

59-2) Ludwick D, Morrison WR, Acebes-Doria AL, Agnello AM, Bergh JC, Buffington ML, Hamilton GC, Harper JK, Hoelmer KA, Krawczyk G, Kuhar TP, Pfeiffer DG, Nielsen AL, Rice KB, Rodriguez-Saona C, Shearer PW, Shrewsbury PM, Talamas EJ, Walgenbach JF, Wiman NG, Leskey TC (2020) Invasion of the Brown Marmorated Stink Bug (Hemiptera: Pentatomidae) into the United States: Developing a National Response to an Invasive Species Crisis Through Collaborative Research and Outreach Efforts. *Journal of Integrated Pest Management* 11: 1–16.

58-1) Goltz CG, Awad J, Moore MR, Talamas EJ (2020) A fortuitous find: a unique haplotype of *Ooencyrtus nezarae* Ishii (Encyrtidae: Encyrtinae) discovered in Florida. *Biodiversity Data Journal* 8: e36440.

2019

57-18) Sabbatini Peverieri G, Mitroiu M-D, Bon M-C, Balusu R, Benvenuto L, Bernardinelli I, Fadamiro H, Falagiarda M, Fusu L, Grove E, Haye T, Hoelmer K, Lemke E, Malossini G, Marianelli L, Moore MR, Pozzebon A, Roversi P-F, Scaccini D, Shrewsbury P, Tillman G, Tirello P, Waterworth R, Talamas EJ (2019) Surveys of stink bug egg parasitism in Asia, Europe and North America, morphological taxonomy, and molecular analysis reveal the Holarctic distribution of *Acroclisoides sinicus* (Huang & Liao) (Hymenoptera, Pteromalidae). *Journal of Hymenoptera Research* 74: 123–151.

56-17) Talamas EJ, Johnson NF, Shih C, Ren D (2019) Proterosceliopsidae: A new family of Platygastroidea from Cretaceous amber. In: Talamas E (Eds) *Advances in the Systematics of Platygastroidea II*. *Journal of Hymenoptera Research* 73: 3–38.

55-16) Rajmohana K, Sachin JP, Talamas EJ, Shamyasree MS, Jalali SK, Rakshit O (2019) *Paratelenomus anu* Rajmohana, Sachin & Talamas (Hymenoptera, Scelionidae): description and biology of a new species of phoretic egg parasitoid of *Megacopta cribraria* (Fab.) (Hemiptera, Plataspidae). In: Talamas E (Eds) *Advances in the Systematics of Platygastroidea II*. *Journal of Hymenoptera Research* 73: 103–123.

54-15) Lomeli-Flores JR, Rodríguez-Rodríguez SE, Rodríguez-Levya E, González-Hernández H, Garipey TD, Talamas EJ (2019) Field studies and molecular forensics identify a new association: *Idris elba* Talamas, sp. nov. parasitizes the eggs of *Bagrada hilaris* (Burmeister). In: Talamas E (Eds) *Advances in the Systematics of Platygastroidea II*. *Journal of Hymenoptera Research* 73: 125–141.

53-14) Felipe-Victoriano M, Talamas EJ, Sánchez-Peña SR (2019) Scelionidae (Hymenoptera) parasitizing eggs of *Bagrada hilaris* (Hemiptera, Pentatomidae) in Mexico. In: Talamas E (Eds) *Advances in the Systematics of Platygastroidea II*. *Journal of Hymenoptera Research* 73: 143–152.

52-13) Tortorici F, Talamas EJ, Moraglio ST, Pansa MG, Asadi-Farfar M, Tavella L, Caleca V (2019) A morphological, biological and molecular approach reveals four cryptic species of *Trissolcus*

Ashmead (Hymenoptera, Scelionidae), egg parasitoids of Pentatomidae (Hemiptera). In: Talamas E (Eds) *Advances in the Systematics of Platygastroidea II*. *Journal of Hymenoptera Research* 73: 153–200.

51-12) Talamas EJ, Bon M-C, Hoelmer KA, Buffington ML (2019) Molecular phylogeny of *Trissolcus* wasps (Hymenoptera, Scelionidae) associated with *Halyomorpha halys* (Hemiptera, Pentatomidae). In: Talamas E (Eds) *Advances in the Systematics of Platygastroidea II*. *Journal of Hymenoptera Research* 73: 201–217.

50-11) Balusu RR, Talamas EJ, Cottrell TE, Toews MD, Blaauw BR, Sial AA, Buntin DG, Fadamiro HY, Tillman G (2019) First record of *Trissolcus basalis* (Hymenoptera: Scelionidae) parasitizing *Halyomorpha halys* (Hemiptera: Pentatomidae) in the United States. *Biodiversity Data Journal* 7: e39247.

49-10) Huestis DL, Dao A, Diallo M, Sanogo ZL, Samake D, Yaro AS, Ousman Y, Linton Y-M, Krishna A, Veru L, Krajacich BJ, Faiman R, Florio J, Chapman JW, Reynolds DR, Weetman D, Mitchell R, Donnelly JM, Talamas E, Chamorro L, Strobach E, Lehmann T (2019) Windborne long-distance migration of malaria mosquitoes in the Sahel. *Nature* 574: 404–408.

48-9) Garipey TD, Talamas EJ (2019) Discovery of *Trissolcus japonicus* (Hymenoptera: Scelionidae) in Ontario, Canada. *The Canadian Entomologist* 151: 824–826.

47-8) Martel G, Augé M, Talamas E, Roche M, Smith L, Sforza RFH (2019) First laboratory evaluation of *Gryon gonikopalense* (Hymenoptera: Scelionidae), as potential biological control agent of *Bagrada hilaris* (Hemiptera: Pentatomidae). *Biological Control* 135: 48–56.

46-7) Kpongbe H, Van den Berg J, Khamis F, Tamò M, Talamas EJ, Torto B (2019) Exploring levels of egg parasitism and variation in egg cuticular chemistry in different *Clavigralla* spp. *Journal of Applied Entomology* 143: 842–854.

45-6) Quinn NF, Talamas EJ, Bergh JC (2019) Sampling Methods for Adventive *Trissolcus japonicus* (Hymenoptera: Scelionidae) in a Wild Tree Host of *Halyomorpha halys* (Hemiptera: Pentatomidae). *Journal of Economic Entomology* 112: 1997–2000.

44-5) Abram PK, Talamas EJ, Acheampong S, Mason PG, Garipey TD (2019) First detection of the samurai wasp, *Trissolcus japonicus* (Ashmead) (Hymenoptera, Scelionidae), in Canada. *Journal of Hymenoptera Research* 68: 29–36.

43-4) Stucky B, Balhoff J, Barve N, Barve V, Brenskelle L, Brush M, Dahlem G, Gilbert J, Kawahara A, Keller O, Lucky A, Mayhew P, Plotkin D, Seltsmann K, Talamas E, Vaidya G, Walls R, Yoder M, Zhang G, Guralnick R (2019) Developing a vocabulary and ontology for modeling insect natural history data: example data, use cases, and competency questions. *Biodiversity Data Journal* 7: e33303.

42-3) Jarrett BJM, Pote J, Talamas E, Gut L, Szucs M (2019) The Discovery of *Trissolcus japonicus* (Hymenoptera: Scelionidae) in Michigan. *The Great Lakes Entomologist* 5: 6–11.

41-2) Balusu R, Cottrell T, Talamas E, Toews M, Blaauw B, Sial A, Buntin D, Vinson E, Fadamiro H, Tillman G (2019) New record of *Trissolcus solocis* (Hymenoptera: Scelionidae) parasitising

Halyomorpha halys (Hemiptera: Pentatomidae) in the United States of America. Biodiversity Data Journal 7: e30124.

40-1) Quinn NF, Talamas EJ, Acebes-Doria AL, Leskey TC, Bergh JC (2019) Vertical Sampling in Tree Canopies for *Halyomorpha halys* (Hemiptera: Pentatomidae) Life Stages and its Egg Parasitoid, *Trissolcus japonicus* (Hymenoptera: Scelionidae). Environmental Entomology 48: 173–180.

2018

39-10) Garipey TD, Bruin A, Konopka J, Scott-Dupree C, Fraser H, Bon MC, Talamas EJ (2018) A modified DNA barcode approach to define trophic interactions between native and exotic pentatomids and their parasitoids. Molecular Ecology 28: 456–470.

38-9) Buffington ML, Talamas EJ, Hoelmer KA (2018) Team *Trissolcus*: Integrating Taxonomy and Biological Control to Combat the Brown Marmorated Stink Bug. American Entomologist 64: 224–232.

37-8) Kaser JM, Akotsen-Mensah C, Talamas EJ, Nielsen A (2018) First report of *Trissolcus japonicus* parasitizing *Halyomorpha halys* in North American agriculture. Florida Entomologist 101: 680–683.

36-7) Ganjisaffar F, Talamas EJ, Bon MC, Gonzalez L, Brown BV, Perring TM (2018) *Trissolcus hyalinipennis* Rajmohana & Narendran (Hymenoptera, Scelionidae), a parasitoid of *Bagrada hilaris* (Burmeister) (Hemiptera, Pentatomidae), emerges in North America. Journal of Hymenoptera Research 65: 111–130.

35-6) Sabbatini Peverieri G, Talamas E, Bon MC, Marianelli L, Bernardinelli I, Malossini G, Benvenuto L, Roversi PF, Hoelmer K (2018) Two Asian egg parasitoids of *Halyomorpha halys* (Stål) (Hemiptera, Pentatomidae) emerge in northern Italy: *Trissolcus mitsukurii* (Ashmead) and *Trissolcus japonicus* (Ashmead) (Hymenoptera, Scelionidae). Journal of Hymenoptera Research 67: 37–53.

34-5) Chen H-y, Talamas E, Valerio AA, Masner L, Johnson NF (2018) Revision of the World species of the genus *Chromoteleia* Ashmead (Hymenoptera, Platygasteridae, Scelioninae). ZooKeys 778: 1–95.

33-4) Veenakumari K, Popovici O, Talamas E, Mohanraj P (2018) *Indiscelio*: A new genus of Scelionidae (Platygastroidea) from India. Journal of Asia-Pacific Entomology 21: 571–577.

32-3) Morrison R, Blaauw B, Nielsen A, Talamas E, Leskey T (2018) Predation and parasitism by native and exotic natural enemies of *Halyomorpha halys* (Stål) (Hemiptera: Pentatomidae) eggs augmented with semiochemicals and differing host stimuli. Biological Control 121: 140–150.

31-2) Chen H-y, Talamas E, Masner L, Johnson N (2018) Revision of the world species of the genus *Habroteleia* Kieffer (Hymenoptera, Platygasteridae, Scelioninae). ZooKeys 730: 87–122.

30-1) Popovici OA, Masner L, Viciriu M, Pintilioaie A, Notton DG, Talamas E (2018) New distribution data for some charismatic tramp species of Platygastroidea (Hymenoptera). Zootaxa 4370: 1–22.

2017

29-9) Tognon R, Aldrich JR, Buffington ML, Talamas EJ, Sant'Ana J, Zalom FG (2017) *Halyomorpha halys* (Heteroptera: Pentatomidae) egg surface chemicals inhibit North American *Telenomus* and *Trissolcus* (Hymenoptera: Scelionidae) parasitism. *Biological Control* 114: 39–44.

28-8) Talamas E, Buffington M, Hoelmer K (2017) Revision of Palearctic *Trissolcus* Ashmead (Hymenoptera: Scelionidae). In: Talamas EJ, Buffington ML (Eds) *Advances in the Systematics of Platygastroidea*. *Journal of Hymenoptera Research* 56: 3–185.

27-7) Talamas E, Thompson J, Cutler A, Fitzsimmons Schoenberger S, Cuminale A, Jung T, Johnson N, Valerio A, Smith A, Haltermann V, Alvarez E, Schwantes C, Blewer C, Bodenreider C, Salzberg A, Luo P, Meislin D, Buffington M (2017) A photographic catalog of primary types of Platygastroidea (Hymenoptera) in the National Museum of Natural History, Smithsonian Institution. In: Talamas EJ, Buffington ML (Eds) *Advances in the Systematics of Platygastroidea*. *Journal of Hymenoptera Research* 56: 187–224.

26-6) Talamas E, Pham T (2017) Photographic catalog of Platygastroidea (Hymenoptera) in the Institute of Ecology and Biological Resources (Hanoi, Vietnam). In: Talamas EJ, Buffington ML (Eds) *Advances in the Systematics of Platygastroidea*. *Journal of Hymenoptera Research* 56: 225–239.

25-5) Talamas E, Johnson N, Buffington M, Ren D (2017) *Archaeoteleia* Masner in the Cretaceous and a new species of *Proteroscelio* Brues (Hymenoptera, Platygastroidea). In: Talamas EJ, Buffington ML (Eds) *Advances in the Systematics of Platygastroidea*. *Journal of Hymenoptera Research* 56: 241–261.

24-4) Talamas E, Mikó I, Johnston-Jordan D (2017) Convergence in the ovipositor system of platygastroid wasps (Hymenoptera). In: Talamas EJ, Buffington ML (Eds) *Advances in the Systematics of Platygastroidea*. *Journal of Hymenoptera Research* 56: 263–276.

23-3) Veenakumari K, Talamas E, Rajmohana K, Mohanraj P (2017) Two new species of *Apteroscelio* Kieffer (Hymenoptera: Scelionidae) from India. *Zootaxa* 4277: 137–143.

22-2) Abram P, Hoelmer K, Acebes-Doria A, Andrews H, Beers E, Bergh J, Bessin R, Biddinger D, Botch P, Buffington M, Cornelius M, Costi E, Delfosse E, Dieckhoff C, Dobson R, Donais Z, Grieshop M, Hamilton G, Haye T, Hedstrom C, Herlihy M, Hoddle M, Hooks C, Jentsch P, Joshi N, Kuhar T, Lara J, Lee J, Legrand A, Leskey T, Lowenstein D, Maistrello L, Mathews C, Milnes J, Morrison III J, Nielsen A, Ogburn E, Pickett C, Poley K, Pote J, Radl J, Shrewsbury P, Talamas E, Tavella L, Walgenbach J, Waterworth R, Weber D, Welty C, Wiman N (2017) Indigenous arthropod natural enemies of the invasive brown marmorated stink bug in North America and Europe. *Journal of Pest Science* doi:10.1007/s10340-017-0891-7

21-1) Zhang J, Zhang F, Garipey T, Mason P, Gillespie D, Talamas E, Haye T (2017) Seasonal parasitism and host specificity of *Trissolcus japonicus* in Northern China. *Journal of Pest Science* 1–15. doi:10.1007/s10340-017-0863-y

2016

20-7) Cornelius ML, Dieckhoff C, Hoelmer KA, Olsen RT, Weber DC, Herlihy MV, Talamas EJ, Vinyard BT, Greenstone MH (2016) Biological control of sentinel egg masses of the exotic invasive stink bug *Halyomorpha halys* (Stål) in Mid-Atlantic USA ornamental landscapes. *Biological Control* 103: 11–20.

19-6) Talamas E, Masner L (2016) Revision of New World *Helava* Masner & Huggert (Platygastridae, Sceliotrachelinae). Journal of Hymenoptera Research 53: 1–24. doi:10.3897/jhr.53.10217

18-5) Talamas E, Johnston-Jordan D, Buffington M (2016) *Calliscelio* Ashmead Expands (Hymenoptera: Scelionidae). Proceedings of the Entomological Society of Washington, 118: 404–423. doi:10.4289/0013-8797.118.3.404

17-4) Talamas E, Mikó I, Copeland R (2016) Revision of *Dvivarnus* (Scelionidae, Teleasinae). Journal of Hymenoptera Research 49: 1-23. doi:10.3897/JHR.49.7714

16-3) Herlihy M, Talamas E, Weber D (2016) Attack and Success of Native and Exotic Parasitoids on Eggs of *Halyomorpha halys* in Three Maryland Habitats. PLoS ONE 11(3): e0150275. doi:10.1371/journal.pone.0150275

15-2) Cornelius M, Buffington M, Talamas E, Gates M (2016) Impact of the Egg Parasitoid, *Gryon pennsylvanicum* (Hymenoptera: Scelionidae), on Sentinel and Wild Egg Masses of the Squash Bug (Hemiptera: Coreidae) in Maryland. Environmental Entomology 45: 367-375. doi:10.1093/ee/nvv228

14-1) Milnes J, Wiman N, Talamas E, Brunner J, Hoelmer K, Buffington M, Beers E (2016) Discovery of an exotic egg parasitoid of the brown marmorated stink bug, *Halyomorpha halys* (Stål) in the Pacific Northwest. Proceedings of the Entomological Society of Washington 118: 466–470.

2015

13-4) Talamas E, Buffington M (2015) Fossil Platygastroidea in the National Museum of Natural History, Smithsonian Institution. Journal of Hymenoptera Research 47: 1-52. doi:10.3897/JHR.47.5730

12-3) Talamas E, Johnson N, Buffington M (2015) Key to Nearctic species of *Trissolcus* Ashmead (Hymenoptera, Scelionidae), natural enemies of native and invasive stink bugs (Hemiptera, Pentatomidae). Journal of Hymenoptera Research 43: 45–110. doi:10.3897/JHR.43.8560

11-2) Talamas E, Herlihy M, Dieckhoff C, Hoelmer K, Buffington M, Bon M-C, Weber D (2015) *Trissolcus japonicus* (Ashmead) (Hymenoptera, Scelionidae) emerges in North America. Journal of Hymenoptera Research 43: 119–128. doi:10.3897/JHR.43.4661

10-1) Talamas E, Buffington M (2015) Synonymy of *Kozlotelenomus* Mineo, O'Connor & Ashe. Journal of Hymenoptera Research, 43: 111–117. doi:10.3897/JHR.43.8561

2014

9) Talamas E, Buffington M (2014) Updates to the Nomenclature of Platygastroidea in the Zoological Institute of the Russian Academy of Sciences. Journal of Hymenoptera Research 39: 99–117. doi:10.3897/jhr.39.7698

2013

8-3) Gardner W, Blount J, Golec J, Jones W, Hu X-P, Talamas E, Evans R, Dong X, Ray C, Buntin G, Gerardo N, Couret J (2013) Discovery of *Paratelenomus saccharalis* (Dodd) (Hymenoptera:

Platygastridae), an Egg Parasitoid of *Megacopta cribraria* F. (Hemiptera: Plataspidae) in its Expanded North American Range. *Journal of Entomological Science* 48: 355–359.

7-2) Talamas E, Masner L, Johnson N (2013) Systematics of *Trichoteleia* Kieffer and *Paridris* Kieffer (Hymenoptera, Platygastroidea, Platygastridae). *Journal of Hymenoptera Research* 34: 1–79. doi:10.3897/jhr.34.4714

6-1) Talamas E, Buffington M, Hoelmer K (2013) New synonymy of *Trissolcus halyomorphae* Yang. *Journal of Hymenoptera Research* 33: 113–117. doi:10.3897/jhr.33.5627

2012

5-2) Talamas E, Masner L, Johnson N (2012) *Paridris* Kieffer of the New World (Hymenoptera, Platygastroidea, Platygastridae). *ZooKeys* 233: 30–91. doi:10.3897/zookeys.233.3455

4-1) Seltmann K, Yoder M, Miko I, Forshage M, Bertone M, Agosti D, Austin A, Balhoff J, Borowiec M, Brady S, Broad G, Brothers D, Burks R, Buffington M, Campbell H, Dew K, Ernst A, Fernandez-Triana J, Gates M, Gibson G, Jennings J, Johnson N, Karlsson D, Kawada R, Krogmann L, Kula R, Mullins P, Ohl M, Rasmussen C, Ronquist F, Schulmeister S, Sharkey M, Talamas E, Tucker E, Vilhelmsen L, Ward PS, Wharton R, Deans A (2012) A hymenopterists' guide to the Hymenoptera Anatomy Ontology: utility, clarification, and future directions. *Journal of Hymenoptera Research* 27: 67–88. doi:10.3897/jhr.27.2961

2011

3-2) Talamas E, Masner L, Johnson N (2011) Revision of the *Paridris nephta* species group (Hymenoptera, Platygastroidea, Platygastridae). *ZooKeys* 133: 49–94. doi:10.3897/zookeys.133.1613

2-1) Talamas E, Masner L, Johnson N (2011) Revision of the Malagasy genus *Trichoteleia* Kieffer (Hymenoptera, Platygastroidea, Platygastridae). *ZooKeys* 80: 1–126. doi:10.3897/zookeys.80.907

2010

1-1) Talamas E, Johnson N, van Noort S, Masner L, Polaszek A (2009) Revision of world species of the genus *Oreiscelio* Kieffer (Hymenoptera, Platygastroidea, Platygastridae). *ZooKeys* 6: 1–68. doi:10.3897/zookeys.6.67