

Curriculum Vitae: Andrew V. Suarez

PERSONAL

University of Illinois, Urbana-Champaign (UIUC)
Professor and Head, Department of Evolution, Ecology and Behavior
Professor, Department of Entomology
515 Morrill Hall, 505 S. Goodwin Ave, Urbana, IL 61801
217-244-6631; suarez2@illinois.edu; sib.illinois.edu/suarez

EDUCATION

1991 B.S. (Ecology, Ethology and Evolution), University of Illinois, Urbana
1994 M.S. (Biology), University of Illinois, Urbana. Scott K. Robinson advisor
1994 Organization for Tropical Studies, course 94-1. Costa Rica
2000 Ph.D. (Biology), University of California, San Diego. Ted J. Case advisor
2003 Ant Course, August 7-17, Southwestern Research Station, Portal, AZ

PROFESSIONAL EXPERIENCE

2014-present Head, Department of Evolution, Ecology and Behavior, UIUC
2014-present Professor, Department of Evolution, Ecology and Behavior, UIUC
2014-present Professor, Department of Entomology
2011-2019 Director, VInTG IGERT Fellowship Program, UIUC
2013-2014 Director, Program in Ecology, Evolution and Conservation Biology, UIUC
2009-2014 Associate Professor, Departments of Animal Biology & Entomology, UIUC
2003-2009 Assistant Professor, Departments of Animal Biology & Entomology, UIUC
2001-2003 Miller Research Fellow, University of California, Berkeley. Department of Environmental Science, Policy and Management. George K. Roderick sponsor
2000-2001 USDA Post-doctoral Fellow. University of California, Davis. Department of Entomology. Philip S. Ward sponsor
2004-present Affiliate, Program in Ecology, Evolution and Conservation Biology, UIUC
2004-present Affiliate, Institute for Genomic Biology, UIUC
2006-present Affiliate, Beckman Institute for Advanced Science and Technology, UIUC

AWARDS AND RECOGNITIONS

1992, 1993 Teaching Assistant Award, UIUC
1997-2000 Canon National Parks Science Scholar
1996 Teaching Assistant Award, University of California San Diego
1997 ARCO Award for Environmental Sciences. Best Student Paper, Southern California Academy of Sciences. Fullerton, CA
2000 George C. Eickwort Student Research Award. North American Section, International Union for the Study of Social Insects
2004-2018 List of Teachers Ranked as Excellent by Their Students, UIUC (15 occasions for IB 105, IB 199, IB 329/429, IB 430)
2009-2010 I.C. Gunsalus Scholar, UIUC
2010-2012 University Scholar, UIUC
2012 Perry Adkisson Distinguished Speaker, Texas A&M University
2014 Distinguished Visiting Scientist, Feb – July, CSIRO, Darwin, Australia
2015 University of Central Florida, Graduate Faculty Scholar
2015 Department Executive Officer Fellow, Committee for Instructional Cooperation (now Big Ten Alliance)
2015 “YouTube Your Entomology” winner, Entomology Society of America (with Adrian Smith and Fred Larabee)

Curriculum Vitae: Andrew V. Suarez

- 2017 LAS Dean's Award for Excellence in Undergraduate Teaching, UIUC
2017 University of Illinois Campus Award for Excellence in Undergraduate Teaching
2018-2019 President's Executive Leadership Program Fellow, UIUC
2019 Perry Adkisson Distinguished Speaker, Texas A&M University
2020 American Association for the Advancement of Science Fellow

TEACHING EXPERIENCE

- IB 105 *Environmental Science* (2004, 2006, 2008-2013)
IB 203 *Ecology* (2018-2019)
IB 429 / IB 329 *Animal Behavior* (2005, 2007-08, 2010, 2012-13, 2015-2019)
IB 430 *Animal Behavior Lab* (2014, 2015, 2017)
IB 199 Discovery Course, *Ecological Consequences of Globalization* (2004, 2006)
IB 452 Graduate Seminar, *Biological Invasions* (2004 with Carla Caceres)
IB 496 Graduate Seminar, *Ecological Stoichiometry* (2009 with Angela Kent)
IB 496 Graduate Seminar, *Social Insect Reading Group* (2005 – 2010, 2015)
IB 496 Graduate Seminar, *Foundations in Ecology* (2012 with Carla Caceres)
IB 526 Graduate Seminar, *Foundations in Behavior* (2012)
IB 526 Graduate Seminar, *Biological Invasions* (2016 with Eric Larson)
ACES 298 *Wildlife Study Abroad Program – South Africa* (summer 2008, 2009, 2010)
Instructor, *Ant Course*

- 2004, Aug. 2-13, La Selva, Costa Rica
2005, Aug. 5-14, Southwestern Research Station, Portal, Arizona
2006, Aug. 7-19, James Cook University, Cairns, Australia
2007, Aug. 2-12, Southwestern Research Station, Portal, Arizona
2008, Aug. 9-20, Rancho Grande Field Station, Venezuela
2009, Aug. 6-16, Southwestern Research Station, Portal, Arizona
2010, Aug. 16-26, Danum Valley Field Center, Sabah, Borneo
2011, Aug. 4-14, Southwestern Research Station, Portal, Arizona
2012, Aug. 6-16, Makerere University Biological Field Station, Kibale, Uganda.
2013, Aug. 4-15, Villa Carmen, Manu Biosphere Reserve, Peru.
2014, July 21-31, Maliau Basin, Sabah, Borneo
2016, July 28-Aug. 7, Gorongosa National Park, Mozambique

Instructor, *Organization for Tropical Studies*, 2006, June 27-July 10, La Selva, Costa Rica.

GRANTS

- 2000-2002 USDA NRICGP Grant 200-3011. Entomology and Nematology, Post-doctoral Fellowship. \$90,000
2003-2005 NSF INT-0305660. "Collaborative Research: Factors promoting coexistence between sympatric, native populations of Argentine ants and fire ants." (Suarez PI, David Holway co-PI). \$58,567
2004-2006. NSF International Research Fellows Program. Postdoctoral Grant. (Lori Lach PI – Suarez sponsor). \$160,425
2005 William and Flora Hewlett International Research Travel Grant, University of Illinois. \$3,000
2005-2008 NSF DBI-0447379. "Hymenopteran Biodiversity Informatics at the Illinois Natural History Survey." (Colin Favret PI; James Whitfield, John Marlin, Sydney Cameron, Andrew Suarez Co-PIs). \$427,961

Curriculum Vitae: Andrew V. Suarez

- 2005-2006 NSF DBI-0516452. “Trophic Ecology of Ant Invasions as Revealed Through Stable Isotope Analysis.” (Suarez PI; Chad Tillberg co-PI). \$95,000
- 2005-2008 Beckman Institute for Advanced Science and Technology, seed grant. “Generating extreme speeds and force from small, simple materials: Biologically inspired models from striking ability in trap-jaw ants.” (Suarez PI; Xudong Zhang, Fred Delcomyn, Sheila Patek Co-PIs). \$139,083
- 2007-2010 NSF DEB-0716966. “Collaborative Research: Do positive species interactions promote invasions? Effects of ant-hemipteran mutualisms on the success and consequences of ant invasions.” (Suarez PI; Micky Eubanks, David Holway co-PIs). \$599,074
- 2010-2012 USDA Cooperative Agreement. “Lucid tool to invasive North America ants.” (Suarez PI, Eli Sarnat co-PI). \$92,960
- 2010-2014 NSF DEB-1020979. “Collaborative Research: Speciation and Evolution of Fire Ants – An Integrated Population Genetic, Phylogenetic, and Ecological Approach.” (Suarez PI, Dietzek Gotzek, Ken Ross co-PIs). \$415,979
- 2011-2019 NSF DGE-1069157. “IGERT: Vertically Integrative Training with Genomics.” (Suarez PI, Carla Caceres, Gene Robinson, Sandra Rodrigues-Zas, and Owen McMillan co-PIs). \$3,198,426
- 2013-2014 Lemann Institute for Brazilian Studies, Center for Latin American and Caribbean Studies, Univ. of Illinois. Faculty Research Grant. “Biological data from ants in Brazil”. (Suarez PI, Jo-Anne Holley co-PI). \$17,802.
- 2013-2014 United States Department of Agriculture – APHIS – PPQ. Cooperative Agreement-13-8130-0320. “Resources for off-shore and port invasive ant detection and identification.” (Suarez PI, Eli Sarnat co-PI). \$97,900.
- 2014-2016 NSF Doctoral Dissertation Improvement Grant. DEB-1407279. “Dissertation Research: The evolution and functional morphology of trap-jaw ants in the genera *Anochetus* and *Odontomachus*.” (Fred Larabee PI). \$20,031.
- 2014-2016 National Geographic Society. NGS 948114. “Evolution of multi-functional high-performance machines: the rapid mandible strike of trap-jaw ants.” (Suarez PI). \$18,300.
- 2017-2018 NSF Doctoral Dissertation Improvement Grant. DEB 1701501. “Dissertation Research: Linking mechanisms to pattern in community assembly: ant-mediated seed dispersal in tropical pioneer trees.” (Selina Ruzi PI). \$15,389.
- 2018-2021 NSF IOS-1755336. “Greater than the sum of its parts? The role of mechanical sensitivity and integration in the evolution of power-amplified systems.” (Phil Anderson PI, Suarez co-PI). \$613,183.

PROFESSIONAL ACTIVITIES

Member: American Association for the Advancement of Science; Ecological Society of America; Entomological Society of America; International Union for the Study of Social Insects

Societies: 2006-2015 Editorial Board, *Annales Zoologici Fennici*
2006-2012 IUSSI, North American Section, Eickwort Student Award Committee
2007-2014 Editorial Board, *Biological Invasions*
2016- Subject Editor, *Myrmecological News*

Panels: NSF Dissertation Improvement Grant Panel (2004, Feb 25-27)
NSF Animal Behavior Grant Panel (2006, April 19-21)

Curriculum Vitae: Andrew V. Suarez

NSF Population and Community Ecology Grant Panel (2011, Oct. 26-28)
NSF Research Traineeship Program (NRT) Grant Panel (2015, June 16-18)
NSF Research Traineeship Program (NRT) Grant Panel (2016, April 12-14)
NSF Population and Community Ecology Grant Panel (2016, Nov. 2-4)
USDA Agricultural Research Service Panel (2019, June 26)

Reviewer: > 200 Manuscripts from 50+ Journals including: American Naturalist; Animal Behavior; Behavioral Ecology; Behavioral Ecology and Sociobiology; BioScience; Conservation Biology; Current Biology; Current Opinion in Insect Science, Diversity and Distributions; Ecography; Ecological Entomology; Ecology; Ecology Letters; Evolution; Insectes Sociaux; Journal of Insect Physiology, Molecular Ecology; Nature Communications; Oecologia; PLoS ONE; Proceedings of the National Academy of Sciences USA; Proceedings of the Royal Society of London Series B; PloS Biology; Quarterly Review of Biology; Science; Scientific Reports, Trends in Ecology and Evolution

Grants: Canon National Parks Science Scholars Program; Department of Energy; National Fish and Wildlife Foundation; National Geographic; NSF (Animal Behavior, Career, Ecology, Population and Evolutionary Processes); Sigma Delta Epsilon-Graduate Women in Science Fellowship, USDA (ARS, Entomology / Nematology, Integrative Biology of Arthropods and Nematodes, T-STAR); United States – Israel Bi-National Agricultural Research and Development Fund

External Examiner:

PhD Thesis. Flinders University of South Australia, Adelaide. 2005.
PhD Thesis. University of New England, Armidale, Australia. 2006.
PhD Thesis. University of Auckland, New Zealand. 2007.
PhD Thesis. Stellenbosch University, South Africa. 2008.
Senior Comprehensive Exams. Biology, Earlham College, Indiana. 2010.
PhD Thesis, *Opponent*. University of Jyvaskyla, Finland. 2010.
PhD Thesis. Victoria University of Wellington, New Zealand. 2012.
PhD Thesis. Stellenbosch University, South Africa. 2013.
PhD Thesis. Pablo de Olavide University, Seville, Spain. 2019.

Workshops: 2000. Point Loma Inventory and Monitoring Vital Signs Workshop. Jan. 25-27, San Diego, CA.
2000. “Management of Subsidized and Exotic Animals.” Planning for Biodiversity: Bringing Research and Management Together. Workshop sponsored by USDA/USGS. Feb. 29–Mar. 2, 2000. Pomona, CA.
2000. National Park Service Biological Inventories Workshop. June 14-15. Thousands Oaks, CA.
2002. Coastal Commission Workshop on the Significance of Native Habitats in the Santa Monica Mountains. June 13, Long Beach, CA.
2003. Connectivity conservation: Maintaining connections for nature. Workshop sponsored by The Nature Conservancy. Oct. 17-19, Boulder, CO.
2006. Environmental Change in Human Altered Environments: An International Summit. Feb. 8-10, Institute of the Environment. University of California, Los Angeles, CA.
2008 Organismal Ecology and Evolution of Invasive Species. Oct. 27, University of Kentucky, Lexington, KY.

Curriculum Vitae: Andrew V. Suarez

- 2008 The Biology of a Global Invader: the Argentine ant. July 16-18 Stellenbosch University, South Africa. (organizer)
- 2009 Global Ant Project – Biodiversity Synthesis Meeting. Nov. 5-7. Field Museum of Natural History, Chicago.
- 2015 Broadening Participation Through Mentoring - What Really Works? SACNAS Conference. Oct. 28. National Harbor, MD.
- 2016 Behavior in Conservation Workshop. Mar 15-17. San Diego Zoo, CA.
- 2018 Advances in imaging, quantifying and understanding the evolution of ant phenotypes. Mar 26-28. Okinawa Institute for Science and Technology, Japan.

Illinois:

- 2004-2007 School of Integrative Biology Fellowship Committee
- 2004-2005 PEEC Graduate Programs Committee
- 2004-2007 Dept. Animal Biology Graduate Programs Committee
- 2004-2005 PEEC Steering Committee
- 2004-2007 Graduate College Career Advisory Committee
- 2005-2007 Dept. Entomology, Director of Graduate Studies
- 2007-2010 Center for Latin American and Caribbean Studies, Exec. Committee
- 2008-2010 School of Integrative Biology, Fellowship Committee
- 2009-2010 PEEC Graduate Programs Committee
- 2009-2011 School of Integrative Biology, Executive Committee
- 2011-2013 PEEC Steering Committee
- 2011-2014 Dept. Entomology, Director of Graduate Studies
- 2011-2013 Dept. Animal Biology Graduate Programs Committee
- 2012-2013 School of Integrative Biology Communications Committee
- 2012-2014 Postdoctoral Affairs Office Advisory Committee
- 2013 School of Integrative Biology Curriculum Committee
- 2013 Provost's Strategic Plan Working Group
- 2013 Illinois Partners for Diversity Summit
- 2013-2014 Faculty Senate
- 2013-2016 University Scholar Selection Committee
- 2013-present School of Integrative Biology, Executive Committee
- 2014-2016 CLACS Tinker Fellowship Committee
- 2014-2015 Graduate College Mentoring Workshop
- 2015-2017 LAS Discovery and Admitted Student Days
- 2015-2018 LAS Executive Committee
- 2016 Instructional Budget Committee
- 2016 College of Liberal Arts and Sciences Dean Search
- 2016 Involving Undergraduates in Research
- 2016-2017 Beckman Institute Director Search
- 2017 New Faculty Orientation
- 2017-2018 OVCR, Committee for Field Research (Chair)
- 2018 Promotion and Tenure Panel - "Making your Dossier Speak for Itself"
- 2018 Senior Leadership Retreat – "Reflects on Leadership: Mentoring"
- 2018-2019 Secretary of the Faculty, College of Liberal Arts and Sciences
- 2019-2020 Beckman Institute Coordinating Committee
- 2019-2021 Campus Promotion and Tenure Committee (Chair)
- 2019-2021 Center for Latin American and Caribbean Studies, Exec. Committee

Curriculum Vitae: Andrew V. Suarez

MENTORING

- Ph.D.: Chris R. Smith (2008) Program in Ecology, Evolution & Conservation Biology
current position: Associate Professor, Earlham College, IN.
Moni C. Berg-Binder (2011) Department of Animal Biology.
current position: Associate Professor, Saint Mary's Univ. of Minnesota.
Bill D. Wills (2013) Department of Animal Biology
current position: Assistant Research Professor, Auburn University, AL.
Jo-anne Holley (2015) Department of Entomology
current position: Postdoc, University of Texas, Austin.
Fredrick J. Larabee (2015) Department of Entomology
current position: Postdoc, Smithsonian Institution, Washington DC.
Priscila Hanisch (2018) University of Buenos Aires, Argentina
current position: Postdoc, Museo de Ciencias Naturales, Argentina.
Selina Ruzi (2019) Program in Ecology, Evolution & Conservation Biology
current position: NSF Postdoc, North Carolina State University, NC
Rafael Achury (2019) Department of Entomology
Kim Drager (*current*) Department of Animal Biology
Josh Gibson (*current*) Department of Entomology
Michael Rivera (*current*) Program in Ecology, Evolution & Conservation Biology
- Masters: Sara Kantarovich (2008) Department of Entomology. *current position:*
Technical Director, Smithereen Pest Management Services, Chicago, IL.
Joesph Laird (2010) Department of Entomology.
current position: Research Assistant, University of Iowa.
Andrea Walker (2013) Department of Entomology.
current position: Natural Bridges State Beach Interpretive Specialist, CA.
- Postdocs: Chadwick V. Tillberg (2004-2006). Professor, Linfield College, OR.
Lori Lach (2004-2006). Senior Lecturer, James Cook Univ., Cairns, Australia.
Joseph C. Spagna (2006-2008). Associate Professor, William Paterson Univ., NJ.
Eli M. Sarnat (2010-2014). Postdoc, Okinawa Institute of Science and Technology
Dietrich Gotzek (2011-2014). Postdoc, Smithsonian Institution, Washington DC
Adrian A. Smith (2011-2015). Head, Evolutionary Biology Research Lab, North Carolina Museum of Natural Sciences.
Doug Booher (2018-present).

INVITED LECTURES (since 2010)

- 2010 Osher Lifelong Learning Institute, Feb. 4, Champaign, IL.
2010 Illinois State University, School of Biological Sciences. Feb. 11. Bloomington, IL
2010 Chicago Field Museum, Feb. 24. Chicago, IL
2010 University of Wisconsin, Evolution Seminar Series. Feb. 25. Madison, WI
2010 University of Illinois, Green Initiatives, YMCA, April 21. Champaign, IL.
2010 International Invasive Ant Management Workshop, April 27-29, CSIRO, Darwin, Australia. (*Keynote speaker*)
2010 University of Jyväskylä, Department of Biological and Environmental Science, June 18. Jyväskylä, Finland
2010 University of Illinois, Pre-Vet club, Oct. 18, Urbana, IL.
2010 Entomology Society of America. Dec. 12-15, San Diego, CA

Curriculum Vitae: Andrew V. Suarez

- 2011 University of Illinois at Chicago, Dept. of Biological Sciences, March 1, Chicago, IL.
- 2011 University of Illinois, Dept. of Natural Resources and Environmental Science, March 4, Urbana, IL.
- 2011 Entomology Society of America, Pacific Branch, March 27-30, Waikoloa, HI
- 2011 Southern Illinois University, Dept. of Biology, April 21, Carbondale, IL.
- 2011 Tyson Research Center, Washington University, June 16, Eureka, MO.
- 2011 Combined Australian and New Zealand Entomological Societies Conference, Aug. 27-Sept. 1, Lincoln University, New Zealand. (*Keynote speaker*).
- 2011 Eastern Illinois University, Dept. of Biological Sciences, Sept. 21. Charleston, IL.
- 2011 Boston University, Dept. of Biology, Oct. 24. Boston, MA.
- 2011 University of Florida, Dept. of Entomology, Nov. 3. Gainesville, FL.
- 2012 Osher Lifelong Learning Institute, Jan. 23, Champaign, IL.
- 2012 37th Annual Meeting and Symposium of the Desert Tortoise Council. Special Session on Horned Lizards. Feb 18. Las Vegas, NV.
- 2012 Texas A&M University, Department of Entomology. Perry Adkisson Distinguished Speaker. Sept 20. College Station, TX.
- 2012 Council of Agriculture Taiwan and USDA Conference on Invasive Species. Sept 24. Taipei, China. (*Keynote Speaker*).
- 2012 National Taiwan University, Department of Entomology. Sept 25. Taipei, China.
- 2012 Entomological Society of America, Symposium: Anatomy of an invasion: requirements, benefits and possible implications for successful invaders. Nov 14. Knoxville, TN.
- 2012 University of California Riverside and Palm Desert Graduate Center, Boyd Deep Canyon Lecture Series. Dec 13. Palm Desert, CA.
- 2013 Smithsonian Tropical Research Institute. Feb 11. Gamboa, Panama.
- 2013 McGill University, Department of Biology. March 29. Montreal, Canada.
- 2013 Ethology Investigates: Invasive Species – an Online Conference. Wiley-Blackwell. April 15. (*Featured Speaker*).
- 2013 Michigan State University, Ecology Evolutionary Biology and Behavioral Program, Sept. 12. East Lansing, MI.
- 2013 Ohio State University, Department of Entomology, Ohio Agricultural Research and Development Center, Sept. 18. Wooster, Ohio.
- 2013 The Wildlife Society, Symposium “Indirect Effects of Invasive Species”. Oct. 9. Milwaukee, WI.
- 2013 XXI Simposio de Mirmecologia: an International Ant Meeting. Symposium “Foraging strategies in ants”. Dec 4. Fortaleza, Brazil.
- 2013 XXI Simposio de Mirmecologia: an International Ant Meeting. Symposium “Control of pest ants and invasion processes”. Dec 5. Fortaleza, Brazil.
- 2014 Biodiversity Informatics Symposium. CSIRO Discovery & Australian National University. April 23. Canberra, Australia.
- 2014 National Taiwan University, Master Program for Plant Medicine. May 12. Taipei, Taiwan.
- 2014 Institute of Ecology and Evolutionary Biology, National Taiwan University. May 15. Taipei, Taiwan.
- 2014 James Cook University, Centre for Tropical Environmental and Sustainability Science (TESS). May 21. Cairns, Australia.
- 2014 University of Adelaide, School of Earth & Environmental Sciences. Jun 16. Adelaide, Australia.

Curriculum Vitae: Andrew V. Suarez

- 2014 International Union for the Study of Social Insects, Symposium “Advances in social insect systems in the urban landscape”. July 14. Cairns, Australia.
- 2014 University of Illinois, College of Engineering Graduate & Professional Programs. Multi-Cultural Engineering Recruitment for Graduate Education (MERGE). Oct 10. Urbana, IL.
- 2014 University of Georgia, Department of Entomology. Nov 3. Athens, GA.
- 2015 Smithsonian Tropical Research Institute. Jan 16. Gamboa, Panama.
- 2015 University of Illinois, Department of Mathematics. April 9. Urbana, IL.
- 2015 University of Missouri, Division of Biological Sciences, Oct 14. Columbia, MO.
- 2015 Invasive Species Council of British Columbia. Oct 21. Webinar.
- 2016 University of Chicago, Committee on Evolutionary Biology, Evolutionary Morphology Seminar Series. Jan 28. Chicago, IL.
- 2016 International Congress of Entomology, Symposium “How human activities shape the global distribution of insects”. Sept 26. Orlando, FL.
- 2017 Purdue University, Department of Entomology. Feb. 23. West Lafayette, IN.
- 2017 University of Illinois, Center for Latin American and Caribbean Studies. Mar. 16. Champaign, IL.
- 2017 Thompson Rivers University, Department of Biology. Mar. 30. Kamloops, BC, Canada.
- 2017 University of Vermont, Department of Biology, Apr. 3. Burlington, VT.
- 2017 XXIII Simposio de Mirmecologia, Oct. 26. Curitiba, Parana, Brazil (*Keynote Speaker*).
- 2018 Orpheum Children’s Science Museum, “Science For All” public lecture series. Feb. 1. Champaign, IL
- 2018 Okinawa Institute for Science and Technology, March 28, Okinawa, Japan.
- 2018 International Union for the Study of Social Insects, Symposium “Past and future of social insect invasions”. August 9. Guarujá, Brazil.
- 2018 Institute for Genomic Biology, Genetic Engineering Technical Workshop: Genomics for NCSI. Nov 30. Urbana, IL.
- 2019 Texas A&M University, Department of Entomology. Perry Adkisson Distinguished Speaker. Nov 7. College Station, TX.
- 2019 Entomological Society of America, Symposium: The road to sociality: Integrated concepts of social behavior in insects. Nov 16. St. Louis, MO.

PUBLICATIONS

- 1997 Suarez, A.V., K.S. Pfennig and S.K. Robinson. Nesting success of a disturbance-dependent songbird on different kinds of edges. Conservation Biology 11: 928-935.
- 1998 Ippolito, A and A.V. Suarez. The flowering and pollination ecology of *Cobaea aschersoniana* Brand (Polemoniaceae). Biotropica 30: 145-148.
- 1998 Suarez, A.V., C. De Moraes and A. Ippolito. Defense of *Acacia collinsii* by obligate and non-obligate ants: the role of encroaching vegetation. Biotropica 30: 480-482.
- 1998 Suarez, A.V., D.T. Bolger and T.J. Case. Effects of fragmentation and invasion on native ant communities in coastal southern California. Ecology 79: 2041-2056.
- 1998 Holway, D.A., A.V. Suarez and T.J. Case. Loss of intraspecific aggression underlies the success of a widespread invasive social insect. Science 282: 949-952.
- 1999 Holway, D.A. and A.V. Suarez. Animal behavior: an essential component of invasion biology. Trends in Ecology and Evolution 14: 328-330.
- 1999 Suarez, A.V., N.D. Tsutsui, D.A. Holway and T.J. Case. Behavioral and genetic differentiation between native and introduced populations of the Argentine ant. Biological Invasions 1: 43-53.
- 2000 Hee, J.J., D.A. Holway, A.V. Suarez and T.J. Case. Role of propagule size in the success of incipient colonies of the invasive Argentine ant. Conservation Biology 14: 559-563.

Curriculum Vitae: Andrew V. Suarez

- 2000 Tsutsui, N.D., A.V. Suarez, D.A. Holway and T.J. Case. Reduced genetic variation and the success of an invasive species. Proceedings of the National Academy of Sciences USA 97:5948-5953.
- 2000 Suarez, A.V., J.Q. Richmond and T.J. Case. Prey selection in horned lizards following the invasion of Argentine ants in southern California. Ecological Applications 10:711-725.
- 2000 Bolger, D.T., A.V. Suarez, K.R. Crooks, S.A. Morrison and T.J. Case. Arthropods in urban habitat fragments in southern California: area, age and edge effects. Ecological Applications 10:1230-1248.
- 2001 Suarez, A.V., D.A. Holway and T.J. Case. Patterns of spread in biological invasions dominated by jump dispersal: insights from Argentine ants. Proceedings of the National Academy of Sciences USA 98:1095-1100.
- 2001 Crooks, K.R., A.V. Suarez, D.T. Bolger and M.E. Soulé. Extinction and colonization dynamics of birds on habitat islands. Conservation Biology 15:159-172.
- 2001 Tsutsui, N.D., A.V. Suarez, D.A. Holway and T.J. Case. Relationship among native and introduced populations of the Argentine ant (*Linepithema humile*) and the source of introduced populations. Molecular Ecology 10:2151-2161.
- 2002 Suarez, A.V. and T.J. Case. Bottom-up effects on the persistence of a specialist predator: ant invasions and coastal horned lizards. Ecological Applications 12:291-298.
- 2002 Fisher, R.N., A.V. Suarez and T.J. Case. Spatial patterns in the abundance of the coastal horned lizard. Conservation Biology 16:205-215.
- 2002 Holway, D.A., A.V. Suarez and T.J. Case. The role of abiotic factors in governing susceptibility to invasion: a test with a widespread invasive social insect. Ecology 83:1610-1619.
- 2002 Holway, D.A., L. Lach, A.V. Suarez, N.D. Tsutsui and T.J. Case. The ecological causes and consequences of ant invasions. Annual Review Of Ecology and Systematics 33:181-233.
- 2002 Suarez, A.V., D.A. Holway, D. Liang, N.D. Tsutsui and T.J. Case. Spatio-temporal patterns in intraspecific aggression in the invasive Argentine ant. Animal Behavior 64:697-708.
- 2002 Suarez, A.V., M. Benard, N.D. Tsutsui, T.A. Blackledge, K. Copren, E.M. Sarnat, A.L. Wild, W.M. Getz, P.T. Starks, K. Will, P.J. Palsbøll, M.E. Hauber, C. Moritz, and A.D. Richman. Correspondence: Conflicts around a study of Mexican crops. Nature 417:897.
- 2003 Tsutsui, N.D., A.V. Suarez, and R.K. Grosberg. Genetic diversity, asymmetrical aggression, and cooperation in a widespread invasive species. Proceedings of the National Academy of Sciences USA 100:1078-1083.
- 2003 Tsutsui, N.D. and A.V. Suarez. The colony structure and population biology of invasive ants. Conservation Biology 17:48-58.
- 2003 Suarez, A.V. and T.J. Case. The ecological consequences of a fragmentation mediated invasion: The Argentine Ant, *Linepithema humile*, in southern California. Pages 161-180 in G.A. Bradshaw and P. Marquet (eds.), How landscapes change: Human disturbance and ecosystem disruptions in the Americas. Ecological Studies, Vol. 162. Springer-Verlag, Berlin.
- 2004 Crooks, K.R., A.V. Suarez, and D.T. Bolger. Avian assemblages along a gradient of urbanization in a highly fragmented landscape. Biological Conservation 115:451-462.
- 2004 Holway, D.A. and A.V. Suarez. Colony structure variation and interspecific competitive ability in the invasive Argentine ant. Oecologia 138:216-222.

Curriculum Vitae: Andrew V. Suarez

- 2004 Suarez, A.V. and N.D. Tsutsui. The value of museum collections to research and society. Bioscience 54:66-74.
- 2004 Payne, C.M., C.V. Tillberg, and A.V. Suarez. Recognition systems and biological invasions. Annales Zoologici Fennici. 41:843-858. (cover article)
- 2004 Roura-Pascual, N., A.V. Suarez, C. Gómez, P. Pons, Y. Touyama, A.L. Wild, and A. Townsend Peterson. Geographic potential of Argentine ants (*Linepithema humile* Mayr) in the face of global climate change. Proceedings of the Royal Society of London, Series B. 271: 2527-2534.
- 2005 Suarez, A.V., D.A. Holway, and P.S. Ward. The role of opportunity in the unintentional introduction of invasive ants. Proceedings of the National Academy of Sciences USA 102:17032-17035. (cover article)
- 2005 Suarez, A.V., P. Yeh, and T.J. Case. Impacts of Argentine ants on avian nesting success. Insectes Sociaux. 52: 378-383.
- 2006 Holway, D.A., and A.V. Suarez. Homogenization of ant communities in Mediterranean California: the effects of urbanization and invasion. Biological Conservation 127:319-326.
- 2006 Tillberg, C.V., D.P. McCarthy, A.G. Dolezal, and A.V. Suarez. Measuring the trophic ecology of ants using stable isotopes. Insectes Sociaux. 53:65-69.
- 2006 Crooks, J. and A.V. Suarez. Hyperconnectivity and the global breakdown of natural barriers to dispersal. Pages 451-478 (Chapter 18) in *Connectivity Conservation: Maintaining Connections for Nature*. K.R. Crooks and M.A. Sanjayan eds. Cambridge University Press.
- 2006 Roura-Pascual, N., A.V. Suarez, C. Gómez, P. Pons, Y. Touyama, A.L. Wild, K. McNyset, F. Gascon, and A. Townsend Peterson. Niche differentiation and fine scale regional projections for Argentine ants based on remotely-sensed data. Ecological Applications. 16:1832-1841.
- 2006 Thomas, M.L., C.M. Payne, A.V. Suarez, N.D. Tsutsui, and D.A. Holway. When supercolonies collide: territorial aggression in an invasive unicolonial social insect. Molecular Ecology. 15: 4304-4315.
- 2006 Patek, S.N., J.E. Baio, B.L. Fisher and A.V. Suarez. Multifunctionality and mechanical origins: ballistic jaw propulsion in trap-jaw ants. Proceedings of the National Academy of Sciences, USA 103:12787-12792.
- 2006 The Honeybee Genome Sequencing Consortium. Insights into social insects from the genome of the honeybee *Apis mellifera*. Nature 443:931-949.
- 2006 Whitfield, C.W., S.K. Behura, S.H. Berlocher, A.G. Clark, J.S. Johnston, W.S. Sheppard, D.R. Smith, A.V. Suarez, D. Weaver, and N.D. Tsutsui. Thrice out of Africa: Ancient and recent expansions of the honey bee *Apis mellifera*. Science 314:642-645.
- 2007 LeBrun, E.G., C.V. Tillberg, A.V. Suarez, P. Folgarait, C.R. Smith, and D.A. Holway. An experimental study of competitive interactions between red imported fire ants and Argentine ants in a region of native-range sympatry. Ecology. 88:63-75.
- 2007 Thomas, M.L., C.M. Payne, A.V. Suarez, N.D. Tsutsui, and D.A. Holway. Contact between supercolonies elevates aggression in Argentine ants. Insectes Sociaux 54:225-233.
- 2007 Smith, C.R., C. Schoenick, K.E. Anderson, J. Gadau, and A.V. Suarez. Potential and realized reproduction by different worker castes in queen-less and queen-right colonies of *Pogonomyrmex badius*. Insectes Sociaux 54:260-267.
- 2007 Dunn, R.R. *et al.* Global ant (Hymenoptera: Formicidae) biodiversity and biogeography – a new database and its possibilities. Myrmecological News 10:77-83.

Curriculum Vitae: Andrew V. Suarez

- 2007 Tillberg, C.V., D.A. Holway, E.G. LeBrun, and A.V. Suarez. Trophic ecology of invasive Argentine ants in their native and introduced ranges. Proceedings of the National Academy of Sciences, USA 104:20856-20861.
- 2008 Suarez, A.V., and N.D. Tsutsui. The evolutionary consequences of biological invasions. Molecular Ecology 17:351-360.
- 2008 Steiner, F.M., B.C. Schlick-Steiner, J.J. VanDerWal, K.D. Reuther, E. Christian, C. Stauffer, A.V. Suarez, S.E. Williams and R.H. Crozier. Combined modeling of distribution and niche in invasion biology: a case study of two invasive *Tetramorium* ant species. Diversity and Distributions 14:538-545.
- 2008 Tsutsui, N.D., A.V. Suarez, J.C. Spagna, and J.S. Johnston. The evolution of genome size in ants. BMC Evolutionary Biology 8:64. (doi:10.1186/1471-2148-8-64)
- 2008 Suarez, A.V., D.A. Holway, and N.D. Tsutsui. Genetics and behavior of a colonizing species: the invasive Argentine ant. The American Naturalist 172(supp.):72-84
- 2008 Spagna, J.C., A.I. Vakis, S.N. Patek, X. Zhang, and A.V. Suarez. Multifunctionality, scaling, and the generation of extreme forces in trap-jaw ants. Journal of Experimental Biology 211:2358-2368.
- 2008 Roura-Pascual, N., and A.V. Suarez. The utility of species distribution models to predict the spread of invasive ants and to anticipate changes in their ranges in the face of global climate change. Myrmecological News 11:67-77.
- 2008 Smith, C.R., K.E. Andersen, C.V. Tillberg, J. Gadau, and A.V. Suarez. Caste determination in a polymorphic social insect: nutritional, social and genetic factors. American Naturalist 172: 497-507.
- 2008 Bolger, D.T, K.H. Beard, A.V. Suarez and T.J. Case. Increased abundance of native and non-native spiders with habitat fragmentation. Diversity and Distributions 14:655-665.
- 2008 Smith, C.R., A.L. Toth, A.V. Suarez and G.E. Robinson. Genetic and genomic analyses of division of labor in insect societies. Nature Review Genetics 9:735-748.
- 2009 Spagna, J.C, A. Schelkopf, T. Carillo, and A.V. Suarez. Evidence of behavioral co-option from context-dependant variation in mandible use in trap-jaw ants. Naturwissenschaften 96:243-250.
- 2009 Dunn, R.R. *et al.* Climatic drivers of hemispheric asymmetry in global patterns of ant species richness. Ecology Letters 12:324-333.
- 2009 Suarez, A.V. Science for parks / parks for science: Conservation based research in national parks. Park Science 26:1-7.
- 2009 Pitt, J.P.W., S.P. Worner, and A.V. Suarez. Predicting Argentine ant spread over the heterogeneous landscape using a spatially-explicit stochastic model. Ecological Applications 19:1176-1186.
- 2009 Scholes, D.R., and A.V. Suarez. Speed-versus-accuracy trade-offs during nest relocation in Argentine ants (*Linepithema humile*) and odorous house ants (*Tapinoma sessile*). Insectes Sociaux 56:413-418.
- 2009 Wetterer, J.K., A.L. Wild, A.V. Suarez, N. Roura-Pascual, and X. Espadaler. Worldwide spread of the Argentine ant, *Linepithema humile* (Hymenoptera: Formicidae). Myrmecological News 12:187-194.
- 2009 Cokendolpher, J.C., J.R. Reddell, S.J. Taylor, J.K. Krejca, A.V. Suarez and C.E. Pekins. Further ants (Hymenoptera: Formicidae) from caves of Texas. Texas Memorial Museum Speleological Monographs 7:151-168.
- 2010 Suarez, A.V., T. McGlynn, and N.D. Tsutsui. Biogeographic patterns of the origins and spread of introduced ants. Pages 233-244 (Chapter 13) in *Ant Ecology*. Lach, L., Parr, K., and Abbot, K. eds. Oxford University Press.

Curriculum Vitae: Andrew V. Suarez

- 2010 Suarez, A.V. and J. Spagna. Trap jaw ants. Pages 216-217 (Box 12 in Chapter 15) in *Ant Ecology*. Lach, L., Parr, K., and Abbot, K. eds. Oxford University Press.
- 2010 Smith, C.R., and A.V. Suarez. The trophic ecology of castes in *Pogonomyrmex badius* colonies. *Functional Ecology* 24:122-130.
- 2010 Johnson, S.R., J.A. Copello, M.S. Evans, and A.V. Suarez. A biochemical characterization of the major peptides from the venom of the giant neotropical hunting ant *Dinoponera australis*. *Toxicon* 55:702-710.
- 2010 Wilder, S.M., A.V. Suarez, and M.D. Eubanks. The use of simulation modeling to evaluate the mechanisms responsible for the nutritional benefits of food-for-protection mutualisms. *Ecological Modelling* 221:1505-1511.
- 2010 Menke, S.B., A.V. Suarez, C.V. Tillberg, C.T. Chou, and D.A. Holway. Trophic ecology of the invasive Argentine ant: spatio-temporal variation in resource assimilation and isotopic enrichment. *Oecologia* 164:763-771.
- 2010 Lach, L., C.V. Tillberg, and A.V. Suarez. Contrasting effects of an invasive ant on a native and invasive plant. *Biological Invasions* 12:3123-3133.
- 2010 Weiser, M. *et al.* Canopy and litter ant assemblages share similar climate-species density relationships. *Biology Letters* 6:769-772.
- 2011 Roura-Pascual, N., C. Hui, T. Ikeda, G. Leday, D.M. Richardson, S. Carpintero, X. Espadaler, C. Gómez, B. Guénard, S. Hartley, P. Krushelnycky, P.J. Lester, M.A. McGeoch, S.B. Menke, J.S. Pedersen, J.P.W. Pitt, J. Reyes, N.J. Sanders, A.V. Suarez, Y. Touyama, D. Ward, P.S. Ward, and S.P. Worner. The relative roles of climatic suitability and anthropogenic influence in determining the pattern of spread in a global invader. *Proceedings of the National Academy of Sciences USA* 108:220-225.
- 2011 Smith, C.D., *et al.* The draft genome of the globally widespread and invasive Argentine ant. *Proceedings of the National Academy of Sciences USA* 108:5673-5678.
- 2011 Sanders, N.J. and A.V. Suarez. Elton's insights into the ecology of ant invasions: lessons learned and lessons still to be learned. Pages 239-251 (Chapter 18) in *Fifty years of invasion ecology: The Legacy of Charles Elton*. D.M. Richardson, Ed. Wiley-Blackwell.
- 2011 Wilder, S.M., D.A. Holway, A.V. Suarez, and M.D. Eubanks. Carbohydrate-Limited Growth in a Carnivorous Arthropod. *Ecology* 92:325-332.
- 2011 Smith, C.R., A.V. Suarez, N.D. Tsutsui, S.E. Wittman, B. Edmonds, A. Freauff, and C.V. Tillberg. Nutritional asymmetries are related to division of labor in a queenless ant. *PLoS ONE* 6(8): e24011. doi:10.1371/journal.pone.0024011
- 2011 Wilder, S.M., D.A. Holway, A.V. Suarez, E. G. LeBrun and M.D. Eubanks. Intercontinental differences in resource use reveal the importance of mutualisms in fire ant invasions. *Proceedings of the National Academy of Sciences USA* 108:20639-20644.
- 2012 Huang, D., R. Zhang, K.C. Kim, and A.V. Suarez. Spatial Pattern and determinants of the first detection locations of invasive alien species in mainland China. *PLoS ONE* 7(2): e31734. doi:10.1371/journal.pone.0031734
- 2012 Berg-Binder, M.C. and A.V. Suarez. Testing the directed dispersal hypothesis: are native ant mounds (*Formica* sp.) favorable microhabitats for an invasive plant? *Oecologia* 169:763-772.
- 2012 Phillips, B.L., and A.V. Suarez. The role of behavioural variation in the invasion of new areas. Pages 190-200 (Chapter 14) in *Behavioural responses to a changing world: mechanisms and consequences*. U. Canolin and B.M. Wong, Eds. Oxford University Press.
- 2012 Suarez, A.V., and E.L. Suhr. Ecological and evolutionary perspectives on “supercolonies”: a commentary on Moffett. *Behavioral Ecology* 23:937-938.

Curriculum Vitae: Andrew V. Suarez

- 2012 Smith, A.A., J.G. Millar, L.M. Hanks, and A.V. Suarez. Experimental evidence that workers recognize reproductives through cuticular hydrocarbons in the ant *Odontomachus brunneus*. Behavioral Ecology and Sociobiology 66:1267-1276.
- 2013 Wilder, S.M., T.R. Barnum, D.A. Holway, A.V. Suarez, and M.D. Eubanks. Introduced fire ants can exclude native ants from critical mutualist-provided resources. Oecologia 172:197-205.
- 2013 Scholes, D.R., A.V. Suarez, and K.N. Paige. Can endopolyploidy explain size variation within and between castes in ants? Ecology and Evolution 3:2128-2137. doi:10.1002/ece3.623
- 2013 Smith, A.A., J.G. Millar, L. Hanks, and A.V. Suarez. A conserved fertility signal despite population variation in the cuticular hydrocarbon phenotype of the trap-jaw ant *Odontomachus brunneus*. Journal of Experimental Biology 216:3917-3924.
- 2014 Smith, A.A., W. Vanderpool, J.G. Millar, L.M. Hanks, and A.V. Suarez. Conserved male-specific cuticular hydrocarbon patterns in the trap-jaw ant *Odontomachus brunneus*. Chemoecology 24:29-34.
- 2014 Tillberg, C.V., B. Edmonds, A. Freauff, P. Hanisch, C. Paris, C.R. Smith, N.D. Tsutsui, B.D. Wills, S.E. Wittman, and A.V. Suarez. Foraging and nesting ecology of *Dinoponera australis*. Biotropica 46:229-237. (cover article)
- 2014 Larabee, F.J., and A.V. Suarez. The evolution and functional morphology of trap-jaw ants. Myrmecological News 20:25-36.
- 2014 Scholes, D.R., A.V. Suarez, A.A. Smith, J.S. Johnston, and K.N. Paige. Patterns of endopolyploidy and organ function in the giant ant *Dinoponera australis*. Journal of Hymenoptera Research 37:113-126.
- 2014 Wills, B.D., C.S. Moreau, B.D. Wray, B.D. Hoffmann, and A.V. Suarez. Body size variation and caste ratios in geographically distinct populations of the invasive big-headed ant, *Pheidole megacephala* (Hymenoptera: Formicidae). Biological Journal of the Linnean Society 113:423-438.
- 2015 Smith, A.A., J.G. Millar, and A.V. Suarez. A social insect fertility signal is dependent on chemical context. Biology Letters 11:2014097. doi:10.1098/rsbl.2014.0947 (cover article).
- 2015 Gotzek, D., H.J. Axen, A.V. Suarez, S. Helms-Cahan, and D. Shoemaker. Global invasion history of the tropical fire ant: a stowaway on the first global trade routes. Molecular Ecology 24:374-388. doi:10.1111/mec.13040
- 2015 Larabee, F.J., and A.V. Suarez. Mandible-powered escape jumps in trap-jaw ants increase survival rates in predatory-prey encounters. PLoS ONE 10(5): e0124871. doi:10.1371/journal.pone.0124871
- 2015 Hanisch, P.E., L. Calcaterra, M. LePonce, R. Achury, A.V. Suarez, R.R. Silva, and C. Paris. Check-list of ground-dwelling ant diversity (Hymenoptera: Formicidae) of Iguazu National Park with a comparison to regional ant faunas. Sociobiology 62:213-227. doi:10.13102/sociobiology.v62i2.213-227
- 2015 Wills, B.D., C.D. Chong, S.M. Wilder, M.D. Eubanks, D.A. Holway, and A.V. Suarez. Effects of nutrition on investment in worker number, size, and condition in a polymorphic social insect. PLoS ONE 10(7): e0132440. doi:10.1371/journal.pone.0132440
- 2015 Smith, C.R., S. Helms Cahan, C. Kemena, S.G. Brady, W. Yang, E. Bornberg-Bauer, T. Eriksson, J. Gadau, M. Helmpkamp, D. Gotzek, M.O. Miyakawa, A.V. Suarez, and A. Mikheyev. How do genomes create novel phenotypes? Insights from the loss of the worker caste in ant social parasites. Molecular Biology and Evolution 32:2919-2931. doi:10.1093/molbeh/msv165. (cover article)

Curriculum Vitae: Andrew V. Suarez

- 2016 Smith, A.A., J.G. Millar, L.M. Hanks, and A.V. Suarez. Comparative analysis of fertility signals and sex-specific cuticular chemical profiles of *Odontomachus* trap-jaw ants. Journal of Experimental Biology 219:419-430. doi:10.1242/jeb.128850
- 2016 O'Fallon, S., A.V. Suarez, and A.A. Smith. A comparative analysis of rapid antennation behavior in four species of *Odontomachus* trap-jaw ants. Insectes Sociaux 63:265-270. doi:10.1007/s00040-016-0462-6
- 2016 Holley, J.C., C.M. Moreau, J. Laird, and A.V. Suarez. Subcaste-specific evolution of head size in the ant genus *Pheidole*. Biological Journal of the Linnean Society 118:472-485.
- 2016 Belcher, A.K., M.R. Berenbaum, and A.V. Suarez. Urbana house ants 2.0: Revisiting M.R. Smith's 1926 survey of house-infesting ants in central Illinois after 87 years. American Entomologist 62:182-193. doi:10.1093/ae/tmw041
- 2016 Larabee, F.J., B.L. Fisher, C.A. Schmidt, P. Matos-Maravi, M. Janda, and A.V. Suarez. Molecular phylogenetics and diversification of trap-jaw ants in the genera *Anochetus* and *Odontomachus* (Hymenoptera: Formicidae). Molecular Phylogenetics and Evolution 103:143-154. doi:10.1016/j.ympev.2016.07.024
- 2016 Greggor, A.L., O. Berger-Tai, D.T. Blumstein, L. Angeloni, C. Bessa-Gomes, B.F. Blackwell, C.C. St. Clair, K. Crooks, S. de Silva, E. Fernandez-Juricic, S.Z. Goldenberg, S.L. Mesnick, M. Owen, C.J. Price, D. Saltz, C.J. Schell, A.V. Suarez, R.R. Swaisgood, C.S. Winchell, and W.J. Sutherland. Research priorities from animal behavior for maximising conservation progress. Trends in Ecology and Evolution 31:953-964.
- 2017 Lester, P.J., A. Sebastein, A.V. Suarez, R.F. Barbieri, and M.A.M. Gruber. Symbiotic bacterial communities in ants are modified by invasion pathway bottlenecks and alter host behavior. Ecology 98:861-874.
- 2017 Hu, Y., D.A. Holway, P. Lukasik, L. Chau, A.D. Kay, E.G. LeBrun, K.A. Miller, J.G. Sanders, A.V. Suarez, and J.A. Russell. By their own devices: invasive Argentine ants have shifted diet without clear aid from symbiotic microbes. Molecular Ecology 26:1608-1630.
- 2017 Gibb, H., *et.al.* A global database of ant species abundances. Ecology 98:883-884. (Data Paper: <http://onlinelibrary.wiley.com/doi/10.1002/ecy.1682/supinfo>)
- 2017 Larabee, F.L., W. Gronenberg, and A.V. Suarez. Performance, morphology, and neuronal control of spring-loaded mandibles in the trap-jaw ant *Myrmoteras* (Hymenoptera: Formicidae). Journal of Experimental Biology 220:3062-3071. doi:10.1242/jeb.156513
- 2017 Hanisch, P.E., P.D. Lavinia, A.V. Suarez, D.A. Lijtmaer, M. Leponce, C.I. Paris, and P.L. Tubaro. Mind the gap! Integrating taxonomic approaches to assess ant diversity at the southern extreme of the Atlantic Forest. Ecology and Evolution 7:10451-10466. doi:10.1002/ece3.3549.
- 2017 Suarez, A.V., and T. McGlynn. The fallacy of open-access publication. Chronicle of Higher Education online Nov. 15, 2017: www.chronicle.com/article/The-Fallacy-of-Open-Access/241786. *in print* Jan. 15, 2018, page A45.
- 2018 Wills, B.D., S. Powell, M.D. Rivera, and A.V. Suarez. Correlates and consequences of worker polymorphism in ants. Annual Review of Entomology 63:575-598.
- 2018 Gibson, J.C., F.J. Larabee, A. Touchard, J. Orivel, and A.V. Suarez. Mandible strike kinematics of the trap-ajw ant genus *Anochetus* Mayr (Hymenoptera: Formicidae). Journal of Zoology 306:119-128. doi:10.1111/jzo.12580
- 2018 Matos-Maravi, P., N.J. Matzke, F.J. Larabee, R.M. Clouse, W.C. Wheeler, D.M. Sorger, A.V. Suarez, and M. Janda. Trans-Pacific long-distance dispersal and the interplay between abiotic factors and ecology shaped the diversity of Indo-Pacific trap-jaw ants. Molecular Ecology 27:4090-4107. doi:10.1111/mec.14835

Curriculum Vitae: Andrew V. Suarez

- 2018 Felden, A., C. Paris, D.G. Chapple, J. Haywood, A.V. Suarez, N.D Tsutsui, P.J. Lester, and M.A.M. Gruber. Behavioral variation and plasticity along an invasive ant introduction pathway. Journal of Animal Ecology 87:1653-1666. doi:10.1111/1365-2656.12886
- 2018 Achury, R., and A.V. Suarez. Richness and composition of ground-dwelling ants in tropical rainforest and surrounding landscapes in the Colombian inter-Andean valley. Neotropical Entomology 47:731-741. doi:10.1007/s13744-017-0565-4
- 2018 Smith, A.A., A.V. Suarez, and J. Liebig. Queen pheromones out of context: a comment on Holman. Behavioral Ecology 29:1212. doi:10.1093/beheco/ary065 (Invited Commentary).
- 2018 Larabee, F.J., A.A. Smith, and A.V. Suarez. Snap-jaw morphology is specialized for high-speed power amplification in the Dracula ant, *Myrmica camillae*. Royal Society Open Science 5:181447. doi:10.1098/rsos.181447
- 2018 Hanisch, P.E., A.V. Suarez, P.L. Tubaro, and C.I. Paris. Co-occurrence patterns in a subtropical ant community revealed by complementary sampling methodologies. Environmental Entomology 47:1402-1412. doi:10.1093/ee/nvy143
- 2019 Gibson, J.C., A.V. Suarez, D. Qazi, T.J. Benson, S.J. Chiavacci, and L. Merrill. Prevalence and consequences of ants and other arthropods in active nests of Midwestern birds. Canadian Journal of Zoology 97:696-704. doi:10.1139/cjz-2018-0182
- 2019 Felden, A., C. Paris, D.G. Chapple, A.V. Suarez, N.D. Tsutsui, P.J. Lester, and M.A.M. Gruber. Native and introduced Argentine ant populations are characterized by distinct transcriptomic signatures associated with behavior and immunity. NeoBiota 49:105-126.
- 2019 Tseng, S.-P., J.W. Wetterer, A.V. Suarez, C.-Y. Lee, T. Yoshimura, D. Showmaker, and C.-C. Yang. Invasion and infection: mitochondrial diversity and *Wolbachia* selective sweep of a globally distributed invasive ant. Frontiers in Genetics 10:838. doi:10.3389/fgene.2019.00838
- 2019 Suhr, E.L., D.J. O'Dowd, A.V. Suarez, P. Cassey, T.A. Wittman, J.V. Ross, and R.C. Cope. Ant interceptions reveal roles of transport and commodity in identifying biosecurity risk pathways into Australia. NeoBiota 53:1-24. doi: 10.3897/neobiota.53.39463
- 2020 Ngumbi, E.N., L. Hanks, A.V. Suarez, J.G. Millar, and M.R. Berenbaum. Cuticular hydrocarbon profiles in the navel orangeworm *Amyelois transitella* (Lepidoptera: Pyralidae): Effects of age, sex, and pesticide resistance status. Journal of Chemical Ecology 46:40-47.
- 2020 Hanisch, P.E., K. Drager, W.H. Yang, P.L. Tubaro, and A.V. Suarez. Intra- and interspecific variation in trophic ecology of 'predatory' ants in the subfamily Ponerinae. Ecological Entomology *In Press*. doi:10.1111/een.12817
- Ye, D., J.C. Gibson, and A.V. Suarez. Effects of abdominal rotation on jump performance in the ant *Gigantiops destructor* (Hymenoptera: Formicidae). Integrative Organismal Biology *In Press*.
- Lee, C.-C., Y.-M. Weng, L.-C. Lai, A.V. Suarez, W.-J. Wu, C.-C. Lin, and C.-C. Yang. Analysis of recent interception records reveals that wood / wood-product trade could lead to a new wave of ant invasion. Journal of Pest Science *In Press*.
- Larson, E.R., B.M. Graham, R. Achury, J.J. Coon, M.K. Daniels, D.K. Gambrell, K.L. Johnson, N. LaRacune, T.I.N. Perrin-Stowe, E.M. Reed, C.J. Rice, S.A. Ruzi, M.W. Thairu, J.C. Wilson, and A.V. Suarez. From environmental DNA (eDNA) to citizen science: emerging tools for the early detection in invasive species. Frontiers in Ecology and Evolution *In Press*.

Curriculum Vitae: Andrew V. Suarez

Berg-Binder, M.C., and A.V. Suarez. The effects of ant visitation and biocontrol insects on herbivory and reproduction in invasive leafy spurge, *Euphorbia esula*. PLoS ONE *In Revision*.

Ruzi, S., P.-C. Zalamea, D. Roche, R. Achury, J. Dalling, and A.V. Suarez. Can variation in seed removal patterns of Neotropical tree species be explained by local ant community composition? Biotropica *In Revision*.

Achury, R., D.A. Holway, and A.V. Suarez. Pervasive and persistent effects of invasion and fragmentation on native ant assemblages. Ecology *In Revision*.

Scharf, H.M., A.V. Suarez, H.K. Reeve, and M.E. Hauber. The evolution of conspecific acceptance threshold models. Philosophical Transactions of the Royal Society of London. *In Review*.