

Curriculum Vitae, August 2020

Terrence P. McGlynn

Department of Biology
California State University Dominguez Hills
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Education

Ph.D., 1999 Environmental, Population and Organismic Biology, University of Colorado
A.B., 1993 Biology, Occidental College, Los Angeles

Academic appointments

Director of Undergraduate Research, CSU Dominguez Hills	2018-current
Professor of Biology, CSU Dominguez Hills	2015-current
Research Associate, Natural History Museum of Los Angeles County	2016-current
Associate Professor of Biology, CSU Dominguez Hills	2010-2015
Assistant Professor of Biology, CSU Dominguez Hills	2007-2010
Research Associate, San Diego Natural History Museum	2005-2008
Assistant Professor of Biology, University of San Diego	2000-2007
Assistant Professor of Biology (Visiting), Gettysburg College	1999-2000
Postdoctoral Fellow, University of Houston	1999
Instructor, University of California Education Abroad Program	1998

Editorial service

2015 – current Associate Editor for *Insectes Sociaux*
2010 – current Subject Editor for *Biotropica*

Books

McGlynn, T.P. 2020. The Chicago Guide to College Science Teaching. University of Chicago Press. 184 pp. Release date: November 2020. ISBN: 978-0226542362.

Peer-Reviewed Publications

Adams, B.J., E. Li, C.A. Bahlai, E.K. Meineke, T.P. McGlynn, B.V. Brown. 2020. Local- and landscape-scale variables shape insect diversity in an urban biodiversity hotspot. *Ecological Applications*. e02089. DOI: 10.1002/eap.2089

Bengston, S., T. McGlynn. 2020. Nest relocation. In: *Encyclopedia of Social Insects*, C. Starr (ed). Springer. DOI: 10.1007/978-3-319-90306-4_84-1

McGlynn*, T.P. E.K. Meineke*, C.A. Bahlai, E. Li, E.A. Hartop, B.J. Adams, B.V. Brown. 2019. Temperature accounts for the biodiversity of a hyperdiverse group of insects in urban Los Angeles. *Proceedings of the Royal Society B: Biological Sciences*. 286: 20191818. (* indicates co-first authors) DOI: 10.1098/rspb.2019-1818

Craine, J. M., A. J. Elmore, L. Wang, J. Aranibar, M. Bauters, P. Boeckx, B. E. Crowley, M. A. Dawes, S. Delzon, A. Fajardo, Y. Fang, L. Fujiyoshi, A. Gray, R. Guerrieri, M. J. Gundale, D. J. Hawke, P. Hietz, M. Jonard, E. Kearsley, T. Kenzo, M. Makarov, S. Marañón-Jiménez, T. P. McGlynn, B. E. McNeil, S. G. Mosher, D. M. Nelson, P. L. Peri, J. C. Roggy, R. Sanders-DeMott, M. Song, P. Szpak, P. H. Templer, D. V. d. Colff, C. Werner, X. Xu, Y. Yang, G. Yu, K. Zmudczyńska-Skarbek. 2018. Isotopic evidence for oligotrophication of terrestrial ecosystems. *Nature Ecology and Evolution* 2: 1735-1744. DOI: 10.1038/s41559-018-0694-0

Waters, J.S., and T.P. McGlynn. 2018. Natural history observations and kinematics of strobing in Australian strobe ants, *Opisthopsis haddoni* (Hymenoptera: Formicidae). *Myrmecological News* 27: 7-11.

Nelson, A.S., T. Scott, M. Barczyk, T.P. McGlynn, A. Avelos. E. Clifton, A. Das, A. Figueiredo, L. Figueroa, M. Janowiecki, S. Pahlke, J.D. Rana, and S. O'Donnell. 2018. Day/night upper thermal limits differ within *Ectatomma ruidum* ant colonies. *Insectes Sociaux* 65:183-189. DOI: 10.1007/s00040-017-0585-4

Saunders, M.E., M.A. Duffy, S.B. Heard, M. Kosmala, S.R. Leather, T.P. McGlynn, J. Ollerton, A.L. Parachnowitsch. 2017. Bringing ecology blogs into the scientific fold: measuring reach and impact of science community blogs. *Royal Society Open Science* 4: 170957. DOI: 10.1098/rsos.170957

O'Donnell, S., and T.P. McGlynn. 2017. Emigrating on the fly: A novel method of army ant colony movement observed in *Eciton mexicanum*. *Journal of Insect Behavior* 30 471-474: DOI: 10.1007/s10905-017-9635-z

McGlynn, T.P. 2017. Identity matters: Communicating about equity and opportunity for students in Minority-Serving Institutions. *Annals of the Entomological Society of America* 110: 480-483. DOI: 10.1093/aesa/sax050

Gibb, H., R.R. Dunn, N.J. Sanders, and 70 authors including T.P. McGlynn. 2017. A global database of ant species abundances. *Ecology*. DOI: 10.1002/ecy.1682

McGlynn, T.P., E.L. Parra. 2016. Mechanisms of carbohydrate-fueled ecological dominance in a tropical rainforest canopy-foraging ant. *Ecological Entomology* 41: 226-230.

McGlynn, T.P., R. Graham, J. Wilson, J. Emerson, J.M. Jandt, A.H. Jahren. 2015. Distinct types of foragers in the ant *Ectatomma ruidum*: typical foragers and furtive thieves. *Animal Behaviour* 109: 243-247.

Chips, M.J., E.H. Yerger, A. Hervanek, T. Nuttle, A.A. Royo, J.N. Pruitt, T.P. McGlynn, C.L. Riggall, W.P. Carson. 2015. The indirect impact of long-term overbrowsing on insects in the Allegheny National Forest region of Pennsylvania. *Northeastern Naturalist* 22:782-797.

Jandt, J.M., E.M. Hunt, T.P. McGlynn. 2015. Intraspecific food-robbing and neighborhood competition: Consequences for anti-robber vigilance and colony productivity. *Biotropica* 47: 491-496.

Larson, H.K., S.K. Goffredi, E.L. Parra, O. Vargas, A. Pinto, T.P. McGlynn. 2014. Distribution and dietary regulation of an associated facultative Rhizobiales-related bacterium in the omnivorous Giant Tropical Ant, *Paraponera clavata*. *Naturwissenschaften* 100: 1109-1114.

Jandt, J.M., H.K. Larson, P. Tellez, T.P. McGlynn. 2013. To drink or to grasp? How bullet ants (*Paraponera clavata*) differentiate between sugars and proteins in liquids. *Naturwissenschaften* 101: 397-406

McGlynn, T.P., A. Alonso-Rodriguez, M. Weaver. 2013. An experimental test of species-energy theory: patch occupancy and colony size in tropical rainforest litter-nesting ants. *Oikos* 122: 1357-1361.

Guénard, B. and T.P. McGlynn. 2013. Intraspecific thievery in the Ant *Ectatomma ruidum* is mediated by food availability. *Biotropica* 45: 497-502.

McGlynn, T.P., S.E. Diamond, R.R. Dunn. 2012. Tradeoffs in the evolution of caste and body size in the hyperdiverse ant genus *Pheidole*. *PLOS One* 7: e48202

McGlynn, T.P., E.K. Poirson. 2012. Ants accelerate litter decomposition in a Costa Rican lowland tropical rain forest. *Journal of Tropical Ecology* 28: 437-443.

Huang, C., K.L. Tully, D.A. Clark, S.F. Oberbauer, T.P. McGlynn. 2012. The $\delta^{15}\text{N}$ signature of the detrital food web tracks a landscape-scale soil phosphorus gradient in a Costa Rican lowland tropical rain forest. *Journal of Tropical Ecology* 28: 395-403.

McGlynn, T.P. 2012. The ecology of nest movement in social insects. *Annual Review of Entomology* 57: 291-308.

Jenkins, C.N. N.J. Sanders, A.N. Andersen, X. Arnan, C.A. Brühl, X. Cerda, A.M. Ellison, B.L. Fisher, M.C. Fitzpatrick, N.J. Gotelli, A.D. Gove, B. Guénard, J.E. Lattke, J.-P. Lessard, T.P. McGlynn, S.B. Menke, C.L. Parr, S.M. Philpott, H.L. Vasconcelos, M.D. Weiser, R.R. Dunn. 2011. Global diversity in light of climate change: the case of ants. *Diversity and Distributions* 17: 652-662.

Wood, W.F., Hoang, T. and T.P. McGlynn. 2011. Volatile components from the mandibular glands of the turtle ants, *Cephalotes alfaroi* and *C. cristatus*. *Biochemical Systematics and Ecology* 39: 135-138.

McGlynn, T.P. 2010. Serial monodomy in the gypsy ant *Aphaenogaster araneoides*: does nest odor reduction influence colony relocation? *Journal of Insect Science* 10: 204.

McGlynn, T.P., T. Dunn, E. Wayman, and A. Romero. 2010. A thermophile in the shade: light-

directed nest relocation in the Costa Rican ant *Ectatomma ruidum*. *Journal of Tropical Ecology* 26: 559-562.

Weiser, M.D., N.J. Sanders, D. Agosti, A.N. Andersen, X. Arnan, C.A. Bruhl, X. Cerda, A.M. Ellison, B.L. Fisher, M.C. Fitzpatrick, H. Gibb, N.J. Gotelli, A.D. Gove, B. Guenard, M. Janda, M. Kaspari, E.J. Laurent, J.-P. Lessard, J.T. Longino, J.D. Majer, S.M. Menke, T.P. McGlynn, C.L. Parr, S.M. Philpott, M. Pfeiffer, J. Retana, A. Suarez, H. Vasconcelos, S.P. Yanoviak, R.R. Dunn. 2010. Canopy and litter ant assemblages share similar climate-species density relationships. *Biology Letters* 6: 769-772.

McGlynn, T.P., M.D. Weiser and R.R. Dunn. 2010. More individuals but fewer species – Tests of the more individuals hypothesis from experiments on a diverse tropical fauna. *Biology Letters* 6: 490-493.

Foucaud, J., J. Orivel, A. Loiseau, J. H. C. Delabie, H. Jourdan, D. Konghouleux, M. Vonshak, M. Tindo, J.-L. Mercier, D. Fresneau, J.-B. Mikissa, T.P. McGlynn, A. S. Mikheyev, J. Oettler and A. Estoup. 2010. Worldwide invasion by the little fire ant: routes of introduction and eco-evolutionary pathways. *Evolutionary Applications* 3: 363-374.

McGlynn, T.P. 2010. Polygyny in thief ants responds to competition and nest limitation but not food resources. *Insectes Sociaux* 57: 23-28.

Suarez, A.V., T.P. McGlynn, N.D. Tsutsui. 2010. Biogeographic and taxonomic patterns of introduced ants. in: *Ant Ecology*, L. Lach, K. Abbott, and K. Parr, eds, Oxford University Press.

McGlynn, T.P. 2010. Effects of Biogeography on Community Diversity. *Nature Education Knowledge* 1:32.

McGlynn, T.P. 2010. How Does Social Behavior Evolve? *Nature Education Knowledge* 1:33.

McGlynn, T.P., H.K. Choi, S.T. Mattingly, A. Upshaw, E.K. Poirson and J. Betzelberger. 2009. Spurious and functional correlates of the isotopic composition of a generalist across a tropical rainforest landscape. *BMC Ecology* 9:23.

McGlynn, T.P., R.M. Fawcett, and D.A. Clark. 2009. Litter biomass and nutrient determinants of ant nest density, size, and growth in a tropical wet forest. *Biotropica* 41: 234-240.

Dunn, R.R., D. Agosti, A.N. Andersen, C.A. Bruhl, X. Cerda, A.M. Ellison, B.L. Fisher, M.C. Fitzpatrick, H. Gibb, N.J. Gotelli, A.D. Gove, B. Guenard, M. Janda, M.E. Kaspari, E.J. Laurent, J.-P. Lessard, J.T. Longino, J.D. Majer, S.B. Menke, T.P. McGlynn, C.L. Parr, S.M. Philpott, M. Pfeiffer, J. Retana, A.V. Suarez, H.L. Vasconcelos, M.D. Weiser, and N.J. Sanders. 2009. Climatic drivers of hemispheric asymmetry in global patterns of ant species richness. *Ecology Letters* 12: 324-333.

McGlynn, T.P. 2008. Natural history education for students heading into the century of biology. *American Biology Teacher* 70: 109-111.

McGlynn, T.P. 2007. Serial monodomy in ants: an antipredator strategy? *Ecological Entomology* 32: 621-626.

McGlynn, T.P., D.J. Salinas, R.R. Dunn, T.E. Wood, D. Lawrence and D.A. Clark. 2007. Phosphorus limits tropical rain forest litter fauna. *Biotropica* 39: 50-53.

Dunn, R.R., N.J. Sanders, M.C. Fitzpatrick, E. Laurent, J.-P. Lessard, D. Agosti, A.N. Andersen, C. Bruhl, X. Cerdá, A. Ellison, B. Fisher, H. Gibb, N. Gotelli, A. Gove, B. Guenard, M. Janda, M. Kaspari, J.T. Longino, J. Majer, T.P. McGlynn, S. Menke, C. Parr, S. Philpott, M. Pfeiffer, M. Retana, A. Suarez, and H. Vasconcelos. 2007. Global ant biodiversity and biogeography – A new database and its possibilities. *Myrmecological News* 10: 77-83.

McGlynn, T.P. 2006. Ants on the move: Resource limitation of a litter-nesting ant community in Costa Rica. *Biotropica* 38: 419-427.

McGlynn, T.P., R. Carr, J. Carson, and J. Buma. 2004. Frequent nest relocation in the ant *Aphaenogaster araneoides*: resources, competition, and natural enemies. *Oikos* 106: 611-621.

Roberts, D., and T.P. McGlynn. 2004. *Tetramorium insolens* Smith (Hymenoptera: Formicidae): a new record for Mauritius, Indian Ocean. *African Entomology* 12: 265-267.

McGlynn, T.P., M.D. Shotell, and M.S. Kelly. 2003. Responding to a variable environment: home range, foraging behavior, and nest relocation in the Costa Rican rainforest ant *Aphaenogaster araneoides*. *Journal of Insect Behavior* 16: 687-701.

McGlynn, T.P., and J.P. Owen. 2002. Food supplementation alters caste allocation in a natural population of *Pheidole flavens*, a dimorphic leaf-litter dwelling ant. *Insectes Sociaux* 49: 8-14.

McGlynn, T.P., J.R. Hoover, G.S. Jasper, M.S. Kelly, A.M. Polis, C.M. Spangler, and B.J. Watson. 2002. Resource heterogeneity affects demography of the Central American ant *Aphaenogaster araneoides*. *Journal of Tropical Ecology* 18: 231-244.

McGlynn, T.P. 2000. Do Lanchester's laws of combat describe competition among ants? *Behavioral Ecology* 11: 11: 686-690.

McGlynn, T.P., and S.E. Kirksey. 2000. The effect of food presentation and microhabitat upon resource monopoly in a ground-foraging ant (Hymenoptera: Formicidae) community. *Revista de Biologia Tropical* 48: 629-642.

Schultz, T.R., and T.P. McGlynn. 2000. The Interaction of Ants with Other Organisms. Pp. 35-44, in: Agosti, D., Majer, J., Alonso, E. and Schultz, T., (eds.). *Ants: Standard Methods for Measuring and Monitoring Biodiversity*. Biological Diversity Handbook Series. Smithsonian Institution Press. Washington D.C.

McGlynn, T.P. 1999. Non-native ants are smaller than related native ants. *American Naturalist*

154: 690-699.

McGlynn, T.P. 1999. The worldwide transport of ants: geographic distribution and ecological invasions. *Journal of Biogeography* 26: 535-548.

Breed, M.D., T.P. McGlynn, E. Stocker, and A.N. Klein. 1999. Thief workers and variation in nestmate recognition behavior in a ponerine ant, *Ectatomma ruidum*. *Insectes Sociaux* 46:327-333.

Breed, M.D., T.P. McGlynn, M.D. Sanctuary, E. Stocker, and R. Cruz. 1999. Distribution and abundance of several Meliponine species in a Costa Rican tropical wet forest. *Journal of Tropical Ecology* 15: 765-777.

McGlynn, T.P., and C.D. Kelley. 1999. Distribution of a Costa Rican lowland wet forest velvet worm (Onychophora: Peripatidae). *Annals of the Entomological Society of America* 92: 53-55.

Correspondence

Ramirez, K.S., A.A. Berhe, J. Burt, G. Gil-Romero, R.F. Johnson, A.M. Koltz, I. Lacher, T. McGlynn, K.J. Nielsen, R. Schmidt, J.L. Simonis, C.P. terHorst, K. Tuff. 2017. The future of ecology is collaborative, inclusive and deconstructs biases. *Nature Ecology and Evolution*
DOI: 10.1038/s41559-017-0445-7

McGlynn, T.P. 1999. Other ant invaders. *Trends in Ecology and Evolution* 14: 489.

Invited Book Reviews

McGlynn, T. 2018. Review of "Sarapiquí Chronicle." *American Entomologist* 64: 61-62.

McGlynn, T.P. 2017. Review of "Insects and other Arthropods of Tropical America." *Quarterly Review of Biology* 92: 341. DOI: 10.1086/693640

McGlynn, T.P. 2012. Review of "Predation in the Hymenoptera." *Myrmecological News* 17: 132.

Scientific Consultant for Children's Books

Jackson, T. *Magic School Bus Presents: Insects*. 2015. Scholastic, New York.

Publicly archived data packages

McGlynn TP, Meineke EK, Bahlai CA, Li E, Hartop EA, Adams BJ, Brown BV (2019) Data from: Temperature accounts for the biodiversity of a hyperdiverse group of insects in urban Los Angeles. Dryad Digital Repository. <https://doi.org/10.5061/dryad.gr68f2j>

Saunders, M., M. Duffy, S. Heard, M. Kosmala, S. Leather, T. McGlynn, J. Ollerton, A. Parachnowitsch. 2017. Data from: Bringing ecology blogging into the scientific fold: measuring reach and impact of science community blogs. Dryad Digital Repository. <http://dx.doi.org/10.5061/dryad.kf8b0>

Nelson A.S., T. Scott, M. Barczyk, T.P. McGlynn, A. Avalos, E. Clifton, A. Das, A. Figueiredo, L.L. Figueroa, M. Janowiecki, S. Pahlke, J.D. Rana, and S. O'Donnell. 2017. Dryad Digital Repository Data from: Day/night upper thermal limits differ within *Ectatomma ruidum* ant colonies. <https://doi.org/10.5061/dryad.6b6q5>

Extramural Grants and Awards

Total exceeding \$5 million as PI and Co-PI since 2007.

2013-2018 "CSUDH Robert Noyce Scholarship Program" National Science Foundation DUE-1339961, (Co-PI) \$800,000.

2013-2017 "International Research Experiences For Students: Carbon, Fire and Climate Change in Australia," National Science Foundation OISE-1261015, (PI) \$249,922.

2012-2016 "Tropical Ecology Mentorship Program of CSU Dominguez Hills," National Science Foundation, OISE-1130156, (PI) \$149,626.

2010-2016 "Noyce Master Teacher Fellowship Initiative at California State University Dominguez Hills," National Science Foundation DUE-1035131, (Co-PI) \$2,998,201.

2009-2012 "International Research Experiences for Students: Tropical Ecology Mentorship Program of Southern California," National Science Foundation, OISE –0854259, (PI) \$150,677.

2008 "Tropical field ecology research experiences for two K-12 teachers in the Los Angeles Area" Supplement to OISE-0749047, (PI) \$19,800

2005-2009, "International Research Experiences for Students: Tropical Ecology Mentorship Program of Southern California," National Science Foundation Grant No. OISE-0526551,; OISE-0749047 transfer of award, (PI) \$49,354

2005-2009 "Complex interactions among water, nutrients and carbon stocks and fluxes across a natural fertility gradient in tropical rain forest," National Science Foundation Grant No. EAR-0421178 (Co-PI) \$1,638,730.

2007-2009, "Edaphic and climatic determinants of ant biodiversity across western Australia" National Geographic Society, (PI) \$18,532.

2004-2005, "Planning Visit to Australia: Collaborative study of detritus-based food webs." National Science Foundation Grant No. OISE-0427481 (PI) \$4,101.

2002-2004, AAAS/Merck collaborative biology and chemistry undergraduate research program, (Co-PI), \$10,000

1999-2000, Environmental Institute of Houston, Postdoctoral Fellowship, \$28,000

1997, Donald and Beverly Stone Graduate Fellowship, \$2,000

1996, Smithsonian Institution Short Term Visit Award, \$450

1996, National Science Foundation Summer Institute in Japan, \$8,000

1996, Andrew Mellon Foundation Research Exploration Award, \$2,000

1995, Organization for Tropical Studies Research Grant, \$270

Honors

2014 CSU Dominguez Hills Faculty Scholar

2011 CSU Dominguez Hills Excellence in Research, Scholarship and Creative Activity Award

2010 President, International Union for the Study of Social Insects, North American Section

1999 George C. Eickwort Student Research Award, International Union for the Study of Social Insects, North American Section

Intramural Grants and Awards

CSUDH RSCA Award, \$15,000, 2018-2019

CSUDH RSCA Award, \$15,000, 2017-2018

CSUDH RSCA Award, \$15,000, 2014-2015

CSUDH RSCA Award, \$15,000, 2013-2014

CSUDH Promoting Excellence in Graduate Studies Travel Award, Fall 2011, \$2000

CSUDH Proposal Development Grant, Fall 2009, \$5000

CSUDH RSCAAP Grant, May – August 2008, \$4200

CSUDH RSCAAP Grant, Jan – May 2008, \$5000

University of San Diego College of Arts and Sciences Faculty Research Grant, 2006-2007, \$3,500

University of San Diego College of Arts and Sciences Faculty Research Grant, 2005-2006, \$2,420

University of San Diego College of Arts and Sciences Faculty Research Grant, 2004-2005, \$1,800

University of San Diego College of Arts and Sciences Faculty Research Grant, 2003-2004, \$2,395

University of San Diego College of Arts and Sciences Faculty Research Grant, 2002-2003, \$2,395

University of San Diego College of Arts and Sciences Faculty Research Grant, 2001-2002, \$1,500

Gettysburg College Research and Professional Development Grant, 1999-2000, \$2,500

University of Colorado Graduate School University Fellowship, 1998, \$7,000

University of Colorado Graduate School Research Assistance Grant, 1997, \$200

University of Colorado Museum Walker Van Riper Fellowship, 1996, \$1,200

University of Colorado Dean's Small Grant, 1996, \$450

University of Colorado Tropical Biology course scholarship, 1995, \$2,200

Curricular Development

2010, "General Biology Laboratory Manual," a suite of discovery-oriented general biology Laboratories for CSUDH, currently serving ca. 500 students annually; funded by U.S. Department of Education Quality Educator Development grant to CSUDH.

Invited Seminar Presentations

2020 University of Southern California, Institute for Addiction Science (remote)

Francis Marion College, Science Symposium (remote)

Penn State University, Department of Entomology (remote)

2019 UC Riverside, Department of Entomology Student Select Speaker

UC Irvine, Department of Ecology and Evolutionary Biology

UC Davis, Program in Ecology and Evolutionary Biology

2018 Claremont Colleges, Keck Joint Science Department

2017 CISRO Tropical Ecosystem Research Centre, Darwin, Australia

Michigan State University, Program in Ecology, Evolutionary Biology, and Behavior

University of Michigan, Department of Ecology and Evolutionary Biology

Purdue University, Department of Entomology

2016 University of Arkansas, Department of Entomology Student Select Speaker

Linfield College, Science Seminar Series

Natural History Museum of Los Angeles County, Research and Collections

North Dakota State University, Department of Veterinary and Microbiological Sciences

2015 California State University Long Beach, Department of Biology

- Dartmouth College, Department of Biology
 University of Illinois Urbana-Champaign, Department of Animal Biology
 La Selva Biological Station, Research Experiences for Undergraduates program
- 2014 La Selva Biological Station
- 2013 Org. for Tropical Studies Native Amer. and Pacific Islanders Research Exp., Costa Rica
 St. Lawrence University, Tropical Ecology program
 University of Colorado, Department of Ecology and Evolutionary Biology
 University of Miami, Department of Biology
- 2012 CSU Dominguez Hills, Seminar Series in Biological and Biomedical Research
- 2011 University of Arizona, Center for Insect Science
 Linfield College, Tropical Biology Course in Costa Rica
- 2010 Osher Lecture Series, Extended Education Program of CSU Dominguez Hills
 Colgate University, Tropical Biology Course in Costa Rica
- 2009 Organization for Tropical Studies, Research Experiences for Undergraduates program
 Washington and Jefferson College, Tropical Ecology Course in Costa Rica
 Osher Lecture Series, Extended Education Program of CSU Dominguez Hills
- 2008 California State University Northridge, Department of Biology
 Research Experiences for Undergraduates Program, La Selva Biological Station
- 2007 California State University Long Beach, Department of Biology
 CSU Dominguez Hills, Seminar Series in Biological and Biomedical Research
 La Selva Biological Station
 Tennessee State University, Department of Biology
- 2006 Cincinnati Museum Center, Museum of Natural History and Science
 La Selva Biological Station, Research Experiences for Undergraduates program
 Mount St. Mary's College, Department of Biology, Los Angeles
 University of La Verne, Department of Biology, Los Angeles
- 2005 Bridges Academy Program, University of San Diego
- 2004 Curtin University of Technology, Department of Environmental Biology, Perth, Australia
 La Selva Biological Station
 University of California at Riverside, Department of Entomology
 University of California at San Diego, Department of Biology
- 2003 Cornell University, Department of Entomology
 La Selva Biological Station
 Invisible University Lecture Series, University of San Diego
- 2002 La Selva Biological Station
 Hubbs-Sea World Research Institute
 Science Lecture Series, University of San Diego
- 2001 La Selva Biological Station
- 2000 California State University, Los Angeles, Department of Biology
 La Selva Biological Station, Department of Biology
 US Forest Service, Monongahela National Forest
- 1999 Rice University, Department of Ecology and Evolution
 University of Houston, Department of Biology and Biochemistry
 University of Pittsburgh, Department of Biology
- 1998 University of Colorado, Environmental, Population, and Organismic Biology

La Selva Biological Station
Occidental College
1997 La Selva Biological Station
1996 Henderson Museum, University of Colorado
Williams Village Academic Program, University of Colorado
La Selva Biological Station
Department of Geography, University of Colorado
1993 University of Bern Zoological Institute

Teaching experiences

Southwestern Research Station/American Museum of Natural History
Ants of the Southwest (2012 - 2016)

Organization for Tropical Studies

Social Insects in the Tropics, Faculty resource person (2012, 2017)
Tropical Biology: An Ecological Approach, Faculty resource person (1997 – current, several times)

California State University, Dominguez Hills

Biological Literature (Scientific Writing) (2015, 2019)
Graduate Biostatistics (annually, 2007-2017)
Graduate Seminar (intermittently)
Advances and Misconceptions in Science and Science Teaching (team taught, 6x, 2010-2013)
Environmental Biology (non-majors course, 2013)
General Biology, Laboratory (1-2 sections annually, 2007-2011)
Independent Study in Biology (4-6 participants annually, 2007-current)
Seminar in Biomedical and Biological Research (occasionally)
Principles of Biology II, Laboratory (2007-2011, 2018)
Urban Teacher Residency Science Seminar 3x, 2010-2013)

Occidental College

Biostatistics (Spring 2012)

University of San Diego

Behavioral Ecology, Lecture and Laboratory (annually, 2000-2005)
Biology of Organisms, Lecture and Laboratory (every semester, 2000-2006)
Ecology, Laboratory (2001)
Insect Biology, Lecture and Laboratory (annually, 2001-2006)
Survey of Biology, Lecture (2006)

Gettysburg College (1999-2000)

Introduction to Ecology and Evolution
Evolution, Lecture and Laboratory
The Evolution of Life (non-majors)
Environmental Issues (non-majors)

University of California Education Abroad Program in Costa Rica
Population, Community, and Conservation Ecology (1998)

University of Colorado, Graduate Laboratory Teaching Assistant
Non-Majors Biology (“A Human Approach”) (1997-1999)
General Biology (Diversity and Ecology) (1994-1996)
General Biology (Cell and Molecular) (1995)
Insect Biology (1996)
Human Anatomy (1997)
Research Experiences for Undergraduates graduate mentor (1998)

Occidental College, Undergraduate Teaching Assistant
General Ecology and Evolution (1993)
Oceanology (1993)
Evolutionary Biology (1994)

Webinar and Podcast Appearances

2019 Criss-Crossing Science “Episode 79: Thieving ants”
2018 Ologies podcast, “Myrmecology (ants) with Terry McGlynn”
2018 ESA Early Career Ecologists webinar, “The Search Committee Process”
2018 Nature podcast, “22 February 2018”
2017 Major Revisions podcast, “An Interview with Terry McGlynn”
2015 National Center for Faculty Development and Diversity webinar, “Recovering from tenure denial”
2014 People Behind the Science podcast, “Terry McGlynn: Discerning diversity of ants in tropical rainforests”

Invited Public Panelist

2019 UC Riverside Science Communication Workshop, “Diversity and inclusion in science communication”
2016 Ecological Society of America, Panel for early-career ecologists
2012 Southern California Technology in Education Conference, Panelist on STEM Education

Invited Working Groups and Advisory Roles

2020-2025 Evaluation Advisory Group for NSF STEM-HSI project, "DIETIES", of CSULB and CSUDH.
2018 Climate Reality Leadership Training, Los Angeles, CA.
2017 Sparks for Change Workshop, NSF-funded Diversity in Geosciences program, Boulder, CO,
"Sponsor" of leadership triad: scied.ucar.edu/soars/sparks
2014 NSF-RCN Defaunation in Tropical Forests Working Group, La Selva, Costa Rica.
2007 NCEAS (National Center for Ecological Analysis and Synthesis) working group, “Spatial Aspects of Stoichiometry,” Santa Barbara, CA
1996 Ants of the Leaf Litter Workshop, Ilheus, Brazil

Professional Development Workshops Led

2020, Co-organizer, NSF Graduate Research Fellowship Program Proposal Writing Workshop, CSU

Program for Education and Research in Biotechnology, Santa Clara, CA.
2017, Co-organizer of workshop, Strategies and Best Practices for Mentoring Undergraduate Students in Research, Ecological Society of America, Ft. Lauderdale, FL.
2012 - 2013, Google Digital Ambassador to CSU Dominguez Hills
2008 - 2009, Co-facilitator, Inquiry Learning Institutes for LAUSD biology teachers
2006, Inquiry learning workshop for K-12 teachers, Reuben H. Fleet Science Center

K-12 Preservice Teacher Advising

2011 - current Director of the California State Credentialed Biology Subject Matter Preparation Program at CSUDH
2010 - current Teaching in Science Advisor at CSUDH

Mentorship of Research Experiences for Teachers at La Selva Biological Station, Costa Rica

2015 Joele Hogkins (Edison Middle School, LAUSD)
2014 Jane Wilson (Columbine Middle School, Montrose, CO)
2013 Ulises Dumas (Edison Middle School, LAUSD)
2010 David Hicks (Sun Valley High School, LAUSD)
2010 Daniel McDonnell (Sun Valley High School, LAUSD)
2009 Felicia Burt (Jefferson High School, LAUSD)
2008 Justin Betzelberger (East Valley High School, LAUSD)

Invited Conference Symposium Presentations

McGlynn, T.P. 2019. Active learning for the reluctant instructor. Entomological Society of America, St. Louis, MO, USA [prerecorded remote talk].
McGlynn, T.P. 2018. Preaching beyond the converted: Actions required of men to advance gender equity in entomology. Joint meeting of the Entomological Society of America and Entomological Society of Canada, Vancouver, Canada.
McGlynn, T.P. 2018. How does unicoloniality emerge? What we know and what we need to learn. International Union for the Study of Social Insects, Guarujá, Brazil.
McGlynn, T.P. 2017. Mary Talbot of Lindenwood College: Trailblazing science from the margins. Ecological Society of America, Portland, OR, USA.
McGlynn, T.P. 2016. Decomposition, thermal microclimates, and the consequences for ant biodiversity. International Congress of Entomology, Orlando, USA.
McGlynn, T.P., P. Tellez, W.P. Carson. 2014. Top predators, habitat complexity and the biodiversity of litter-dwelling ants. International Union for the Study of Social Insects, Cairns, Australia
McGlynn, T.P. 2014. Are insects drivers or passengers of tropical rainforest detrital nutrient cycles? Goldschmidt (international atmospheric science conference) Sacramento, USA.
McGlynn, T.P., P. Tellez and M. Chips and W. Carson. 2013. Do fences make better neighbors? Vertebrate effects on litter arthropod biodiversity. Association for Tropical Biology and Conservation and Organization for Tropical Studies Joint Conference, San Jose, Costa Rica.
McGlynn, T.P. 2012. Mesofauna as drivers and passengers of decomposition in tropical forests. Ecological Society of America, Portland, OR USA.
McGlynn, T.P. 2008. Local gradients in stoichiometry and trophic level of an omnivorous ant. International Congress of Entomology, Durban, South Africa.
McGlynn, T.P. 2004. The behavioral ecology of rainforest ants. Opportunities for Research in

Behavioral Science Symposium I, San Diego, USA.

McGlynn, T.P. 2003. Ecology of invasive ants found in agroecosystems. Association of Integrated Pest Management Ecologists, San Luis Obispo, California, USA.

McGlynn, T.P. 2002. Monitoring and response strategies for preventing and controlling ant invasions. Entomological Society of America National Meeting, Ft. Lauderdale, USA.

McGlynn, T.P. 2002. An early warning system for social insect invasions. IUSSI International Congress, Sapporo, Japan.

McGlynn, T.P. 2000. Human commensalism and ecological invasions of North American exotic ants. International Congress of Entomology, Iguassu Falls, Brazil.

McGlynn, T.P. 1999. Food supplementation increases soldier proportion in *Pheidole flavens*. IUSSI International Congress, Adelaide, Australia.

Schultz, T.R. and T. P. McGlynn. 1996. Interactions of ants with other organisms. Smithsonian Ants of the Leaf Litter Workshop, Iheus, Brazil.

Non-invited Conference Presentations (* indicates undergraduate)

McGlynn, T.P. E. Clifton, S. Escamilla, J. Garcia, D. Tafoya, and A. Santizo. 2020. How colonies of tropical ants organize their division of labor to respond to thermal challenges. Ecological Society of America. Online conference.

McGlynn, T.P. 2020. How rainforest ants respond to thermal challenges. Joint meeting of the Canadian Society for the Study of Ecology and Evolution and the Entomological Society of Canada. Fredericton, New Brunswick.

Parra, E.L.*, McGlynn, T.P. 2015. Mechanisms of carbohydrate-fueled ecological dominance in a tropical rainforest canopy-foraging ant. Entomological Society of America, Minneapolis, USA. [Student Competition Audience Choice Award]

McGlynn, T.P. 2015. Sneaky thieves are sneaky: furtive food removal behaviors characterize a novel caste of ants. Association for Tropical Biology and Conservation, Honolulu, USA.

McGlynn, T.P., J. Perez*, E.L. Parra*. 2014. Does microgeographic thermal complexity beget biodiversity in rainforest detrital food webs? Ecological Society of America Annual Meeting, Sacramento (oral)

McGlynn, T.P. 2014. Behavioral and ecological mechanisms of conspecific food robbing in the Neotropical ant *Ectatomma ruidum*. Association for Tropical Biology and Conservation Annual Meeting, Cairns, Australia (oral)

McGlynn, T.P. and R.R. Dunn. 2011. Local and global tests of models of soldier production in *Pheidole* ants. Entomological Society of America, Reno, NV (oral)

McGlynn, T.P., and A. Alonso*. 2010. Fine-scale thermal partitioning of ants under the shade of the tropical rainforest canopy. Entomological Society of America, San Diego, CA (oral)

McGlynn, T.P. 2010. Biogeochemistry and the structure of ant colonies and communities. Congress of the International Union for the Study of Social Insects, Copenhagen (poster)

McGlynn, T.P., D.A. Clark and S.F. Oberbauer 2009. Structure of a detrital food web: Relative influence of biomass vs. nutrient inputs. Ecological Society of America Annual Meeting, Albuquerque (oral)

Poirson, E.K*, T.P. McGlynn and S.F. Oberbauer. 2008. The Role of litter decomposition, fertility, and litter-dwelling animals in the carbon cycle of a tropical rain forest. International Congress of Entomology, Durban, South Africa (poster)

McGlynn, T.P. S.F. Oberbauer and D.A. Clark. 2007. Habitat and stoichiometry predict density of

- litter-dwelling ants and other tropical rain forest arthropods. Entomological Society of America, San Diego (oral)
- McGlynn, T.P. 2005. Odor-mediated nest relocation in a rainforest ant. Entomological Society of America, Ft. Lauderdale (oral)
- McGlynn, T.P., R. Fawcett, *D. Salinas, *A. Esparza, and D.A. Clark. 2005. Support for the growth rate hypothesis in a terrestrial detrital community. Ecological Society of America, Montreal. (oral)
- Oberbauer, S.F., D.A. Clark, D. Genereux, D. Lawrence, A. Russell, T. McGlynn, M.-L. Smith, N. Bynum, J. Espeleta, and C. Lewis. 2005. BCE/CBC: Complex interactions among water, nutrients and carbon stocks and fluxes across a natural fertility gradient in tropical rain forest. All hands Biocomplexity meeting, March 21-23 Washington DC (poster).
- McGlynn, T.P. 2004. The ecological stoichiometry of a tropical ant community. IUSSI North American Section Meeting, Arizona. (oral)
- McGlynn, T.P., *R. Carr, *J. Carson, and *J. Buma. 2002. Frequent nest relocation in a soil-nesting tropical rainforest ant. Entomological Society of America National Meeting, Ft. Lauderdale, Florida (oral)
- McGlynn, T.P., *M.S. Kelly, and *M.D. Shotell. 2001. What is poor habitat? Food and foraging in a rainforest ant. Entomological Society of America National Meeting, San Diego, California (oral)
- McGlynn, T.P. 2001. Opening remarks of "Worldwide odyssey: ecology of social insects" symposium, Entomological Society of America National Meeting, San Diego, California (oral)
- McGlynn, T.P. 2000. How environmental heterogeneity impacts a tropical litter-foraging ant. IUSSI North American Section Meeting, Huntsville, Arkansas. (oral)
- McGlynn, T.P. 1999. How to fight: Lanchester's laws of combat mediate interspecific interactions in a Neotropical ant community. Entomological Society of America National Meeting, Atlanta, Georgia (oral)
- McGlynn, T.P., and M.D. Springer. 1998. Factors affecting reproduction and resource utilization in a Neotropical leaf litter ant community. Association for Tropical Biology National Meeting, Baltimore, Maryland. (oral)
- McGlynn, T.P. 1997. The prediction of invasive ant species. IUSSI North American Section Meeting, Boulder, Colorado. (oral)
- McGlynn, T.P. 1996. Resource partitioning in Neotropical ants. Entomological Society of America National Meeting, Louisville, Kentucky. (poster)

Selected Professional Development Experiences

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| 2018 | Climate Reality Leadership Training, Los Angeles, CA. |
| 2017 | Council for Undergraduate Research Institute, "Initiating and Sustaining Undergraduate Research Programs," Orlando, FL. |
| 2011-2012 | Google Faculty Ambassador to CSU Dominguez Hills |
| 2010-2011 | Training exercises in Cognitive Coaching from LA Educational Project |
| 2007-2008 | QED (Quality Educator Development) Science workshops, CSUDH College of Education (6 semester units of activities) |
| 1998 | Fellow, Preparing Future Faculty Program, University of Colorado Cluster. The PFF program trained experienced graduate students and postdoctoral researchers for |

- teaching careers.
- 1998 Certification, University of Colorado Graduate Teacher Program. Completion of a comprehensive set of two videotape evaluations and 20 hours of training seminars and biology-specific workshops on teaching.
- 1998 Fellow, Preparing Future Faculty Program, University of Colorado Cluster. The PFF program trained experienced graduate students and postdoctoral researchers for teaching careers.
- 1998 Certification, University of Colorado Graduate Teacher Program. Completion of a video evaluations and 20 hours of training seminars and workshops on teaching.

Panel Service for National Science Foundation

Directorate of Biological Sciences and Office of the Director: 2016 (2x), 2017, 2018 (2x), 2019

International and National Service

- 2020-2022 Organizing Committee, Quadrennial IUSI Congress Organizing Committee
- 2018 Search Committee for the Editor-in-Chief of *Biotropica*, Association for Tropical Biology and Conservation
- 2014-2017, Awards committee, IUSI-NAS (North American Section of the International Congress of the International Union for the Study of Social Insects)
- 2012-2014, Nominations committee, IUSI-NAS (North American Section of the International Congress of the International Union for the Study of Social Insects)
- 2000 – 2005 IUCN (World Conservation Union) Species Survival Commission, Social Insect Specialist Group
- 1997 Organizational committee for the North American IUSI meeting, Colorado
- 1997 – current: Reviewed for *Agricultural and Forest Entomology*, *American Naturalist*, *American Entomologist*, *Animal Behaviour*, *Annals of the Entomological Society of America*, *Annual Review of Entomology*, *Austral Ecology*, *Axios Review*, *Asian Myrmecology*, *Behavioral Ecology*, *Biodiversity and Conservation*, *Biological Conservation*, *Biological Invasions*, *Biotropica*, *Canadian Entomologist*, *Conservation Biology*, *Diversity*, *Diversity and Distributions*, *Earthwatch Foundation*, *Ecography*, *Ecological Applications*, *Ecological Entomology*, *Ecology*, *Ecology Letters*, *Ecology and Evolution*, *Environmental Entomology*, *Functional Ecology*, *Global Change Biology*, *Ideas in Ecology and Evolution*, *Insect Conservation and Diversity*, *Interciencia*, *Insectes Sociaux*, *Journal of Animal Ecology*, *Journal of Applied Entomology*, *Journal of Biogeography*, *Journal of Ethology*, *Journal of Insect Behavior*, *Journal of Insect Conservation*, *Journal of Insect Science*, *Journal of the Kansas Entomological Society*, *Journal of Tropical Ecology*, *Journal of Undergraduate Chemistry Research*, *Methods in Ecology and Evolution*, *Myrmecological News*, *Murdock Charitable Trust*, *National Geographic Society*, *National Science Foundation*, *Nature*, *Nature Education*, *Naturwissenschaften*, *Oecologia*, *Oikos*, *PLOS Biology*, *PLOS One*, *Psyche*, *Restoration Ecology*, *Revista de Biología Tropical*, *Royal Society of New Zealand Marsden Fund*, *Science*, *Soil Biology and Biochemistry*, *Southeastern Naturalist*, *USDA*, *US-Israel Binational Agricultural Research and Development Fund*, *Western North American Naturalist*

Symposia organized

- 2012 "Social Insects and the Emergence of Novelty: From Local Rules to Global Behavior," Entomological Society of America National Meeting, Knoxville, Tennessee, co-organized with Zachary Shaffer, Juliana Rangel, Theresa Pitts-Singer, and Sandra Rehan
- 2010 "Going big: Large scale spatial and temporal patterns in social insect communities" Congress of the International Union for the Study of Social Insects, Copenhagen, co-organized with Rob Dunn
- 2001 "Worldwide odyssey: the ecology of invasive social insects." Organizer of symposium for Entomological Society of America National Meeting San Diego, California, co-organized with Nathan Sanders

Graduate theses supervised

2017 Sara Hu, MS (Biology)

Mechanisms of parasitism in a thermophilic ant, *Melophorus anderseni*

2012 Hannah Larson, MS (Biology)

Nutritional effects on Nitrogen cycling by a *Bartonella*-like symbiont in the ant *Paraponera clavata*

Graduate committees

Dudenka Anaya (2009), Alice Adkins (2010), Matt Bettino (2010), Rizwana Kauzer (2010), Kacie Barton (2012), Christina Kieffer (2013), Karter Boutros (2013), Rolando Lopez (2015), Jennifer Boren (2016), Victoria Torres (2020)

External graduate committee service

Lauren Fah, MS (2015) CSU Long Beach

Postdoctoral Advisees

Ching-Yu Huang (2010)

Institutional and Local Service

CSUDH Student Research Day Faculty Chair (responsible for organizing the event), 2018-current
 CSUDH College of Natural and Behavioral Sciences, Committee on Retention, Tenure and Promotion, 2020

CSUDH Biology Department Committee on Retention, Tenure and Promotion, 2011-2020; Chair: 2017-2020

CSUDH Title IX Coordinated Community Response Committee, 2017-current

CSUDH University Academic Senator, 2013-current

CSUDH Biology Department Graduate Committee, 2007-current

CSUDH Science Subject Matter Preparation Program (SMPP) Director, May 2011-current

CSUDH Teaching in Science Advisor, Jan 2010 - current

CSUDH University Committee on Educator Preparation, 2008-current

California Desert Studies Consortium Board Member (Faculty Alternate) 2019-current

CSUDH Gender Equity Taskforce (elected as tenure-track faculty representative) 2019-2020

CSU Chancellor's Office Research Data Working Group 2018-2019

CSUDH University Strategic Planning Enrollment Management Task Force, Graduate Studies Committee, 2018

CSUDH Biology Department Search Committee member, 2018-9, 2019-20
CSUDH Biology Department Search Committee Chair, 2015
CSUDH Biology Department Curriculum Committee, 2008-2015
CSUDH Biology Department Space Committee, 2008-current
CSUDH Ad-hoc Committee on Pre- and Post- Award Grant Services, 2015
CSUDH NBS Advisory Council on Research, 2012-2014
CSUDH University Grade Appeals Review Board Investigator, Spring 2012
CSUDH International Programs promotion group, Fulbright Scholar Program (2009-2011)
CSUDH Task Force on Marketing, Feb 2010 - 2011
CSUDH Facilitator for SCUR Conference at CSUDH, Spring 2009
CSUDH WASC review interview panel on Faculty Development, Feb 2008
CSUDH Day with Dominguez appearances: several 2007-2011
CSUDH NBS Budget Advisory Committee, 2007-2009
CSUDH NBS ad-hoc Online Programs Committee, September 2008 -2009
CSUDH representative to system-wide meeting with the director of the CCTC, 1 May 2009
CSUDH Student Research Conference, Judge, most years
USD Shiley Center Website Maintenance Committee, 2004-2007
USD Health Sciences Evaluation Committee, 2002-2006
USD Goldwater and Hayes Scholarship Committees, 2004-2006
USD Graduate School in Biology faculty panel coordinator, 2000-2006
Liaison between USD and San Diego County Parks, 2001-2005.
USD Study Abroad Committee, Latin American Program Subcommittee, 202-2006
USD Research and Internship Conference Organizing Committee, 2005
USD Advisor to Goldwater Scholarship nominees, 2002, 2005
USD Science Lecture Series, Co-Organizer: 2001-2002; Speaker: 2002, 2003
Co-coordinator, Gettysburg College Biology seminar series, 1999-2000
Chair, E.P.O. Biology Colloquium Committee, University of Colorado, 1997-1998
Manager of BUGS electronic mailing list (bugs-l@colorado.edu), 1995-1998
Organizer, Behavioral Ecology Journal Club, University of Colorado, 1997-1998
Coordinator of E.P.O. Biology Brown Bag Lunch Seminar Series, 1997

Professional Affiliations

American Association for Advancement of Science

American Society of Naturalists (life member)

Association for Tropical Biology and Conservation

Council on Undergraduate Research

Ecological Society of America (life member)

Entomological Society of America

International Union for the Study of Social Insects

Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (life member)