

## Curriculum Vitae, September 2019

### Terrence P. McGlynn

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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	2018-
Professor of Biology, CSU Dominguez Hills	2015-
Research Associate, Natural History Museum of Los Angeles County	2016-
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

### Books

McGlynn, T.P. 2020. *A Practical Guide to College Science Teaching* [working title] University of Chicago Press.

### Peer-Reviewed Publications

Adams, B.J., E. Li, C.A. Bahlai, E.K. Meineke, T.P. McGlynn, B.V. Brown. Local and landscape variables shape insect biodiversity in an urban biodiversity hotspot. *Ecological Applications*, in revision.

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*. In press: 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, and 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.

### **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. Dryad Digital Repository Data from: Day/night upper thermal limits differ within *Ectatomma ruidum* ant colonies. <https://doi.org/10.5061/dryad.6b6q5>

### **Editorial service**

2015 – current            Associate Editor for *Insectes Sociaux*  
2010 – 2018             Subject Editor for *Biotropica*

### **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.

### **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 Department of Entomology, Penn State University  
2019 Department of Entomology, UC Riverside (Student Select Speaker)  
Department of Ecology and Evolutionary Biology, UC Irvine  
Program in Ecology and Evolutionary Biology, UC Davis  
2018 Keck Joint Science Department, Claremont Colleges  
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  
 Southern California Technology in Education Conference, Panelist on STEM Education  
 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”

### **Invited Workshops and Training Participant**

2018, Climate Reality Leadership Training, Los Angeles, CA.  
2017, Sparks for Change Workshop Sponsor, NSF-funded Diversity in Geosciences program, Boulder, CO.  
2014, NSF-RCN Defaunation in Tropical Forests Working Group, La Selva, Costa Rica.  
2007, NCEAS (National Center for Ecological Analysis and Synthesis) working group, invited participant, “Spatial Aspects of Stoichiometry,” Santa Barbara, CA  
2000 – 2005, IUCN (World Conservation Union) Species Survival Commission, Social Insect Specialist Group  
1996, Ants of the Leaf Litter Workshop, Ilheus, Brazil

### **Professional Development Facilitator**

2012 - 2013	Google Digital Ambassador to CSU Dominguez Hills
2011 - current	Director of the Biology Subject Matter Preparation Programs of CSUDH
2010 - current	Teaching in Science Advisor at CSUDH
2008 - 2009	Co-facilitator inquiry learning institutes for LAUSD biology teachers
2006	Inquiry learning workshop for K-12 teachers, Reuben H. Fleet Science Center

### **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. 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.

### **Conference Presentations** (\* indicates undergraduate)

- McGlynn, T.P. 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. IUSI 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)

### **Professional Training in Teaching Methods**

- 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)
- 2007 Faculty Success Program, CSU Dominguez Hills (3 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.

### **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**

- 2018 Search Committee for the Editor-in-Chief of Biotropica, Association for Tropical Biology and Conservation
- 2014-2017, Awards committee, IUSSI-NAS (North American Section of the International Congress of the International Union for the Study of Social Insects)
- 2012-2014, Nominations committee, IUSSI-NAS (North American Section of the International Congress of the International Union for the Study of Social Insects)
- 1997 Organizational committee for the North American IUSSI meeting, Niwot Ridge, 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**

2012 Hannah Larson, MS (Biology)

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

2017 Sara Hu, MS (Biology)

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

### **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)

### **External graduate committee service**

Lauren Fah, 2015, CSU Long Beach

## **Postdoctoral Advisees**

Ching-Yu Huang (2010)

## **Institutional and Local Service**

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

CSUDH Gender Equity Taskforce, 2019-2020

CSUDH Biology Department Committee on Retention, Tenure and Promotion April 2011-current; Chair, 2017-current)

CSUDH Title IX Coordinated Community Response Committee, 2017-current

CSUDH University Academic Senator, 2013-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

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 Graduate Committee, 2007-current

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 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)