William W. Driscoll

Département de Biologie, École Normale Supérieure, 46 rue d'Ulm, Paris, France

wwdriscoll@gmail.com

Education

B.S. Geology, The College of Wooster, Wooster, Ohio 2005

Ph.D. EEB, University of Arizona, Tucson, Arizona 2012

Employment and education history

Sept 2012-present:	Postdoctoral Research Fellow, Département de Biologie, École Normale Supérieure, Paris, France.
Aug 2011-Aug 2012:	Trainee, Computational and Mathematical Modeling of Biomedical Systems (NIH), Program in Applied Mathematics, University of Arizona, Tucson, Arizona.
Jan 2010-Dec 2011:	Graduate research assistant, Ecology and Evolutionary Biology, University of Arizona, Tucson, Arizona.
July 2006-Aug 2006:	Student, Complex Systems Summer School, Santa Fe Institute, Beijing, People's Republic of China.
Aug 2006-May 2011:	Teaching assistant, Ecology and Evolutionary Biology, University of Arizona, Tucson, Arizona.
Jan 2006-May 2006:	Teacher, China University of Geosciences, Wuhan, People's Republic of China.
Aug 2004-May 2005:	Teaching assistant, Geology Department, The College of Wooster, Wooster, Ohio.
June 2003-Aug 2004:	Research assistant, Geology Department, The College of Wooster, Wooster, Ohio.

Peer-reviewed publications

Driscoll, W. W., Espinosa, N. J., and Hackett, J. D. (2012) "Allelopathy as an emergent, exploitable public good in the bloom-forming microalga *Prymnesium parvum.*" *Evolution.*

Herron, M., Shelton, D., Rashidi, A., and **Driscoll, W. W.** (In press at *Biological Reviews*) "Cellular differentiation and individuality in the "minor" multicellular taxa."

Eldakar, O. T., Gallup, A. C., and **Driscoll, W. W.** (2012) "When hawks give rise to doves: the evolution and transition of enforcement strategies." *Evolution.*

Driscoll, W. W., Pepper, J. W., Pierson, L. S., and Pierson, E. A. (2011) "Gac mutants in *Pseudomonas chlororaphis* biofilms: social parasite or mutualist?" *Applied and Environmental Microbiology*, **77**: 7227-7235.

Driscoll, W. W. and Pepper, J. W. 2010. "Theory for the evolution of diffusible public goods traits." *Evolution,* **64:** 2682-2687.

Nedelcu, A., **Driscoll, W. W.**, Durand, P., Herron, M., Rashidi, A., and Shelton, D. 2010. "On the paradigm of altruistic suicide in the unicellular world." *Evolution,* **65:** 3-20.

Driscoll, W. W., Wiles, G. C., D'Arrigo, R. D., and Wilmking, M. (2005) "Divergent tree growth response to recent climatic warming, Lake Clark National Park and Preserve, Alaska." *Geophysical Research Letters*, **32:** L20703.

Presentations

Driscoll, W. W., Ferriere, R., and Hackett, J. (2012) "Do alternative phenotypes in toxic *Prymnesium parvum* blooms reveal a social dilemma?" Presentation at the Society for the Study of Evolution, 2012 National Meeting, Ottawa, ON, Canada.

Driscoll, W. W. and Hackett, J. (2011) "Multilevel selection and adaptive hypotheses for toxin production in microalgae." Presentation at the Phycological Society of America 2011 National Meeting, Seattle, WA, USA.

Driscoll, W. W., Pierson, L. S., and Pierson, E. A. (2011) "Public goods-mediated mutualism between global regulatory variants in *Pseudomonas chlororaphis* biofilms." Presentation at the Society for the Study of Evolution 2011 National Meeting, Norman, OK, USA.

Driscoll, W. W., Pierson, L. S., and Pierson, E. A. (2011) "Spontaneous *Gac* mutants in *Pseudomonas* biological control strains: Are they cheaters or mutualists?" Presentation at the American Phytopathological Society 2011 National Meeting, Honolulu, HI, USA.

Driscoll, W. W. (2011) "Public goods problems in microbes." Presentation at NIMBioS Workshop: Individual-based microbial ecology, University of Tennessee, Knoxville, TN.

Patrick, L. D., Gregoire, P., Buzzard, V. R., **Driscoll, W. W**., Stark, S. C., Stegen, J. C., Kerkhoff, A., Price, C. A., Lamanna, C. A., Wiede, A. L., Savage, V. M., and Enquist, B. J. (2009) "Empirical evaluation of branching architecture patterns in "non-allometrically idealized" trees." Poster presented at the Ecological Society of America 2009 National Meeting, Albuquerque, NM, USA.

Driscoll, W. W. and Wiles, G. C. (2004) "A new dendroclimatic tree ring network from Lake Clark National Park and Preserve, Alaska." Poster presented at Geological Society of America 2004 National Meeting, Denver, CO, USA.

Awards and Honors

Postdoctoral Fellowship, LabEx MemoLife, Département de Biologie, École Normale Supérieure, 2012.

Departmental Graduate Student Award for Scholarship, University of Arizona Department of Ecology and Evolutionary Biology, 2012.

Doctoral Dissertation Improvement Grant, National Science Foundation, 2010. "Structured groups and the evolution of cooperation in pathogenic biofilms."

Honors, Independent Study Thesis, The College of Wooster, 2004.

Leadership and professional service

Peer reviewer for the *Journal of Evolution*, 2012.

Session Chair, 1st Joint Congress on Evolutionary Biology, Ottawa, Ontario, Canada July 6-12, 2012.

Arizona Assurance Mentor, The University of Arizona, Tucson, Arizona, 2009-2011.

Graduate Student Representative, Department of Ecology and Evolutionary Biology, The University of Arizona, Tucson, Arizona, 2009-2010.

Undergraduate Biology Research poster session judge, University of Arizona, Tucson, Arizona, 2010-2011.