

### Peer Reviewed Journal Articles

- Turner, T.L., Bourne, E.C., **von Wettberg, E.J.**, Hu, T.L., and Nuzhdin, S.V. 2010 in press. Population resequencing reveals local adaptation of *Arabidopsis lyrata* to serpentine soils. *Nature Genetics*. Available online March 2010.
- Friesen, M.L.\*. and **von Wettberg, E.J.\*** (2010) Adapting genomics to study the ecology and evolution of agricultural systems. *Current Opinion in Plant Biology*. [doi:10.1016/j.pbi.2009.11.003](https://doi.org/10.1016/j.pbi.2009.11.003)
- \* Denotes equal contribution to the work
- Wright, J, and **von Wettberg, E.J.** (2009) Serpentinomics – an emerging field of study. *Northeastern Naturalist*. 16 (Special Issue 5): 285-296
- Anten, N.P.R., **von Wettberg, E.J.**, Pawlowski, M., and Huber H. (2009) Interactive effects of spectral shading and mechanical stress on the expression and costs of shade avoidance. *American Naturalist*, 173:241-255.
- Turner T.L., **von Wettberg E.J.**, Nuzhdin S.V. (2008) Genomic analysis of differentiation between soil types reveals candidate genes for local adaptation in *Arabidopsis lyrata*. *PLoS ONE* 3(9): e3183. doi:10.1371/journal.pone.0003183
- von Wettberg, E.J.** Remington, D.L. and Schmitt, J. 2008. Partitioning adaptation differentiation across a patchy landscape: Shade avoidance traits in *Impatiens capensis*. *Evolution*, 62, 654–667.
- Tabak, N., and **von Wettberg, E.J.**, 2008. Native and introduced *Impatiens* of the Northeast: parallel introductions and global spread of temperate jewelweeds. *Northeastern Naturalist*, 15: 159-176.
- von Wettberg, E.J.** and Schmitt, J. 2005. An experimental separation of stem and leaf shade avoidance responses in *Impatiens capensis*. *American Journal of Botany*, 92: 868-874.
- von Wettberg, E.J.** Huber, H. and Schmitt, J. 2005. Interacting effects of microsite quality, plasticity, and dispersal distance from the parental site on fitness in a natural population of *Impatiens capensis*. *Evolutionary Ecology Research*. 7: 531-548
- \* Gravuer, K. **von Wettberg, E.J.** and Schmitt, J. 2005. Population differentiation and genetic variation inform translocation decisions for *Liatris scariosa* var. *novae-angliae*, a rare New England grassland perennial. *Biological Conservation*, 124: 155-167.
- \* Undergraduate mentored publication
- von Wettberg, E.J.** and Weiner, J. 2004. Effects of distance to crop rows and to conspecific neighbours on the Size of *Brassica napus* and *Veronica persica* weeds. *Basic and Applied Ecology*, 5: 34-41.
- Huber, H. Kane, N. Heschel, M.S. **von Wettberg, E.J.** Banta, J. Leuck A. and Schmitt, J. 2004. Frequency and microenvironmental pattern of selection on plastic shade avoidance traits in a natural population of *Impatiens capensis*. *American Naturalist*, 163: 548-563.
- von Wettberg, E.J.** and Weiner, J. 2003. Nutrient heterogeneity does not make belowground competition size-asymmetric in glasshouse populations of *Triticum aestivum*. *Plant Ecology*. 169: 85-92.

Richards, M. H. **von Wettberg, E.J.** and Rutgers A. 2003. A novel social polymorphism in a primitively eusocial Hymenopteran. *Proceedings of the National Academy of Science USA*, 100: 7175-7180.

\* Gravuer, K. **von Wettberg, E.J.** and Schmitt, J. 2003. Dispersal biology of *Liatris scariosa* var. *novae-angliae* (Asteraceae), a rare New England grassland perennial. *American Journal of Botany*. 90: 1159-1167.

\* Undergraduate mentored publication

#### **Natural History and Educational Materials**

**von Wettberg, E.J.** 2004. Transvestism of the Land. *Watersheds*. 2: 24-26.

**von Wettberg, E.J.** 2001. Muskrat Ramble. *The New York State Conservationist* 56: 8-10.

**von Wettberg, E.J.** 2001. A Guided Tour of the Madison Lane Wetland. A pamphlet printed by the Madison Lane Landtrust, Hamilton, N.Y., USA.