

Malcolm Augat

Education

2005 – 2009 **Bachelor of Arts**, *Swarthmore College*.
Biology and Computer Science majors

Publications

Journal articles

Sanderson BJ, **Augat ME**, Taylor DR, and Brodie III ED (2016). Scale dependence of sex ratio in wild plant populations: implications for social selection. *Ecology and evolution*, 6(5):1411–1419.

Formica VA, Wood CW, Larsen W, Butterfield RE, **Augat ME**, Hougen H, and Brodie III ED (2012). Fitness consequences of social network position in a wild population of forked fungus beetles (*Bolitotherus cornutus*). *Journal of Evolutionary Biology*, 25(1):130–137.

Formica VA, McGlothlin JW, Wood CW, **Augat ME**, Butterfield RE, Barnard ME, and Brodie III ED (2011). Phenotypic assortment mediates the effect of social selection in a wild beetle population. *Evolution*, 65(10):2771–2781.

Formica VA, **Augat ME**, Barnard ME, Butterfield RE, Wood CW, and Brodie III ED (2010). Using home range estimates to construct social networks for species with indirect behavioral interactions. *Behavioral Ecology and Sociobiology*, 64(7):1199.

Conference proceedings

Tomasik B, Kim JH, Ladlow M, **Augat ME**, Tingle D, Wicentowski R, and Turnbull D (2009). Using regression to combine data sources for semantic music discovery. In *International Symposium on Music Information Retrieval*.

Presentations and posters

Presentations

Augat ME (2013). Selection and sexual dimorphism in *Silene vulgaris*. *South Eastern Population Genetics Ecology and Evolutionary Biology Conference*.

Augat ME and Brodie III ED (2013). The Response to selection in complex mating systems. *Evolution*.

Posters

*Escoto KM and **Augat ME** (2014). The Scale of social interaction in *Silene vulgaris*. In *Swarthmore Sigma Xi fall poster session*.

Augat ME, McGlothlin JW, and Brodie III ED (2011). The Evolution of between-sex genetic correlations under directional selection. In *Evolution poster session*.

Awards and Fellowships

2014 National Science Foundation Doctoral Dissertation Improvement Grant (\$12,423).
Between-class gene flow in complex mating systems: The evolution of sexual differentiation in *Silene vulgaris*

2013 Sigma Xi Grants-in-aid of research (\$500)

* Undergraduate collaborator

- 2013 American Society of Naturalists Student Research Award (\$2,000)
- 2011 & 2012 National Science Foundation Graduate Research Fellowship Program Honorable Mention
- 2010 University of Virginia Office of the Vice-president for Research Fellowship Enhancement

Mentoring experience

- 2014 & 2015 **Renée Bogda**, University of Virginia.
Social and abiotic environmental effects on seed set in *Silene vulgaris*
- 2014 & 2015 **John Massie**, University of Virginia.
Heritabilities of seed characteristics in *Silene vulgaris*
- 2014 **Kathleen Escoto**, NSF REU, Mountain Lake Biological Station.
The Scale of social interaction in *Silene vulgaris*
- 2013 & 2014 **Elliott Pillsbury**, University of Virginia.
Within and among plant patterns of sex allocation in *Silene vulgaris*
- 2013 **Austin Yantes**, NSF REU, Mountain Lake Biological Station.
Phenotypic plasticity across varying soil environments in *Silene vulgaris*

Teaching experience

- 2017 **Teaching assistant**, Biology 3010: Genetics and Molecular Biology.
- 2016 **Teaching assistant**, Biology 3150: Microbiology laboratory.
- 2012, 2013 & 2015 **Teaching assistant**, Biology 2040: Introduction to organismal and evolutionary biology laboratory.
- 2013 & 2014 **Teaching assistant**, Biology 2030: Cell biology and genetics laboratory.
- 2014 **Teaching assistant**, Biology 3090: Biology of infectious disease.
- 2011 & 2012 **Teaching assistant**, Biology 3400: Functional morphology of vertebrates.

Memberships

- 2011 – 2017 **Society for the Study of Evolution.**
- 2011 – 2017 **American Society of Naturalists.**
- 2008 – 2017 **Sigma Xi Scientific Research Society.**