

## Biographical Sketch—Matthew H. Koski

### Professional Preparation

University of Michigan	Ann Arbor, MI	Environmental Science	B.S. 2009
University of Pittsburgh	Pittsburgh, PA	Ecology & Evolutionary Biology	PhD 2015
University of Virginia	Charlottesville, VA	Biology	Postdoc 2015-2018

### Appointments

Assistant Professor, Department of Biological Sciences, Clemson University, starting August 2019

Research Assistant Professor, Department of Biology, University of Virginia, 2018-present

### 10 Most Relevant Publications

**Koski, M. H.**, and T.-L. Ashman. 2015. Patterns of floral pigmentation provide example of Gloger's rule in plants. Nature Plants 1: 14007.

**Koski, M. H.**, A. Padilla<sup>^</sup>, A. Pham<sup>^</sup>, J. L. Ison, and L. F. Galloway. 2018. Linking pollinator effectiveness to patterns of pollen limitation: small bees exploit the plant-pollinator mutualism. Proceedings of the Royal Society B 285: 20180635.

**Koski, M. H.**, and L. F. Galloway. 2018. Geographic variation in pollen color is associated with temperature stress. New Phytologist 218: 370-379.

**Koski, M. H.**, and T.-L. Ashman. 2015. An altitudinal cline in UV floral pattern corresponds with a behavioral change of a generalist pollinator assemblage. Ecology 12: 3343-3353.

**Koski, M. H.**, and T.-L. Ashman. 2016. Reproductive character displacement and environmental filtering shape floral variation between sympatric sister taxa. Evolution 70: 2616-2622.

**Koski, M. H.**, and T.-L. Ashman. 2016. Macroevolutionary patterns of ultraviolet floral pigmentation explained by geography and associated abiotic factors. New Phytologist 211: 708-718.

**Koski, M. H.**<sup>1</sup>, D. Grossenbacher<sup>1</sup>, J. Busch, and L. F. Galloway. 2017. A geographic cline in the ability to self-fertilize is unassociated with the pollination environment. Ecology 98: 2930-2939.

**Koski, M. H.**, and T.-L. Ashman. 2014. Dissecting pollinator responses to a ubiquitous ultraviolet floral pattern in the wild. Functional Ecology 28: 868-877.

Leibman, L.<sup>^</sup>, A. Rowe<sup>^</sup>, **M. H. Koski**, and L. F. Galloway. 2018. Populations with greater flexibility in floral traits modify mating system in response to the pollination environment. Functional Ecology 32: 1457-1466.

Brittingham, H. A.<sup>^</sup>, **M. H. Koski**<sup>\*</sup>, and T.-L. Ashman<sup>\*</sup>. 2018. Higher ploidy is associated with reduced range breadth in the Potentilleae tribe. American Journal of Botany 105: 700-710

**Koski, M. H.**<sup>1</sup>, G. A. Meindl<sup>1</sup>, G. Arceo-Gomez, M. Wolowski, K.A. Lecroy, T.-L. Ashman. 2015 Plant-flower visitor networks in a serpentine metacommunity: Assessing traits associated with keystone plant species. Arthropod-Plant Interactions 9: 9-21.

## **Synergistic Activities**

1. Organized and implemented ecology lessons for high school students from Western Albemarle High School at University of Virginia's Mountain Lake Biological Station. Weekend trip included natural history lessons, planning of group student-driven research projects, data collection, and analyses.
2. Undergraduate mentoring and contributions to inclusion: Mentored 20 undergraduate researchers between 2010 and present. Ten are POC, 16 are women and at least three identify as LGBTQIA.
3. Reviewer for *New Phytologist*, *Molecular Ecology*, *Evolution*, *Functional Ecology*, *Plant Biology*, *Annals of Botany*, *American Journal of Botany*, *International Journal of Plant Sciences*, *AoB Plants*, *Arthropod-Plant Interactions*, *Oecologia*, *Journal of Ecology*.
4. Served on review board for the Rocky Mountain Biological Laboratory Graduate Student Research Grants. On a three person committee was responsible for reviewing up to 30 grant applications per year for three years.
5. Presented research and contributed data and scientific photographs to Cleveland Metroparks for the Backyard Biodiversity Bash, a public outreach event aimed at educating the public about natural areas, and getting families outdoors.