

Short Communication Open Access

## Maintenance of genetic diversity through plant-herbivore interactions

Andrew DGloss, Anna CNelson Dittrich, BenjaminGoldman-Huertas, Noah KWhiteman

 $\mathcal{C}$   $\mathcal{C}$   $\mathcal{C}$ 

## **Abstract**

- •Genomic studies reveal variation at genes mediating plant-herbivore interactions.
- •Theory suggests spatially varying selection (SVS) maintains this variation.
- •Genetic mapping and population genetics are complementary for investigating SVS.
- •Studying model species can functionally link interacting plant and insect variation.

Identifying the factors governing the maintenance of genetic