Postdoc position: Genomics of Somatic Mutation Accumulation and Clonal Evolution in *Mimulus*

A postdoctoral position is available in the Cruzan lab at Portland State University as part of a collaborative NSF-funded project focused on understanding the consequences of clonal evolution and natural selection on somatic mutation accumulation in plants. Mutation accumulation is intrinsically different in plants compared to animals, because the same germ cells that subtend vegetative growth are responsible for gamete production. Somatic mutations can occur with each mitotic division during stem growth; consequently, plants have enormous potential to accumulate mutations, but the effects of these mutations on adaptation is unknown. This project will use genomic and greenhouse experiments to identify the fitness consequences of somatic mutations for plants in the next generation, using *Mimulus* as a model system.

A PhD in evolutionary genetics or a related field is required. We seek an individual with experience and expertise in at least two of the following: genomics, bioinformatics, and plant biology. The ideal candidate will be independent, highly motivated, productive, and able to work effectively in a team with members from a variety of diverse backgrounds. In addition, the successful candidate will have an excellent understanding of experimental design and a proven publication record, and they will have intellectual purview over the design and implementation of experiments. This work will be conducted in collaboration with PIs, graduate, and undergraduate students at Portland State University (Cruzan lab) and the University of Oregon (Streisfeld lab).

Interested individuals should send a letter of introduction to Mitch Cruzan (Cruzan@pdx.edu) that includes a brief statement of your background. Please include an essay outlining your research interests and a recent copy of your CV.

Mitch Cruzan, Department of Biology, Portland State University, Portland, OR