The Sloan Lab at Colorado State University is seeking inquiries from postdoctoral researchers with experience in molecular biology and evolution to lead projects supported by new grants from NIH (5 yrs) and NSF (4 yrs). The focus of our research is on the evolution of plant organelle genomes and their coevolution with the nucleus. In particular, we are interested in mutational mechanisms, selective pressures, and the causes/consequences of extreme changes in rates of evolution in mitochondrial and plastid DNA. More information about our past research projects and publications is available at our lab website: https://sites.google.com/site/danielbsloan/

We anticipate opportunities for highly motivated postdoctoral researchers who are excited about addressing evolutionary questions at the molecular level and want to contribute to a positive and collaborative intellectual environment.

Relevant skills and areas of expertise for these different projects would include:

- Genetic modification (transformation) of the plastid genome and plant tissue culture
- Mutation detection and analysis of deep sequencing data
- Library construction for next-generation sequencing
- Evolutionary genomics and phylogenetics

Our lab is in the Department of Biology at Colorado State University, which is housed in a state-of-the-art research facility that was just completed in 2017. The department includes numerous labs in the fields of both plant molecular biology and evolutionary biology, so there are ample opportunities for collaboration outside the lab group. The university is in Fort Collins, Colorado, which routinely ranks among the top locations in the country in terms of overall quality of life.

To get more information and discuss opportunities, inquiries can be e-mailed to Dan Sloan (dbsloan@rams.colostate.edu) and should include a CV and a very brief statement of research/career goals. Our lab will be attending the upcoming SMBE meetings, so researchers who will be at the conference are also encouraged to e-mail Dan to set up a time to meet in Austin. Review of inquiries will begin immediately.