I am interested in identifying what factors give *Fusarium circinatum* the ability to be a pathogen on *Pinus spp*. I use many methods to this end from microscopy and culturing techniques to genetic and genomic approaches. My research has included using pulsed-field gel electrophoresis to resolve chromosomes as a complement to genome sequencing. I am interested in chromosome polymorphisms and the relationship of polymorphisms to virulence.