

Department of Biology presents

**“Using genomic tools and evolutionary approaches to solve microbial problems”**

**ABSTRACT.** My lab works on a large diversity of microbial systems and questions – ranging from plant viruses, to cone snails, methanogens and clinically relevant bacteria. We have a common theme of using genomic data and evolutionary theory to investigate viral and bacterial populations and communities. I will be presenting some of our work on exploiting evolutionary trade-offs and using viruses to combat antibiotic resistance, and some of our work on how plant microbiomes evolve in real time, and how species interactions amongst microbes might influence drought tolerance.

**Mark Sstrom**

Assistant Professor

Life and Environmental Sciences, UC Merced

**Friday, October 14, 2016**

**3:00 PM**

**Science 2, Room 109**

**For further information:** [www.csufresno.edu/biology](http://www.csufresno.edu/biology) or phone 278-2001. If you need a disability-related accommodation or wheelchair access information, please contact Lindasue Garner at the Department of Biology @ 278-2001 or e-mail [lgarner@csufresno.edu](mailto:lgarner@csufresno.edu) (at least one week in advance of event).