

PhD Positions in the lab of Olin Silander at Massey University, Auckland, NZ

We have ~~three~~ one PhD scholarship available for students with interests in evolution, microbial behaviour, and/or microbial genomics. The position is part of a new Marsden-funded project (Title: *The Stuff Memories Are Made Of: How Bacteria Remember and Learn from Environmental Signals*). The research will require a broad range of techniques: microfluidics, long read (nanopore) sequencing, high-throughput flow cytometry, and quantitative phenotypic analyses. Recent publication: [Kaiser, Jug et al. \(2018\) *Nature Communications*](#).

We are seeking students with wet lab experience (e.g. microbial genetics, molecular methods, microscopy) and/or computational experience (e.g. python, R). The strengths and interests of the student will determine the precise direction and methods for each project.

The lab is in the Institute of Natural and Mathematical Sciences at Massey University, Auckland. We study evolutionary processes in bacteria, primarily *Escherichia coli*, using genomic and quantitative phenotypic data (at both the population and single-cell level).

The Institute of Natural and Mathematical Sciences has a young and dynamic faculty with a broad range of research interests, from statistics to ecology to evolution. Massey University is located on the North Shore of Auckland, New Zealand, a city which is regularly ranked among the most liveable cities in the world.

Each three-year scholarship includes an annual tax-exempt stipend of \$27,500 NZD and covers all university fees.

To apply, please send a cover letter and CV (including the names of two references) as a single pdf to Dr. Olin Silander (olinsilander@gmail.com). Application deadline is ~~Jan-15~~ **Feb 10 2018**. Start date upon mutual agreement.