

PhD scholarship: Mathematical modeling in infection and immunity, Infection Analytics Program, Kirby Institute, UNSW Sydney.

The Infection Analytics Program at the Kirby Institute is looking for talented students with a strong interest in applying quantitative approaches to solving major challenges in infectious diseases, health and immunity.

The Group and Projects

The Infection Analytics Program is a team of mathematicians, physicists and other quantitative specialists, working to understand infection and immunity. The group primarily works on HIV and malaria and has an outstanding track record of research, making a major contribution to the medical and biological sciences. Students who join the group will be trained in interdisciplinary research with a strong emphasis on using mathematical and quantitative approaches, as well as experimental and clinical data to better understand topics in infection and immunity, such as how antimalarials and immunity operate in malaria infections and how to optimise treatment for HIV.

Scholarships

Applicants are sought for both domestic and international student scholarships for PhD studies commencing in 2019. Student scholarships of up to \$34,000-37,000 p.a. are available for a duration of 3.5 years (depending on undergraduate performance).

Applicant Requirements

The Infection Analytics Program at Kirby Institute is an ideal group for students with a quantitative background (mathematics / physics / statistics) aiming to diversify their existing experience in mathematical biology, or considering a career change from another quantitative science to mathematical biology.

The scholarships are highly competitive. For local students, first class honours is usually required. For international students, a high GPA with research experience (first class honours or equivalent, or high ranking in class) is required.

How to apply

For students to commence in Semester 1 2019, applications are due 12 October 2018. Applications to commence later in 2019 will be due early 2019.

Please apply by providing your academic transcripts and CV to Professor Miles Davenport (m.davenport@unsw.edu.au) or Dr. David Houry (david.khoury@unsw.edu.au).