

School of Public Health - PhD Student Project

Title: Intergenerational transmission of cardiovascular risk factors, morbidity and mortality

Supervisor: Associate Professor Abdullah Al Mamun
(<http://researchers.uq.edu.au/researcher/1318>)

Funding: Student Scholarship required, top-up funding may be available to suitable candidate

Student Objectives:

- Advance understanding of life course epidemiology from intergenerational perspectives
- Learn and apply a variety of epidemiological modelling techniques in longitudinal cohort study
- Provide regular research updates through oral and written presentations
- Interact with an interdisciplinary team of researchers in order to optimise research outcomes

Project Outline:

Although there have been enormous advances made in the management and treatment of CVD, reductions in the CVD burden require the development of effective primordial prevention strategies. Understanding the life history of CVD and its risk factors within and across generations, will provide novel insights into disease progression and may identify crucial time windows for the implementation of preventive strategies. This project will explore the associations between risk factors and their trajectories over the lifecourse with CVD risk within and across three generations using a range of statistical methods. We will use multigenerational cohort studies which, internationally, are the only studies of their kind.

The candidate:

We are seeking a candidate who has an excellent academic record and a particular interest in the topic. A strong (bio)statistical, epidemiological or clinical background is essential as is a commitment to conduct high quality research.

Achievable Outcomes:

- A PhD in Public Health
- Multiple scientific papers in high impact research journals
- Experience with oral/written presentations at national/international conferences