

## 2016/2017 Summer Studentship Project Application Form

Send to: Research Office, University of Otago Christchurch, PO Box 4345, Christchurch, by 5pm on **4 July 2016**

### Supervisor Information (First named supervisor will be the contact):

First Supervisor's Name and Title: Dr Sarah Metcalf

Department - UOC &/or CDHB (if applicable): Infectious Diseases, Christchurch Hospital

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First Supervisors Mailing Address: Dept of Infectious Diseases, Christchurch Hospital, Private Bag 4710, Christchurch

Co-Supervisors Name and Title(s): Dr Simon Dalton, Dr Alan Pithie, Prof Steve Chambers

### Research Category (Choose one category only – to be used for judging the students' presentations):

**Clinical X**

**Laboratory**

**Community**

**Project Title (20 words MAXIMUM): An audit of patients managed on the home intravenous antibiotic service at Christchurch Hospital over 12 months**

**Project Description: The student will review all patients admitted to the Home intravenous antibiotic service at Christchurch Hospital over a 12 month period to describe patient demographics, primary diagnosis, characteristics of antibiotic therapy, comorbidity and complications. The project is best suited to a 4<sup>th</sup> year student with some clinical understanding as review of clinical notes will be required. A comparison will be made to the previous audit completed and published in 2002.**

#### Introduction:

The Department of Infectious Diseases has had a home intravenous antibiotic service since 1999.

At any time point there are approximately 30-40 patients in the community on this service.

The service was last audited in the early 2000's.

We believe that there will be significant changes in the demographics of patients on this service now, reflecting the aging population, as well as patients with greater comorbidity and community health care needs.

#### Aim:

To review the current population on home intravenous antibiotics to describe the demographics, range of diagnoses, range of antibiotic treatment provided and complications, as well as the comorbidity of the patients and community supports required.

#### Possible impact (in lay terms):

This audit will help determine the future resources needed to provide this service.

This audit will ensure we continue to provide a high quality and safe service for our patients

#### Method:

Patients will be identified from the Home intravenous antibiotic service database and baseline demographic data will be extracted from that database into an excel spreadsheet.

Review of electronic discharge letters and clinical notes will be undertaken to complete the audit and enter relevant data into the excel spreadsheet.

Key parameters will include: Gender, age, primary diagnosis, duration of hospital admission, duration of antibiotic treatment (in hospital & in community), antimicrobial(s) used, comorbidity, discharge destination, community supports required, complications including readmissions. Patients from this audit will be then compared to patients from previous audit.