2014/2015 Summer Studentship Project Application Form

Send to: Research Office, University of Otago Christchurch, PO Box 4345, Christchurch, by 5pm on **4 July** 2014

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

Supervisor's Name(s): Melissa James (backup Steve Williams)	
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Research Category (Choose one category only – to be used for judging the students' presentations):

Clinical Yes	**Laboratory**	**Community**

Project Title (20 words MAXIMUM):

:Incidence of Complications after Radiotherapy for Prostate cancer

Project Description:

Nam et Al in the Lancer (2014 15 p 223) published the results of a large cohort study, investigating the incidence of complications other than urinary incontinence or erectile function after radiotherapy for prostate cancer in Ontario Canada. The figures for second malignancy rates and for surgical procedures required after radiation treatment were high and in excess of expected and anecdotal rates of complications for patients treated in Christchurch. We felt it important to study patients treated in the same time period (2002-2009) who had curative radiation treatment to assess our departmental rates of such complications, to better inform the consent process for our patients receiving radiation treatment for prostate cancer.

The process would involve
1.   Identifying the patients who had curative radiation treatment only for localised prostate cancer (not adjuvant after prostatectomy) during the period within the Christchurch Oncology service and residing in Christchurch
2.   Collecting data on the type and dose of radiation these patients received
3.   Identifying patients within this group who had a surgical procedure in the urology service from the urology database (with decision support with ICD codes for confirmation)identifying those with hospital admissions (decision support) and collecting data on second malignancy rates from the cancer registry data
4.   Constructing a database with this information
5.   Comparing this data with the Ontario, Canada series.