

# WEBSTER CENTRE FOR INFECTIOUS DISEASES SYMPOSIUM

**Thursday 15 September 2011**

**9:30 am – 9:45 am**

**Coffee/Tea**

9:45 am – 10:00 am

**Welcome, Introductory Comments** (Kurt Krause, Director WCID)

## Current Topics in Infectious Diseases I

10:00 am – 10:20 am

**Russell Poulter** University of Otago  
“The *Pseudomonas syringae* pv *actinidiae* outbreak in New Zealand kiwifruit”

10:20 am – 10:40 am

**Iain Lamont** University of Otago  
“Iron uptake by *Pseudomonas aeruginosa* in cystic fibrosis”

10:40 am – 11:00 am

**David Murdoch** University of Otago, Christchurch; Canterbury Health Laboratories; and Johns Hopkins Bloomberg School of Public Health  
“Determining the causes of childhood pneumonia and the PERCH project”

11:00 am – 11:20 am

**Jose Garcia-Bustos** William Evans Visiting Fellow, University of Otago  
“Heteroaryl carboxamides, novel chemical leads for malaria drug discovery”

11:20 am – 11:40 am

**Stephen Sowerby** University of Otago  
“Rapid in-field diagnosis of parasitic infectious disease”

11:40 am – 12:00 noon

**Wayne Patrick** Massey University  
“Looking for resistance in all the wrong places (and finding it)”

**12:00 noon – 1:00pm**

**Lunch**

## Tuberculosis and Mycobacterial Diseases

1:00 pm – 1:20pm

**Vic Arcus** University of Waikato  
“A VapBC toxin-antitoxin module regulates metabolic flux by targeting mRNA transcripts that transport and metabolize sugars”

1:20 pm – 1:40pm

**Brooke Dobson** University of Otago  
“The search for candidate genes that characterise susceptibility or resistance to pathogenic mycobacteria”

1:40 pm – 2:00pm

**Michael Berney** University of Otago  
“Overflow metabolism facilitated by lysine export is critical for growth of mycobacteria on fatty acids and cholesterol”

2:00pm – 2:10pm

Short Break

2:10 pm- 2:30 pm

**Richard Campen** Victoria University of Wellington  
“Fast-tracking target identification for new tuberculosis drugs using chemical genetics”

2:30 pm- 2:50 pm

**Siouxie Wiles** University of Auckland  
“Use of bioluminescence for the rapid measurement of antimycobacterial drug activity”

2:50 pm- 3:10 pm

**Shaun Lott** University of Auckland  
“The structure-guided synthesis of inhibitors of *Mycobacterium tuberculosis* tryptophan and mycobactin synthesis”

**3:10 pm- 3:30 pm**

**Afternoon Tea**

3:30 pm- 4:00 pm

**Colin Mackintosh /  
Rudiger Brauning** AgResearch  
“Gene expression in deer resistant or susceptible to Johne’s disease”

4:00 pm- 4:20 pm

**Bryce Buddle** AgResearch  
“Systemic and gut-associated immune responses of cattle experimentally and naturally-infected with *Mycobacterium avium* subsp. *Paratuberculosis*”

4:20 pm- 4:40 pm

**Des Collins** AgResearch  
“Emulating mutations of a random mutant of *Mycobacterium bovis* with better tuberculosis vaccine efficacy than BCG”

4:40 pm – 5:00 pm

**Geoff de Lisle** AgResearch  
“*Mycobacterium pinnipedii* (Seal TB) – an emerging disease in cattle in New Zealand”

5:00 pm – 6:30 pm

Group photo. Free time until dinner. Bus to depart from Otago Museum for Glenfalloch at 6:15pm

**6:30 pm -**

**Pre-dinner drinks / dinner at Glenfalloch Restaurants and Gardens**

8:30 pm

**Stewart Cole** Global Health Institute, Ecole Polytechnique Fédérale de Lausanne  
**Keynote Address: “New medicines for tuberculosis (NM4TB): benzothiazinones”**

# WEBSTER CENTRE FOR INFECTIOUS DISEASES SYMPOSIUM

## Friday 16 September 2011

**8:30 am – 9:00 am**      **Coffee/Tea**

### Current Topics in Infectious Diseases II

- 9:00 am – 9:20 am      **Andrew Highton**      University of Otago  
“Site specific memory T cells generated from sustained antigen release vaccination”
- 9:20 am – 9:40 am      **Joanna Kirman**      Malaghan Institute of Medical Research  
“Using Mycobacteria to fight Cancer”
- 9:40 am – 10:00 am      **Steve Chambers**      University of Otago  
“Update on Mtb breath test”
- 10:00 am – 10:20 am**      **Morning Tea**
- 10:20 am – 10:40 am      **Angela Todd**      ESR  
“Enterovirus surveillance in New Zealand”
- 10:40 am – 11:00 am      **Eve Pleydell**      Massey University  
“Don’t just blame the chickens – assessing the role of ruminants  
in New Zealand’s campylobacteriosis disease burden”
- 11:00 am – 11:20 am      **Gary Evans**      IRL  
“Plasmodium falciparum infections in Aotus monkeys are cleared by a transition state analogue of  
purine nucleoside phosphorylase”
- 11:20 am – 12:00 pm      **Ian Orme**      Department of Microbiology, Immunology and Pathology,  
Colorado State University  
**Keynote Address:** “Memory, immunopathogenesis, and why TB vaccination is doomed to failure....”

**12:00 noon – 1:00 pm**      **Lunch**

1:00 pm – 3:00 pm      **Poster Session**

3.00 pm – 3.30 pm      **Kurt Krause**      University of Otago  
“Poster Awards and WCID Update & Discussion”

**3:30 - 4:00 pm**      **Wrap up and Finish** (people can catch taxis to airport, make flights)