

UNIVERSITY
of
OTAGO



Te Whare Wānanga o Otago

The 8th Annual Carney Pharmacogenomics Symposium

Christchurch

Wednesday 21 November, 2012



*PC Browne Room, First Floor, Canterbury Horticultural Centre,
Riccarton Avenue, Christchurch*

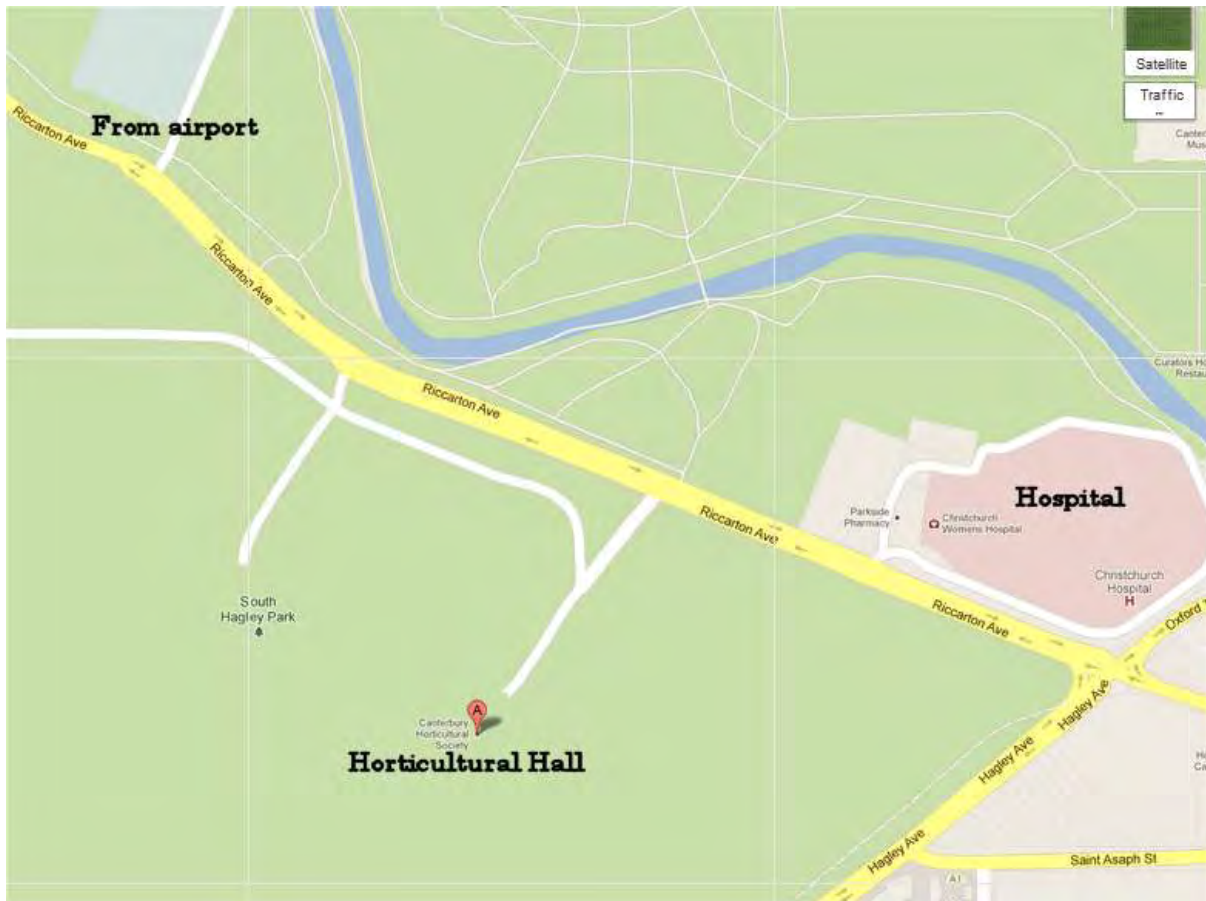
Programme



Venue:

*PC Browne Room, First Floor, Canterbury Horticultural Centre,
Riccarton Avenue, Christchurch*

Located within South Hagley Park, close to the Public Hospital.





9:00am Meet over coffee

9.25am Welcome - Martin Kennedy

Chair: Martin Kennedy

9:30am **Dr Anita Dunbier**, *Department of Biochemistry, University of Otago, Dunedin*. Cancer pharmacogenomics.

9:45am **Pam Buffery**, *Christchurch Hospital*. Is busulfan clearance genetically determined?

10:00am **Dr Nuala Helsby**, *University of Auckland*. Genetic variation and regulation of CYP2C19.

10:15am Morning Tea

Chair: Evan Begg

10:45am **Dr Paul Chin**, *Christchurch Hospital*. Dabigatrin oral availability: role of P-glycoprotein.

11:00am **Prof. Martin Kennedy**, *University of Otago, Christchurch*. Growing a New Zealand biobank (UDRUGS) to allow genetic analysis of rare, serious adverse drug reactions and unusual drug responses

11:15am **Eng Wee Chua**, *University of Otago, Christchurch*. Novel CYP2D6 mutation in a patient with poor response to venlafaxine.

11:30pm **Dr David Gibbs**, *Christchurch Hospital*. Targeted therapies – the hype, the reality and the tsunami.

11:45pm **Diana Balasubramanain**, *University of Otago, Christchurch*. Effect of valproate on SPR gene expression in a serotonergic cell line.

12:00pm Lunch

Chair: Nuala Helsby

1.00pm **Prof Murray Barclay**, *University of Otago, Christchurch*. Pharmacogenetics of TNF-alpha blockers.

1:15pm **Dr Donia Macartney-Coxson**, *Institute of Environmental Science and Research, Wellington*. "Omic" exploration in obesity and type 2 diabetes.

1:30pm **Richman Wee**, *University of Otago, Dunedin*. Research integrity and pharmacogenomics.

1:45pm **Dan Wright**, *Christchurch Hospital*. The influence of renal transporter genotype on the clearance of oxypurinol: a candidate mechanism for 'partial allopurinol resistance'?

2:00pm **Prof Evan Begg**, *University of Otago, Christchurch*. Gentamicin ototoxicity

2:15pm Afternoon Tea and close

Origins of the Centre

The Carney Centre for Pharmacogenomics was established with a generous gift from the Jim and Mary Carney Charitable Trust, which was matched by the Government under the Partnerships for Excellence scheme. The Centre was opened in May 2005, and brings together several groups throughout the University of Otago and elsewhere. Together these groups span a wide range of clinical, pharmacological and generic expertise, and they are applying genetic and genomic techniques to the understanding of drug action and drug responses.

Objectives of the Centre:

- To carry out excellent research into pharmacogenomics, from molecule to bedside
- To provide high quality postgraduate and medical training in pharmacogenomic areas
- To disseminate pharmacogenomics information in ways that inform and improve clinical practice

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Visit our website: www.pgx.org.nz

The screenshot shows the website for the Carney Centre for Pharmacogenomics. At the top, there is a banner with the University of Otago logo and the text 'UNIVERSITY OF OTAGO CHRISTCHURCH'. Below this, the page title is 'Carney Centre for Pharmacogenomics'. The main content area is divided into several sections:

- Pharmacogenomics:** A brief description of the field, stating that it is the study of how genes influence a patient's response to drugs, and that the research area is helping to clarify how genetic differences contribute to the risk of side effects or failure of drug treatment, and how we might better tailor treatment to each patient, leading to improved safety and effectiveness.
- The Carney Centre:** A section titled 'Objectives' which lists three key goals:
 - To carry out excellent research into pharmacogenomics, from molecule to bedside
 - To provide high quality postgraduate and medical training in pharmacogenomics areas
 - To disseminate pharmacogenomics information in ways that inform and improve clinical practice

On the right side of the page, there is a sidebar with a 'RELATED INFORMATION' section, including a link to 'Department of Pathology'.