

## Understanding Infectious Disease Modelling:

### A one-day workshop

Thursday 10<sup>th</sup> September 2015

The Gretel Room, Hobart Function and Convention Centre

#### Overview

This introductory workshop will give participants an understanding of infectious disease models and their value for public health. The workshop will cover the use of modelling to examine disease causes and to assess strategies for control in the context of a variety of infectious diseases. No prior detailed knowledge of modelling infectious diseases or epidemiology is required and only high school level mathematics is needed.

#### Who should attend?

The workshop is targeted at a broad range of participants including epidemiologists, clinicians and public health professionals. This workshop is an excellent opportunity for students and researchers with an interest in the topic to see a broad range of modelling techniques applied to disease transmission.

#### Details

The cost of the workshop is \$300, including lunch and morning tea.

Contact [prism-contact@unimelb.edu.au](mailto:prism-contact@unimelb.edu.au) for further details. Click here for [registrations and payments](#) or go to <http://ecommerce.mdhs.unimelb.edu.au/product.asp?pid=282&cid=10>

CPD certificates of attendance at the workshop will be provided.

There will be practical sessions allowing participants to run simple models coded in Excel. If possible please bring a laptop with Excel installed.

**Presented by members of PRISM<sup>2</sup>, the Centre for Research Excellence in Infectious disease modelling to inform public health policy:**



**Jodie McVernon,**  
University of Melbourne



**Emma McBryde,**  
James Cook University



**James Wood,**  
University of New South  
Wales



**Katie Glass,**  
Australian National  
University



**Patricia Campbell,**  
University of Melbourne



## Timetable

<b>9:00-9:15</b>	Welcome and Introduction	Jodie McVernon
<b>9:15-10:15</b>	Infectious disease models	Katie Glass
<b>10:15-10:45</b>	Tea break	
<b>10:45-12:00</b>	Spreadsheet models <sup>*</sup>	All presenters
<b>12:00-12:45</b>	Building in real-world complexity	James Wood
<b>12:45-1:45</b>	Lunch	
<b>1:45-2:30</b>	Tuberculosis case study	Emma McBryde
<b>2:30-3:00</b>	Pertussis case study	Patricia Campbell
<b>3:00-3:15</b>	Closing	Jodie McVernon

\* If possible please bring a laptop with Excel installed