

49th Union World Conference on Lung Health

24 - 27 October, 2018

The Hague, The Netherlands

Scientific Programme

Wednesday, 24 October 2018

Post-graduate course (PGC)

S - TB education and training

11:30 - 17:30

Everest 1

PGC08 An introduction to tuberculosis modelling

Chairperson: Hsien-Ho Lin, Taiwan

Coordinator: Christopher Finn McQuaid, United Kingdom

Coordinator: Richard White, United Kingdom

This course is designed for individuals interested in modelling TB and the impact of TB care and prevention programmes. It will introduce participants to the basic structure, assumptions, principles, and concepts of TB modelling, including key aspects of the natural history of *Mycobacterium tuberculosis* and the impact and cost-effectiveness of TB care and prevention programmes. Participants will gain hands-on experience of using a TB model and how to appraise TB modelling papers. The role of modelling in policy and decision-making will be highlighted and participants will be informed of the resources available from the TB Modelling and Analysis Consortium (www.tb-mac.org)

Lecture 1: An introduction to tuberculosis modelling

Richard White, United Kingdom

Practical 1: Setting up a model of M. tuberculosis

Emilia Vynnycky, United Kingdom

Paper Discussion: How to critically review a modelling paper

Hsien-Ho Lin, Taiwan

Lecture 2a: Tuberculosis modelling: interventions

Rein Houben, United Kingdom

Lecture 2b: Tuberculosis modelling: cost-effectiveness

Fiammetta Bozzani, United Kingdom

Practical 2: Modelling the impact and cost-effectiveness of tuberculosis interventions

Han Fu, United Kingdom

Summary of the day

Christopher Finn McQuaid, United Kingdom