



Working group on 'Within host modeling of MAP' – June 26-28 2012

Day 1

8:00 Breakfast

Introduction

8:30 Introduction to NIMBioS Lou/Suzanne

Introduction of participants All

Overview of the goals and operating principles for the working group Ynte

9:30 Break

Immunology

10:00 MAP Infection and patho-biology Eiichi

MAP infection immunology - early infection dynamics Ad

MAP infection immunology - cytokine profiles and adaptive immune response Judy

Gene expression profile in MAP infected macrophages Sri

12:00 Lunch

Modeling

1:00 Overview of within host modeling philosophies Vitaly Ganusov (guest)

Mathematical models of immune responses in mycobacterial infections Wen

Draft model developed in previous MAP workshop (I) Maia

3:00 Break

3:30 Draft model for early MAP infection (II) Don

Draft model for MAP immunology (III) Gesham, Shige

Open discussion – definition of key steps for Day 2, development of working groups

5:00 Reception



Day 2

8:00 Breakfast

Epidemiology

8:30 MAP transmission models and field data –	Becky
Effect of bacterial load on MAP infection probability – analysis of field data	Yoram
Additional presentations	Others

Breakout session for working groups (1)

10:00 Break

11:00 Report from each group

12:00 Lunch

1:00 Whole group open discussion – existing data, required data, refinement of suggested models

3:00 Break

Breakout session for working groups (2)

Day 3

8:00 Breakfast

8:30 Report from each group (summary)

10:00 Break

10:30 Open discussion

Define tasks for next meeting

Summary – Next meeting dates Ynte

12:00 Lunch and departures