

Scientific Bases for Malaria Eradication (BMP-5786) workshop:

## **Quantitative Approaches to Malaria**

### **Organizers:**

Marcelo U. Ferreira and Rodrigo M. Corder (USP)

### **Invited Professors:**

Miles P. Davenport (UNSW, Australia) and Claudio J. Struchiner (Fiocruz, Brazil)

### **Date:**

18-22 February 2019

### **Time:**

9:00-17:00h

### **Place:**

Deane Room, Department of Parasitology, Institute of Biomedical Sciences

### **Activities:**

This course has been formatted as a practical workshop on quantitative data analysis, led by Miles P. Davenport and Claudio J. Struchiner, who are global leaders in the area of mathematical modelling of intra-host dynamics, transmission, and evolution of malaria parasites. The first activities (“Theoretical Sessions”) are brief talks that cover the research interests of the invited professors. These sessions are open to non-registered participants. The students are expected to present briefly their ongoing research projects (“Presentation of Students' Research Projects”), which will be discussed in small groups or even individually by one of more professors. At the end of the week, the students are expected to present a summary of the discussions, emphasizing the comments and suggestions made during these discussions (“Summary of Discussions”). The final evaluation will be based on these final presentations.

## **Program**

### **18 February:**

9:00h Introduction (Marcelo U. Ferreira)

9:30h-11:00h Theoretical Session 1 with Discussion (Miles P. Davenport)

14:00h-15h30h Theoretical Session 2 with Discussion (Claudio J. Struchiner)

16:00h-17h00h Theoretical Session 3 with Discussion (Rodrigo M. Corder)

### **19 February:**

9:00h-10:00h Malaria Epidemiology in Brazil (Marcelo U. Ferreira)

10:30h-12:00h Presentation of Students' Research Projects

14:00h-17:00h Discussion of Students' Research Projects within Small Groups

### **20 February:**

9:00h-17:00h Discussion of Students' Research Projects within Small Groups

**21 February:**

9:00h-12:00h Discussion of Students' Research Projects within Small Groups

14:00h-17:00h Summary of Discussions, Session 1

**22 February:**

9:00h-12:00h Summary of Discussions, Session 2