



CUSO Doctoral Program in Microbial Sciences

WORKSHOP “CHALLENGES IN MEDICAL MICROBIOLOGY”

**Thursday November 12 2015, Room 502 Institut de Microbiologie,
Lausanne University Hospital**

Organizers:

Prof. Gilbert Greub, Lausanne University Hospital

Prof. Patrice Nordmann, University of Fribourg

Prof. Stefan Kunz, Lausanne University Hospital

Dr. Sylvia Rothenberger, Program Coordinator CUSO

The field of medical microbiology faces numerous challenges, including the development of novel diagnostic methods and therapeutics to combat severe viral and bacterial infections. A particular challenge in current clinical microbiology is further represented by increasing resistance of pathogenic microbes to antibiotics and the spread of resistance in the hospital and community level.

The present workshop for Ph.D. students of all areas of microbial sciences will give an overview of the current challenges at the forefront of basic and clinical research in medical microbiology. Of particular importance will be the problematic of antibiotic resistance from the standpoint of diagnostics, drug development, and treatment. Presentations by leading experts will be complemented by an interactive visit of the state-of-the-art diagnostics laboratories of the Lausanne University Hospital and a round table highlighting career options for Ph.D. in microbial sciences in medical microbiology.

PROGRAM

MORNING SESSION

9:15 Welcome and presentation of the program

9:30 – 10:15 Prof. Jacques Schrenzel Geneva University Hospital
Clinical metagenomics: recognizing non-infectious bacterial diseases

10:20 – 11:05 Prof. Gilbert Greub, Lausanne University Hospital
Challenges in medical microbiology diagnostics

Coffee break 11:05 – 11:20

11:20 – 12:05 Prof. Patrice Nordmann, University of Fribourg
Antibiotics resistance

12:05 – 12:50 Prof. Muriel Cuendet, University of Geneva
Antimicrobial drug development

Lunch: 13:00 – 14:30 Restaurant Falaises

AFTERNOON SESSION

14:30-15:30 Dr. Katja Jaton, Dr. Anthony Croxatto, Dr. Onya Opota
Interactive visit Microbiology Diagnostics Laboratories CHUV

This interactive visit of the state-of-the-art microbiology diagnostic laboratories of the CHUV will be guided by experts in microbial diagnostics and provide a “real life” experience of modern microbial diagnostics in a large hospital center.

15:30 – 16:30 Dr. Katja Jaton, Dr. Anthony Croxatto, Dr. Onya Opota
Presentation of career options for biologists in microbiology and laboratory medicine

The presentation and round table following the visit will give the opportunity for questions and highlight the career options for Ph.D in microbial sciences in clinical microbiology provide by people with first-hand experience.

16:45 Conclusion of the workshop