

Master of Public Health - Semester 3

Week: 46 from Monday 14th to Friday 18th November 2011 (tbc)

Optional Module “Vaccinology”

Coordinator: Pascal Crepey & Judith Mueller

Location: Reid Hall 4 rue de Chevreuse – 75006 PARIS

Monday 14th November	Tuesday 15th November	Wednesday 16th November	Thursday 17th November	Friday 18th November
<p>9h-12h</p> <p>Introduction</p> <p>History of vaccination</p> <p>Overview of current vaccines and immunization programs, epidemiology of vaccine-preventable diseases</p>	<p>9h-12h</p> <p>Vaccines: high tech products</p> <p>Immunology basics</p> <p>Research and development from the industry perspective</p> <p>Vaccine trials</p>	<p>9h-12h</p> <p>Vaccine economics</p> <p>Global economics and financing of vaccines</p> <p>Cost-effectiveness of vaccine programs</p>	<p>9h-12h</p> <p>Operational and programmatic issues with vaccination</p> <p>Operational aspects, logistics, vaccine coverage surveys</p> <p><u>Exercise 4</u>: Organising a vaccine campaign</p>	<p>9h-12h</p> <p>Decision making for immunization programs, the use of evidence in policy making</p> <p><u>Exercise 5</u>: Case study</p>
12h: Lunch	12h: Lunch	12h: Lunch	12h: Lunch	12h: Lunch
<p>14h-17h</p> <p>New and future vaccines</p> <p>Expert topic: Influenza vaccination in the US</p> <p><u>Exercise 1</u>: Why vaccinate and how?</p>	<p>14h-17h</p> <p><u>Exercise 2</u>: Interpreting vaccine trials</p> <p>Vaccine manufacturing</p> <p>Vaccine safety evaluation</p>	<p>14h-17h</p> <p>Vaccine impact assessment</p> <p>Modelling vaccine impact</p> <p><u>Exercise 3</u>: Modelling vaccine impact and cost-effectiveness evaluation</p>	<p>14h-17h</p> <p>Ethical issues with vaccination programs</p> <p>Acceptability of vaccination</p> <p>Anti-vaccine lobby and pro-vaccine bias</p>	<p>14h-16h30</p> <p>Challenges for the future of vaccine programs</p> <p><u>Exercise 1bis</u>: Why vaccinate and how?</p> <p>Expert topic: to be defined (PCV, Rota, HIV, malaria...)</p> <p>16h30-17h: Module evaluation</p>