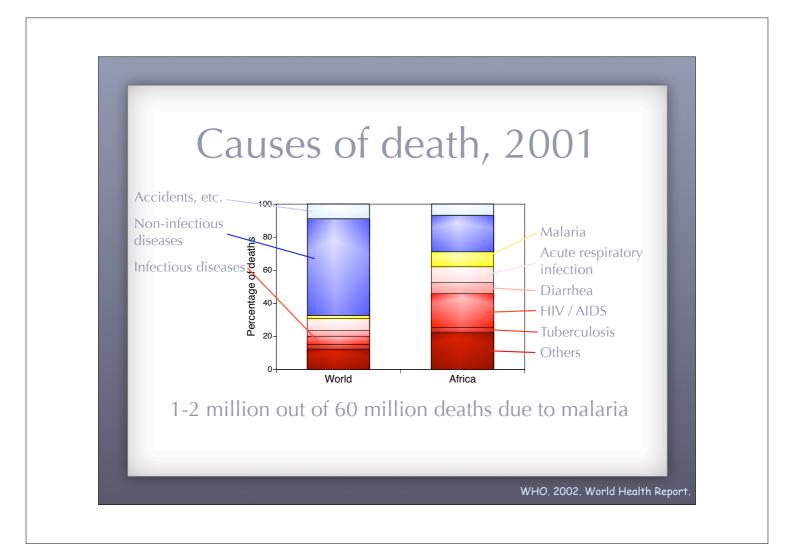
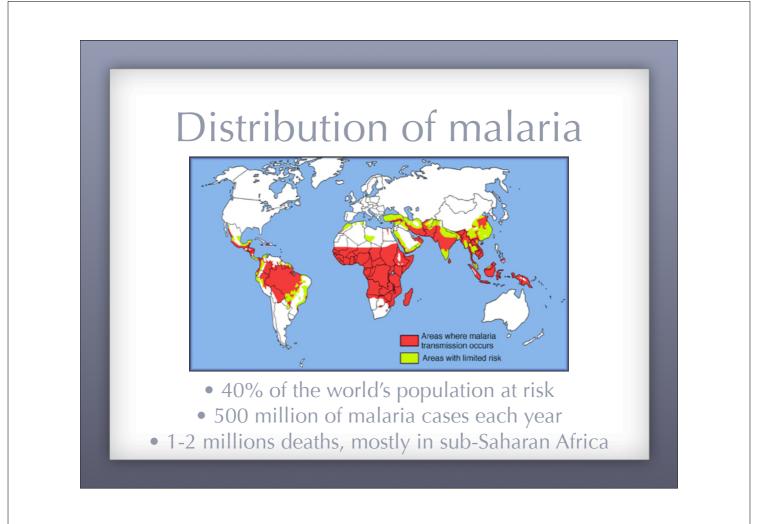
Epidemiology and control of malaria

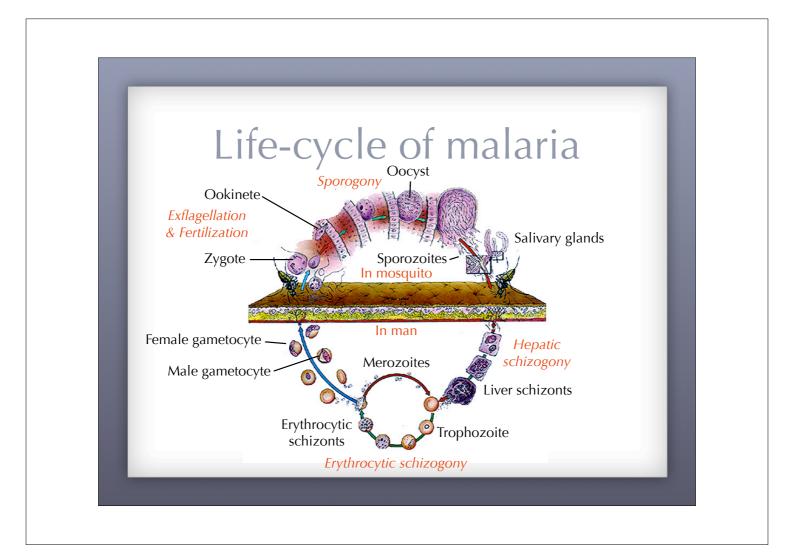
Jacob Koella Université P. & M. Curie, Paris, France

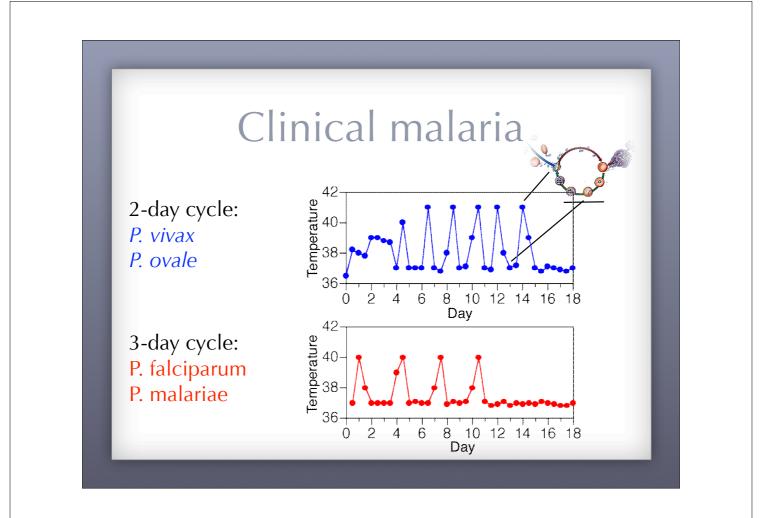
Outline

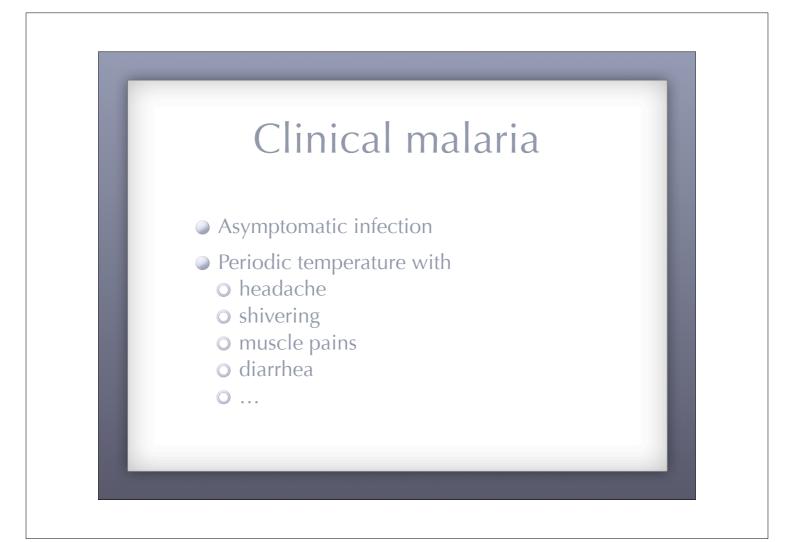
- An introduction to malaria
 - Global situation
 - Life-cycle and some biology
 - Local epidemiology
- Basic equations of malaria control
- Strategies for the management of drug resistance
- Malaria vaccines
- Genetic manipulation of mosquitoes for malaria control











Clinical malaria

Severe malaria

- Severe anemia (30% of red blood cells can be infected. Can be lethal without transfusion)
- Cerebral malaria (coma, 20% mortality even if treated)
- Kidney failure (high mortality)

