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Seventh International Summer School "Infectious Disease Epidemiology", September 2005

Objectives:

Since an emergence and re-emergence of infectious diseases (ID) is observed in developed and developing countries, the agenda of the WHO for the 21st century focuses on prevention and control of communicable diseases. Among the factors that contribute to this revival of infectious diseases are population growth, mobility, urbanisation, poverty and famine, deteriorating health care systems in many regions of the world, new methods of agricultural food production, climatic changes and the globalisation of financial markets. To adequately respond to epidemics of international dimensions better national and international reporting and control systems and cooperation in a worldwide network are needed.

Since 1999 the International Summer School "Infectious Disease Epidemiology" is a well established certified curriculum for higher qualification in infectious disease epidemiology and has attracted several hundred microbiologists, public health experts, students and IDE specialists from European and non-European countries. Each year the topics are adapted to the actual situation, including health economics, bioterrorism, avian influenza and SARS in the last year.

Topics:

- *Principles of infectious disease epidemiology*
- *Methods of infectious disease epidemiology*
- *Outbreak investigation and early warning*
- *Modern surveillance*
- *Stochastic and deterministic modelling*
- *Vaccinations, Health Economics*
- *Newly emerging and reemerging infections:
STDs, HIV/AIDS, hepatitis B and C, SARS, avian influenza, bioterrorism*

The curriculum is especially tailored for students, doctoral students and experts in Public Health, Medicine, Biology, Epidemiology and Infectious Diseases. Active participation is facilitated through multiple practical courses and discussions of own projects with experts.

All participants who successfully complete the programme will be awarded a certificate by the School of Public Health, University of Bielefeld to be used for further qualification in Infectious Diseases, Epidemiology or Public Health.

The summer school is recommended by the German Society for Infectious Diseases (DGI), the German Society for Tropical Medicine and International Health (DTG) and the German Society for Microbiology (DMG).