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BIOLOGY OF DISEASE VECTORS

The 17th Annual Biology of Disease Vectors Course
is being offered at the Liverpool School of Tropical Medicine,
University of Liverpool, Liverpool, England U.K. from July 16 to 28, 2006

Vectors, such as mosquitoes and ticks, transmit diseases to hundreds of millions of human beings, and the number of mortalities associated with these infections exceeds 1,000,000 each year. Some of these diseases, such as yellow fever and malaria, had been controlled to some extent but are now reemerging and proving to be intractable. The basis for the resurgence of many of these diseases and the failure to control others is multi-factorial: lack of trained vector-borne disease scientists, development of insecticide resistance in vector populations, diversion of public health funds to diseases considered to be more important, and lack of adequate vaccines or chemotherapy.

The unique Biology of Disease Vectors has been developed to address some of these issues by promoting basic research in vectors and networking among vector-borne disease experts. The course provides a common background and conceptual framework for developing a new generation of researchers worldwide who can apply modern molecular and quantitative approaches to the study and control of parasite vectors. The course is intended for scientists newly recruited into the field from areas such as molecular biology, molecular genetics, biochemistry, etc. and for those with more conventional training in vector-borne diseases. Advanced Ph. D. graduate students, postdoctoral fellows, and independent investigators are introduced to the biology of disease vectors, emphasizing current molecular biological, genetic, biochemical, physiological, and genomic approaches. Special emphasis is devoted to the biology of vector-parasite interactions. A Mini-Symposium on "*Translational Research in Vector Control*" will be held July 22th as part of the course.

Approximately 30 students and 25 faculty participate in the course. Faculty members are from universities, government institutions, and biotechnology companies from different countries around the world. Students come from many different countries: in a typical year 16 or more countries are represented. Small class size and the selection of world-renowned scientists for faculty provide an unparalleled learning experience. The course is sponsored by the Wellcome Trust, John D. and Catherine T. MacArthur Foundation and the UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases (TDR). Financial aid may be provided based upon need. Previous applicants who have not attended are encouraged to reapply.

Application deadline is February 15, 2006. Information and application forms are available on the web at <http://www.cvmb.colostate.edu/mip/bdv.htm> or contact Dr. Nancy DuTeau, Colorado State University, Department of Microbiology, Immunology & Pathology, Fort Collins, CO 80523-1682. email: nancy.duteau@colostate.edu or Dr. Janet Hemingway, Liverpool School of Tropical Medicine.