



Swiss Tropical Institute
Institut Tropical Suisse
Schweizerisches Tropeninstitut

Abteilung Biostatistik
Gesundheitswesen & Epidemiologie

Research Studentship in Biostatistics

Applications are invited for a PhD studentship in the area of spatial statistical modelling applied to malaria transmission in Africa. The studentship covers living cost and tuition fees and provides support for 3 years. The position is available immediately however a later starting date in Autumn, 2009 is possible by negotiation.

Appropriate qualifications are either a diploma in Mathematics with a substantial statistical component, or in Biology or other related field followed by postgraduate qualification in Statistics. Applicants should also have sound computing skills. The successful applicant will register for a PhD degree at the University of Basel.

The main objective of the research project is to develop Bayesian spatio-temporal methodology for (a) modelling very large non-stationary geostatistical data (b) variable selection in a geostatistical regression model and (c) temporal modelling of malaria incidence data in order to forecast malaria epidemics. The PhD project is part of a bigger programme on analyses of geographical patterns of malaria transmission and mortality in Africa funded within the Swiss-South Africa Joint Research framework and involves a Postdoctoral Scientist and a number of PhD students.

The closing date for applications is June 15th, 2009. Applicants should send their CV and the names and addresses of two referees to the following address:

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