

A post-doctoral position is available immediately at the University of Lyon (France), to work on

symbiotic bacteria of hematophagous acaria particularly Ticks. The project is entitled: Diversity and epidemiological consequences of bacterial endosymbionts in arthropod vectors of vertebrate diseases :

application to blood-sucking acarid. Aims are the identification of endosymbiotic bacteria of Ticks, the measurement of their prevalence in natural populations, the analysis of multiple infections looking for possible association or exclusion among symbionts and pathogens. The localization and colocalization of symbiotic bacteria inside the tick body will also be analyzed. The second part of the project has the objective to determine the consequence of symbiotic bacteria on phenotypic traits of their hosts and their ability to transmit pathogen agents. The problem of Rickettsia will be particularly studied. The objective is to tackle the question of the possible interactions (antagonistic or synergetic) between symbiotic bacteria and pathogen agents transmitted by ticks.

For this position, a Ph.D. in parasitology, symbiotic interactions, bacterial ecology, host-parasite genetics and ecology, or related field is required. The candidate should be familiar with molecular biology and have an interest in applying this knowledge to evolutionary & ecological questions about bacterial symbionts and arthropod vectors. Candidates should have experience in standard tools of molecular biology, including standard DNA extraction, PCR set up and sequencing. He/she should also be willing to interact with the other group members working on bacterial endosymbiont of arthropods and he/she would be encouraged to design and be responsible for independent research that involves the collection, analysis and publishing of data. Knowledge of the French language is not required.

This position is for one year, with a 40 800€ TTC gross annual income.

Candidate must contact F Fleury (<<mailto:fleury@biomserv.univ-lyon1.fr>>[fleury@biomserv.univ-lyon1.fr](mailto:fleury@biomserv.univ-lyon1.fr)) or Lionel Zenner (<<mailto:l.zenner@vet-lyon.fr>>[l.zenner@vet-lyon.fr](mailto:l.zenner@vet-lyon.fr)) as soon as possible and send a CV with list of publications. We will then send in return a completed application form which **must be received by the above mentioned resource persons by March 28 2008.**