The Institut Pasteur of Shanghai invites application for Postdoctoral fellows

The newly created Filamentous Fungus (F2) team (Prof Jean-Paul Latge) at the Institut Pasteur of Shanghai is focused on the pathobiology of Aspergillus and other filamentous fungi. Human fungal infections currently represent 15% of the total of hospital-acquired infections. Although fungal infections are the least publicized agents of human diseases, they are to date often responsible for a higher mortality than bacterial infections.

The F2 laboratory is searching for 3 post doctoral Research Associate positions for 3 years starting October 2012.

This person will work in a group composed of molecular biologists, protein chemists and should be ready to be involved in international collaborations with other laboratories worldwide. The F2 research unit will have especially an active collaboration with the Aspergillus unit of the Institut Pasteur in Paris which is also headed by Prof. Jean-Paul Latgé.

Description of the function:

Post Doct 1- The post-project is focused on the identification of genes specifically expressed and controlling the response of Aspergillus fumigatus to stress (in vitro and in vivo) using RNA seq technologies, deletion of the genes of interest and phenotypic response of the mutants in vivo and in vitro.

Requirements: We are looking for candidates with a PhD and extensive experience in molecular biology (and genomics) of filamentous fungi (Aspergillus). Experience in Microbiology or biochemistry or immunology will also be especially appreciated. A post doctoral position abroad will be welcome for this position.

Post Doct 2- The post is focused on the analysis of Aspergillus cell wall permeability to drugs and toxic metabolites. The respective role of mutations in the drug target, activation of efflux pumps and epigenetic events in the resistance to drugs will be analysed using a systems biology approach.

Requirements: We are looking for candidates with a PhD and extensive experience in molecular biology (and genomics) of Saccharomyces cerevisiae that is also willing to work with filamentous fungi. Experience in biochemistry will also be especially appreciated. A post doctoral position abroad will be welcome for this position.

Post Doct 3- The impact of fungal secreted molecules produced in complex microbial community on the immune response of the host will be analysed as well as the role of toxic host response molecules on fungal quiescence/persistence in vivo.

Requirements: We are looking for candidates with a PhD and extensive experience in microbial immunology. Experience in filamentous fungi (Aspergillus) and biochemistry will be especially appreciated. A post doctoral position abroad will be welcome for this position.

Duration: 3 years (renewable), available starting October, 2012.

Salary: Salary scale negotiable, depending on age and experience

Location: Institut Pasteur of Shangai (China)

Information: For additional information please contact JP Latge jean-paul.latge@pasteur.fr

Interested? Please send your application including curriculum vitae and contact details of three potential references to Prof. JP Latge jean-paul.latge@pasteur.fr