A post-doctoral position is available in the *Aspergillus* Unit, Pasteur Institute-Paris for 18-months to work on the ‘Soluble mediators of the immune system against *Aspergillus fumigatus*’. Aspergillosis is a fatal systemic infection caused mainly by the opportunistic airborne human fungal pathogen *A. fumigatus*. One of the reasons for the increased rate of Aspergillosis is the poor understanding of this fungal pathobiology. The route of the fungal spores (also called conidia) into human system is through the lungs wherein they encounter epithelial barrier as well as innate immune cells. The mechanisms by which innate immune cells eliminate conidia are quite well documented. Soluble mediators, another component of the host innate immune system, are also reported to play a role in combating against *A. fumigatus* invasion; however, their defence mechanism is poorly understood, which the main goal of our project is.

On the other hand, fungal cell wall is composed of different polysaccharides; in *A. fumigatus*, they are β-1,3-glucan, chitin, α-1,3-glucan, galactomannan and galactosaminogalactan. However, the fate of these polysaccharides once taken-up by the phagosomes is still not known. How these fungal cell wall polysaccharides are taken-up by the phagocytes (identifying pattern recognition receptors (PRRs) on the phagocytes), by which mechanism(s) they are degraded and how they are presented in eliciting further adaptive immune response constitute another part of this project.

The candidate must have a Ph.D. in a relative subject and experience from mycology, biochemistry immunology. Particularly, an experience in the glycobiology is required. Good communication skills and fluency in English is essential. Position is available at the latest by 1st of September 2015.

Further, questions can be addressed to Prof. Jean-Paul latgé ([jplatge@pasteur.fr](mailto:jplatge@pasteur.fr))/Dr. Vishukumar Aimanienda ([vkumar@pasteur.fr](mailto:vkumar@pasteur.fr)). Please submit CV, letter of introduction and contact information for references to Dr. Vishukumar Aimanienda/Prof. Jean-Paul latgé.