

## **Antibody Discovery and Protein Engineering**

**#SWB02ADPE** - Lead an independent project focused on the generation and molecular characterization of neutralizing influenza antibodies with different binding specificities.

Job Title: Postdoctoral Fellow – Science without Borders

Site: Cambridge, UK

Department: Research-Antibody Discovery and Protein Engineering / Infectious Diseases

Duration: 2 years

We are seeking a highly motivated postdoctoral fellow to join the Department of Antibody Discovery and Protein Engineering (ADPE) at MedImmune's Cambridge, UK site. The candidate will benefit from inter-departmental collaboration and support from accomplished scientists with expertise in both antibody engineering and molecular virology at Cambridge and Speke UK, as well as US sites. The successful candidate will lead an independent project focused on the generation and molecular characterization of neutralizing influenza antibodies with different binding specificities. This work will not only support MedImmune's world-renowned quadrivalent influenza vaccine platform, but also provide additional insights into the antigenic evolution of influenza viruses and anti-influenza therapeutics.

### **Major Duties and Responsibilities:**

She/he will use antibody display technologies to generate a panel of antibodies and develop molecular, cellular and protein techniques to characterize the epitopes and mechanisms of antibody neutralization. The candidate will be responsible for designing and conducting his/her research work independently and collaboratively. The candidate will also be expected to communicate and present findings both internally and externally through seminars, conferences and publication in high impact journals.

### **Requirements/Qualifications:**

Nationality: Brazilian citizenship or permanent residency

Education: PhD in Molecular Biology, Virology, or related discipline

Experience: Doctoral and/or Post-Doctoral research

### **Special Skills/Abilities:**

- Demonstrable ability to conduct a high level research project.
- Candidates with prior practical experience in influenza virus and / or protein engineering are strongly encouraged to apply. Experience in protein crystallization and structural analysis is a plus.
- Knowledge of antibody isolation by display technologies is desirable.
- Strong organisational skills and ability to multi-task with creative and critical scientific thinking. The ability to work independently as well as collaboratively is essential.
- Strong verbal and written communication skills.

### **Application Instructions:**

If you are interested, please apply through the Ciência sem Fronteiras website [indicating](#) the number of the position.

