

## **Respiratory, Inflammation and Autoimmune Diseases**

[#SWB15RIA - Lead an independent research project to investigate the impact of immune complexes on platelets and microparticles in the context of autoimmune disease.](#)

Job Title: Postdoctoral Fellow – Science without Borders

Site: Gaithersburg, MD

Department: Research-Respiratory, Inflammation & Autoimmune Diseases

Duration: 2 years

We are seeking a highly motivated postdoctoral fellow with a background in platelet or vascular biology to join the department to lead an independent research project to investigate the impact of immune complexes on platelets and microparticles in the context of autoimmune disease. The research will be conducted in MedImmune's state-of-the-art laboratories and will contribute to the advancement of science and a better understanding of the mechanisms that underlie disease for the development of innovative new medicines. The successful candidate will benefit from daily interaction with highly accomplished scientists and postdocs in a collaborative environment. The position offers a unique opportunity for a talented scientist to work in a dynamic and innovative environment and to develop their career at the interface of basic research and drug discovery.

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

Candidates will conduct experiments to examine functional impact of autoimmune complexes on platelets and microparticles and their influence on endothelium and leukocyte biology. The candidate will independently design and execute experiments, summarize data and prepare publications.

### **Requirements/Qualifications:**

Nationality: Brazilian citizenship or permanent residency

Education: PhD in Immunology, or related discipline

Experience: Doctoral and/or Post-Doctoral research

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

Strong background in cellular biology with experience working with platelets or microparticles. Experience culturing cell lines and primary cells and the development of cell-based in vitro assays, preferably including phagocytosis assays and measures of platelet activation and function. Skills should include multi-color flow cytometry, quantitative rtPCR, western blotting, immunoprecipitation and cell signaling. Experience with confocal microscopy and image stream flow cytometry would be beneficial. Must be motivated and capable of working independently and collaboratively. All applicants must have strong written and verbal communication skills with publication(s) in the fields of immunology or vascular biology. Demonstrated ability to conduct a complex research project and pursue multiple lines of investigation at the same time.

### **Application Instructions:**

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

