

## Respiratory, Inflammation and Autoimmune Diseases

[#SWB13RIA - Lead an independent research project discovering novel mechanisms regarding the contributions of eosinophils to lung pathology in asthma and in particular to acute exacerbations.](#)

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 to join the department to lead an independent research project discovering novel mechanisms regarding the contributions of eosinophils to lung pathology in asthma and in particular to acute exacerbations. The research will be conducted in MedImmune's state-of-the-art laboratories and will help drive innovation in those scientific areas of particular interest to MedImmune in achieving our vision to advance science and medicine to help people live better lives. The successful candidate will benefit from daily interaction with highly accomplished scientists and post doctoral fellows with whom they will collaborate. 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 mainly in vitro experiments with primary human eosinophils. If indicated, in vivo studies in mice will be performed. The focus of the studies is the discovery of novel mechanisms suggesting how eosinophils may contribute to lung pathology in asthma and in particular to acute exacerbations. The candidate will independently design and execute experiments and summarize data as well as prepare publications.

### **Requirements/Qualifications:**

Nationality: Brazilian citizenship or permanent residency

Education: PhD in Biochemistry, Immunology, or related discipline

Experience: Doctoral and/or Post-Doctoral research

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

The successful candidate must have a background in immunology. Experience with purification of cells from human blood and subsequent in vitro culture, in particular human eosinophils, molecular biology techniques, basic biochemistry techniques, ELISA, flow-cytometry and immunohistochemistry are strongly preferred. Must have the ability to understand basic intracellular signal transduction and cell biology. Must be motivated and capable of working independently as well as collaboratively. All applicants must have strong written and verbal communication skills. 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.

