

Respiratory, Inflammation and Autoimmune Diseases

[#SWB10RIA - Lead an independent research project focused on understanding the role of epithelial/lymphocyte cross-talk on tertiary follicle formation involved in the pathogenesis of Sjögren's syndrome.](#)

Job Title: Postdoctoral Fellow – Science without Borders

Site: Gaithersburg, MD

Department: Research-Respiratory, Inflammation and Autoimmune Diseases

Duration: 2 years

We are seeking a highly motivated postdoctoral fellow to join the Research department to lead an independent research project focused on understanding the underlying mechanisms involved in the pathogenesis of Sjögren's disease. The successful candidate chosen will work with a group of individuals interested in inflammatory diseases, especially autoimmunity. 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.

This project will be focused on understanding the role of epithelial/lymphocyte cross-talk on tertiary follicle formation and disease pathogenesis. Ectopic follicles are a critical component in autoimmune disease. Indeed, anywhere chronic inflammation occurs, tertiary follicles form. Once formed, especially in settings of autoimmunity, these specialized structures presumably serve as locations where autoreactive T and B cells, specific for the antigens of the local tissue, become activated and differentiate into effector cells. The processes involved in formation of these ectopic follicles and the role of epithelial/lymphocyte interactions are crucially important to the understanding of autoimmunity. 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 Immunology or related discipline

Experience: Doctoral and/or Post-Doctoral research

Position Requirements:

- Well versed in the field of Immunology and Autoimmunity
- Able to work independently
- Strong hands-on in vivo skills are required
- In vitro cell-based assay understanding, development and execution required
- Background in mouse T cell and B cell immuno-assays
- Background in multi-colorflow cytometry a plus
- Understanding, development and execution of immuno (ELISA) based assays required and ELISPOT a plus
- Experience in immunohistology
- Knowledge/handling of human blood and lymphocytes a plus

Application Instructions:

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

