

Postdoctoral position (starting early 2021)

Immunology/Allergy

Bruhns laboratory

[Unit of Antibodies in Therapy & Pathology](#), INSERM Unit 1222

Department of Immunology

Institut Pasteur

Paris, France

In the frame of the Pharma-funded project, a postdoctoral position is available for studies in the **IgE B cell antibody response in allergy**. Studies will employ a mouse model of *House Dust Mite* hypersensitivity combined with single cell phenotyping and sequencing approaches using droplet microfluidics. The aim is to identify, phenotype and sort antigen-specific IgE-secreting plasma cells and understand their antibody repertoires and affinity maturation processes.

Requirements:

Highly motivated candidates with a proven track record of excellent scientific accomplishments are encouraged to apply. Applicants should hold a PhD or MD/PhD degree in Immunology, Molecular Medicine or similar. Previous hands-on experience in immunological techniques such as cell culture/separation, flow cytometry, basic molecular biology is expected. Experience in conducting and analyzing antibody repertoire or scRNA-seq experiments, in microfluidics or in mouse vivo models is a plus. Good communication skills and fluency in English are essential.

Successful candidates will join an interdisciplinary and collaborative team working with clinical and industrial partners to develop next generation diagnostics and immunotherapeutics. The postdoctoral fellow will be involved in the scientific interactions/meetings with the US-based partner Pharma.

Applications will be considered until the position is filled, but start dates between Feb 1, 2021-April 1, 2021 are expected. The position is available for an initial period of 15-18 months with a possible extension up to 36 months.

Please send your application (including a letter of motivation, curriculum vitae, names + contact information of two referees) as a single PDF file to Dr. Pierre Bruhns (bruhns@pasteur.fr)