



Bordeaux, 23rd January 2023

Position Title

Post-doctoral fellow

Inflammation and Fibrosis group

ImmunoConcept – Origins and pathogenesis of Autoimmune and Inflammatory disorders

<https://immunoconcept.cnrs.fr/axes/inflammation-and-fibrosis/>

Location of Work

CNRS UMR 5164 – Université de Bordeaux
Site de Carreire, Zone Nord, Bâtiment 1B
146, rue Léo Saignat
33076 Bordeaux Cedex
France

Qualifications

Highly motivated candidates with a Ph.D. degree in immunology. Must possess good verbal and written communication skills in English. Candidate with training and expertise in one of the following technical skills: multiparametric cytometry, histology, *in vivo* mouse models of inflammation, scRNAseq data-analysis.

How to apply

Candidates should send a letter containing a statement of interest, curriculum vitae, and names of one or two mentors for reference to mtruchetet@immunoconcept.org

The selection process will include an oral presentation and interview.

Description of lab/research

A post-doctoral fellow position of 2 years (funded the Rheumatology I² program of Gilead) is available in our lab to work on innate immune system involvement in lung fibrosis linked to connective tissue disease.

The applicant will investigate the role of macrophages and innate lymphoid cells in interstitial lung disease of connective tissue disease by using different approaches including human samples, mouse models and high dimensional technologies (scRNAseq, spatial histology and transcriptomic). A special focus will be made on the JAK/STAT signaling pathway.

Bordeaux University offers a rich scientific environment: excellent training for researchers, multi-disciplinary approaches and state-of-the-art facilities.

Relevant publications from the lab include:

Laurent P, Lapoirie J, Leleu D, Levionnois E, Grenier C, Jurado-Mestre B, Lazaro E, Duffau P, Richez C, Seneschal J, Pellegrin JL, Constans J, Schaevebeke T, Douchet I, Duluc D, Pradeu T, Chizzolini C, Blanco P, Truchetet ME, Contin-Bordes C. *Interleukin-1 β -Activated Microvascular Endothelial Cells Promote DC-SIGN-Positive Alternatively Activated Macrophages as a Mechanism of Skin Fibrosis in Systemic Sclerosis*. **Arthritis Rheumatol**. 2022 Jun;74(6):1013-1026.

Laurent P, Allard B, Manicki P, Jolivel V, Levionnois E, Jeljeli M, Henrot P, Izotte J, Leleu D, Groppi A, Seneschal J, Constans J, Chizzolini C, Richez C, Duffau P, Lazaro E, Forcade E, Schaevebeke T, Pradeu T, Batteux F, Blanco P, Contin-Bordes C, Truchetet ME. *TGF β promotes low IL10-producing ILC2 with profibrotic ability involved in skin fibrosis in systemic sclerosis*. **Ann Rheum Dis**. 2021 Dec;80(12):1594-1603.

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