

OPEN POSITION

INTRINSIC AND EXTRINSIC METABOLIC CONTROL OF TYPE 3 IMMUNITY DURING CHRONIC INFLAMMATION**DESCRIPTION**

Metabolic control of immunity is an emerging field of research, and recent data, including ours (Koufany et al 2013, and unpublished data), indicate that adequate immune response is governed by both intrinsic and extrinsic metabolic factors.

The pathophysiological role of adipose tissue has long been suspected in chronic inflammatory diseases, particularly through the activity of its secreted mediators (adipokines). However, novel insights support that lipid metabolism could directly impact the immune response through its intrinsic regulation, notably by the nuclear receptor PPAR ("Peroxisome Proliferator Activated Receptor") γ which is a master regulatory gene of adipogenesis.

The aims of the current proposal are (i) to evaluate the consequence of the deficiency or blockade of the intrinsic lipid metabolic sensor PPAR γ on type 3 immunity (particularly in murine models of inflammatory bowel diseases [IBD] or chronic rheumatic diseases [CRD]), (ii) to decipher the contribution of extrinsic metabolic signals (namely adipokines) on type 3 immunity in these experimental conditions, and finally (iii) to assess the pathophysiological relevance of such metabolic control on immune cells from patients with IBD and/or CRD.

Partners involved: UMR 7365 CNRS-UL IMoPA, collaboration with team "Micro-environnement et Immunité" (Inserm U 1224, Institut Pasteur-Paris)

TERMS AND TENURE

The postdoctoral scientist will work in the Inflammation group of Team 4 of **IMoPA Lab** (see <http://www.imopa.cnrs.fr/spip.php?article170> for publications) and in close collaboration with the team of Pr Gérard EBERL (<https://research.pasteur.fr/en/team/microenvironnement-and-immunity/>) at **Institut Pasteur**.

The position is vacant from **April** 2019 on a full-time basis and is integrated in an ambitious PIA-funded project.

Duration of the contract: 22 months.

HOW TO APPLY

Applicants are requested to submit the following materials:

- A cover letter applying for the position
- Full CV and list of publications
- Academic transcripts (unofficial versions are fine)

Deadline for application is **2019 March 1th**. Applicants will be interviewed by an Ad Hoc Commission.

Applications are only accepted through email. All documents must be sent to David.moulin@univ-lorraine.fr and Jean-Yves.jouzeau@univ-lorraine.fr

JOB LOCATION

Main : Nancy, Lorraine, France

Secondary : Institut Pasteur, Paris, France (see partners).



UNIVERSITÉ
DE LORRAINE

POSTDOCTORAL FELLOWSHIP

OPEN POSITION



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REQUIREMENTS

DOCUMENTS

- Curriculum Vitae - Your most recently updated C.V. including list of publications
- Cover Letter
- Statement of Research