



UNIVERSITÉ  
TOULOUSE III  
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Institute website: <https://www.infinity.inserm.fr/en/>  
Team: Integrated T cell Immunobiology  
Team website: <https://www.tcellbiology.fr/accueil.html>  
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## Postdoctoral position in Immunology in Toulouse, France

**Research team.** Our team is part of Infinity, an internationally renowned academic research institute in immunology and infectious diseases bringing together 14 research teams. We are located in the research campus and hospital of Purpan in Toulouse, France. In the team, entitled “Integrative immunology of T lymphocytes”, we study the biology and mechanisms of activation of T lymphocytes in homeostasis and in autoimmune diseases and cancers. The objective is to improve our knowledge of the functioning of the immune system, the pathophysiology of these diseases and to propose new treatments.

**Job offer.** We are looking for a highly motivated candidate to investigate the role of Foxp3 regulatory T cells in the pathophysiology of autoimmune diseases and cancers. For this purpose, we generated conditional knockout mice for molecules of the TNF and TNF receptor family and preclinical mouse models of autoimmune diseases and cancers. This project, funded by an ANR grant, should provide a better understanding of the pathophysiology of these diseases and could lead to the proposal of new treatments. The postdoctoral fellow will be employed by Inserm for a period of 2 or 3 years. The remuneration will be established according to his/her diplomas and professional experience.

**Candidate profile.** The candidate must have a PhD in Life Sciences with a solid knowledge in Immunology. Solid experience in animal experimentation is mandatory. Experience in flow cytometry and bioinformatics analyses would be highly appreciated. Strong writing and oral communication skills will be required. The candidate must have demonstrated innovation, initiative, problem-solving attitude and an ability to work well independently and as part of a team.

**Contact.** CV, list of publications, short description of previous research projects and experience, and contact information of at least 2 referees should be sent by email to: [<benoit.salomon@inserm.fr>](mailto:benoit.salomon@inserm.fr).

### Recent publications related to the project.

- Ronin E, Pouchy C...and **Salomon BL**. Tissue-restricted control of established central nervous system autoimmunity by TNF receptor 2 expressing Treg cells. **Proc Natl Acad Sci USA**. 2021. 118: e2014043118. doi: 10.1073/pnas.2014043118. PMID: 33766913.
- **Salomon BL**. Insights into the biology and therapeutic implications of TNF and regulatory T cells. **Nat Rev Rheumatol**. 2021. 17:487-504. PMID: 34226727.
- Lubrano di Ricco M, Ronin E ... and **Salomon BL**. Tumor necrosis factor receptor family costimulation increases regulatory T-cell activation and function via NF- $\kappa$ B. **Eur J Immunol**. 2020. 50:972-985. doi: 10.1002/eji.201948393. PMID: 32012260.
- Vallion R, Divoux J ... and **Salomon BL**. Regulatory T cell stability and migration are dependent on mTOR. **J Immunol**. 2020. 205:1799-1809. doi: 10.4049/jimmunol.1901480. PMID 32839235.
- Zaragoza B, Chen X ... and **Salomon BL**. Suppressive activity of human Treg cells is maintained in the presence of TNF. **Nat Med** 2016. 22:16-17. doi: 10.1038/nm.4019. PMID 26735402.