

## Post-doctoral position available

Our lab, from the immunology and virology department of the CRCL, localized in Lyon, France, is looking for motivated post-doctoral candidates to **study the effects of Transforming Growth Factor  $\beta$  on the regulation of T cell response.**

The candidates should have strong expertise in the following fields:

- **Immunology of the thymus**
- **Flow cytometry**
- **Mouse handling**

The selected candidates will join a dynamic team with Helmholtz Association label.

Salary will be covered by the lab and will depend on the expertise of the candidate.

The lab language is English

**Interested candidates should send their CV and 2-3 referee addresses to**

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**Selected publications from the lab on the field**

[Inflammatory Monocytes Activate Memory CD8\(+\) T and Innate NK Lymphocytes Independent of Cognate Antigen during Microbial Pathogen Invasion.](#) Soudja SM, Ruiz AL, Marie JC, Lauvau G. *Immunity*. 2012 Aug 28.

[Development and function of murine ROR \$\gamma\$ t+ iNKT cells are under TGF- \$\beta\$  control.](#) Havenar-Daughton C, Li S, Benlagha K, Marie JC. *Blood*. 2012 Feb 27.

[iNKT cell development is orchestrated by different branches of TGF-beta signaling.](#) Doisne JM, Bartholin L, Yan KP, Garcia CN, Duarte N, Le Luduec JB, Vincent D, Cyprian F, Horvat B, Martel S, Rimokh R, Losson R, Benlagha K, Marie JC. *J Exp Med*. 2009 Jun 8;206(6):1365-78. Epub 2009 May 18.

[TGF- \$\beta\$ 1 limits plaque growth, stabilizes plaque structure, and prevents aortic dilation in apolipoprotein E-null mice.](#) Frutkin AD, Otsuka G, Stempien-Otero A, Sesti C, Du L, Jaffe M, Dichek HL, Pennington CJ, Edwards DR, Nieves-Cintrón M, Minter D, Preusch M, Hu JH, Marie JC, Dichek DA. *Arterioscler Thromb Vasc Biol*. 2009 Sep;29(9):1251-7. Epub 2009 Mar 26.

[Generation of mice with conditionally activated transforming growth factor beta signaling through the TbetaRI/ALK5 receptor.](#) Bartholin L, Cyprian FS, Vincent D, Garcia CN, Martel S, Horvat B, Berthet C, Goddard-Léon S, Treilleux I, Rimokh R, Marie JC. *Genesis*. 2008 Dec;46(12):724-31.

[Cellular mechanisms of fatal early-onset autoimmunity in mice with the T cell-specific targeting of transforming growth factor-beta receptor.](#) Marie JC, Liggitt D, Rudensky AY. *Immunity*. 2006 Sep;25(3):441-54.

[TGF-beta1 maintains suppressor function and Foxp3 expression in CD4+CD25+ regulatory T cells.](#) Marie JC, Letterio JJ, Gavin M, Rudensky AY. *J Exp Med*. 2005 Apr 4;201(7):1061-7.