



## Postdoctoral Research Fellow position in B cell immunology.

### Position

The group of Matthieu Mahévas and Pascal Chappert at Institut Necker Enfants Malades, Inserm U1151 in Paris, France, is looking for a full-time Postdoctoral Research Fellow to take on an exciting project aimed at understanding the origin and evolution of the anti-type I IFN B cell response in humans. The lab has recently developed original approaches for in depth cellular and molecular characterization of the memory B cells compartment combining single-cell in vitro culture, single-cell transcriptomics and repertoire analysis (Sokal Cell 2021, Sokal Immunity 2021, Sokal Immunity 2022, Chappert Immunity 2022) and have applied them to the study of anti-type-I IFN B cell responses. As a partner of the COVIFERON RHU and of the UNDINE H202 consortium, this project builds on different cohorts of individuals with genetic or acquired anti-type-I IFN auto-immunity to document the repertoire, maturation and long-term stability following an infectious event of the underlying auto-reactive B cell response. The successful applicant will also have the opportunity to collaborate on other ongoing projects in the lab aiming at investigating the underlying mechanisms, cellular populations involved and fundamental steps leading to tolerance breakdown in B cells in a pathological context in Human or, at the opposite side of the spectrum, the establishment of long-lasting immune memory in infectious or vaccinal settings.

### Qualifications

The lab is looking for a highly motivated, self-driven, independent and creative candidates with clear interest in cellular and molecular immunology and a willingness to learn. Strong organizational skills and experience with cell culture assays in immunology and multiparametric flow cytometry will be evaluated. Additionally experience with any of these following techniques is a big plus, but not required: mAbs engineering, single-cell RNAseq and TCR/BCR repertoire analysis. The successful candidate will be highly collaborative and expected to thrive as a project leader in an environment with graduate students, engineer etc. Excellent oral and written communication skills (in English) for presenting/discussing research, as well as preparing manuscripts for publication are also required. For additional questions after application, please email bellow.

### Description

The position will be opened as of September 1<sup>st</sup> 2023, with some flexibility. The initial contract would be of 12 to 18 months, with possible extensions until the project is fully completed. Interested applicants are invited to submit a cover letter that includes a brief description of their research background and future interests, their CV, and contact information for three references to Pr. Mahévas, MD PhD or Pascal Chappert, Email: [matthieu.mahevas@inserm.fr](mailto:matthieu.mahevas@inserm.fr); [pascal.chappert@inserm.fr](mailto:pascal.chappert@inserm.fr).