



Post Doc position in computational antibody repertoire analysis

Sanofi is looking for an enthusiastic scientist for a post-doctoral fellow position in the *Enabling Technologies* team of the Sanofi *Biologics Research* platform dedicated to the discovery and screening of therapeutic antibodies. Based in the Paris area, the candidate will be part of a program of antigen-specific antibody repertoire identification using Next Generation Sequencing, at the cross-roads between antibody discovery, computer science and applied mathematics.

This postdoc project proposes to use state of the art B cell repertoire analysis and sequencing technologies to develop a novel computational method enabling *in silico* antibody repertoire screening. This position will benefit from cross-functional interaction with other members of the Biologics Research department already implementing innovative approaches in the field of sequence analysis, antibody discovery and engineering.

EDUCATION/TRAINING/ EXPERIENCE

Appointment as a postdoc requires academic qualifications at PhD level.

REQUIRED SKILLS

- Mathematical skills and expertise in statistics and probability applied to biology
- Experience in Machine Learning
- Experience in Illumina Sequencing platform
- Expertise in NGS Ig sequencing work flow is a plus

CORE COMPETENCIES

- Personal and creative skills oriented towards drug discovery
- Excellent analytical and problem solving skills
- Highly organised
- Capacity to work with a multidisciplinary team is key
- Good verbal and written communication in English. French fluency is not a necessity

CONTACT

Curriculum vitae and cover letter to be sent to emmanuelle.vigne@sanofi.com