



### Position

**PhD candidates or postdocs for development of advanced algorithms for mining of immune receptor repertoire high throughput sequencing data (Ramat Gan, Israel)**

### Location

**Yaari lab for computational systems immunology, Bio-Engineering Department, Bar-Ilan University ([www.yaarilab.com](http://www.yaarilab.com))**

### Job description

The Yaari lab for computational systems immunology is seeking to recruit 2 computer scientists with an interest in high-throughput immunology data mining.

The positions are supported by the H2020 research grant iReceptor Plus, aimed at facilitating sharing of genomic and health Data, with a focus on Adaptive Immune Receptor Repertoire sequencing (AIRR-seq) data ([www.ireceptorplus.com](http://www.ireceptorplus.com)).

The computer scientists will be responsible for development, adaptation, optimization and implementation of algorithms that will facilitate different kinds of searches in the immune sequence space. Implementation of artificial intelligence, natural language processing (NLP), and deep learning approaches for AIRR-seq data analysis. Comparison and benchmarking of AIRR-seq data from healthy individuals and different clinical conditions.

### Candidate profile

- MSc or PhD in bioinformatics/statistics/mathematics/computer science.
- Experience with R tools and coding languages (Python, C++).
- Experience in high throughput data analysis, management and integration.

### Job Opening and Salary

Positions are currently for 3 to 4 years. Salary will be commensurate with experience.

### Application

Application shall include a motivation letter, CV and references.

Please send application in English by email to [gur.yaari@biu.ac.il](mailto:gur.yaari@biu.ac.il)

Please apply only if you fulfil the abovementioned skills. This job offer will be closed as soon as the position is filled.



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