# Introduction

## SLE

* X peoples suffers from SLE
* No cure
* Previous study have highlighted the differences in B cells subsets
* Autoreactive ab might have different properties
* Disease is driven by B cells dysfunction

## Antibody map

## Immncatation

* Data analysis pipeline developed in python and R to analyse B cells repertoire
* Clonal analysis
* Physico chemical properties

## Goals of the analysis

* Compare physico chemical properties by isotype HC vs SLE
* Clustering of IG

# Conclusion

# References

* Immcantation
* NGS
* SLE