

Week one 31/01/2022

This week's objective : Introduction of the context

Readings :

1- « Les lymphocytes B : diversité et ontogenèse » You can find the file here :

https://github.com/NikaAb/BCR_intraclonal_diversity/blob/master/doc/Ref_papers/Immunologie_Fondamentale_cellule_B.pdf

2- « The analysis of clonal expansions in normal and autoimmune B cell repertoires » You can find the file here :

https://github.com/NikaAb/BCR_intraclonal_diversity/blob/master/doc/Ref_papers/B_clone.pdf

Objectives / Study Questions :

- *Review some basic concepts in protein structure. What do you mean by primary, secondary, tertiary, and quaternary structure?*
- *Outline the domain structure of an IgG antibody.*
- *What is BCR?*
- *Describe the pre-B receptor and outline its functional roles during B cell development.*
- *What is receptor editing? At what stage of development is clonal deletion of B cells presumed to occur?*
- *What is B cell repertoire?*
- *What is a clone in B cell repertoire context?*
- *Why studying the B cell repertoire is important?*
- *Why studying the B cell repertoire diversity is important?*

Write a reflection note answering these questions.

Good luck (๑ ͡° ͜ʖ ͡°)