

## Part II Immunology



## \*Introduction

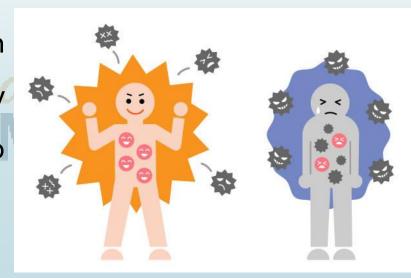


- **Immunology:** is the science that studies the characteristics and the mechanism of the immune system.
- Immune response: is an immune reaction done by the immune system.

- **Immune system:** is a group of cells, organs and molecules that protect the body against foreign antigens.
- → **Self-Antigens:** Components of the body.

ex: HLA, organs, tissues cells.

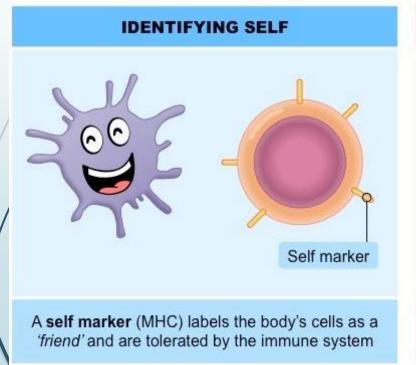
→Non-self-antigens: They are foreign molecules that invade our body. They cause an immune response to eliminate them.

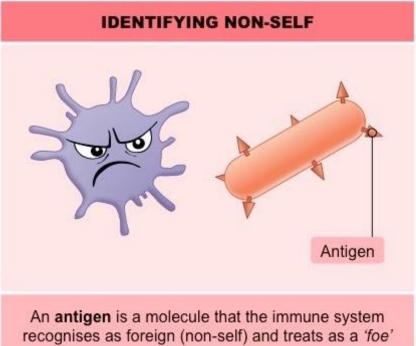


- Role of the immune system: is to differentiate between self



to tolerate it, and non-self to attack it.







• The main job of the immune system is to recognize self from non-self and attack and destroy non-self

