

## What is gene expression

The process the cell use to convert instruction in DNA into a functional product (protein)

↳ DNA store info of cells need to function

↳ organize into small section called genes

↳ contain instruction to make protein

↳ protein carry a lot of function of the cells

↳ why it is importance? → again disease, function in the nutrition

↳ the conversion of gene into the functional product called gene expression

Gen expression have 2 steps

+ Transcription: DNA → mRNA

↳ take place inside nucleus

+ DNA: hold instruction to transcript into protein

+ Translation: mRNA → amino acid (a block of protein)

## What is SNP?

↳ Single nucleotide polymorphism ⇒ genomic variant at a single based position in the DNA

↳ ppl study the relation of SNP with disease

Bonferroni - correction: adjust p-value method

$$\text{↳ } p = \frac{\alpha}{n}$$



