

Anabolic - Catabolic Activity (Interactions)

The following is provided for discussion purposes to explain how DNA repair activities interact to maintain cellular health.

The following should be understood in advance of verbal explanations.

<http://www.mcfip.net/upload/Jargon%20Problem%20in%20Health%20and%20Science.pdf>

This second document is provided to introduce the fact that elements are the foundation of cellular signaling. It will be part of explanations for DNA repair.

<http://www.mcfip.net/upload/Cell%20Surface%20Signaling%20Molecule%20Formation%207-2017.pdf>

Designations

Anabolic Activity

NUP98 - FOXA9 - cGAS

Amino Acids for Discussion

Example 1

Glutamic Acid

Proline

Glycine

Example 2

Leucine

Isoleucine

Valine

Example 3

Phenylalanine

Tyrosine

Tryptophan

Catabolic Activity

PCSK9 and PAH1 - 3

Example 5

Histidine

Arginine

Lysine

Example 6

Glutamine

Alanine

Aspartic Acid

Example 7

Leucine

Isoleucine

Valine

For reference purposes during discussions, the anabolic and catabolic activities described in the following will be linked to the examples of amino acids provided above:

Anabolic Activities

1. Thiamine (the 3 forms)
2. Glutaminase (the 3 forms)
3. Abl1 - Abl2 - BCR-Abl

Catabolic Activities

5. Lipids
6. Proteins
- 7, Carbohydrates