

DNA Repair Disruption: Causal Path for Chronic Diseases

The following provides an explicit explanation that can be understood (verified) by anyone with knowledge in biology.

- The DNA repair (aka binding-domain protein family) is iron - sulfur based with a three “families” of three epigenetic signaling molecules.
- The primary “household” names for these epigenetic signaling molecules can be established as the three forms of vitamins B1 - B2 and B3; known respectively as thiamine (B1), riboflavin (B2) and niacin (B3). The fact that a vitamin is a misnomer can be verified using the following as an introduction.
http://academic.brooklyn.cuny.edu/biology/bio4fv/page/coenzy_m
Simply, at the molecular level, vitamins are coenzymes and enzymes that are critical to maintain DNA repair to prevent mutation of genes.
- Using various designations for these epigenetic signaling molecules, they can be verified as primary causes of many cancers; e.g. the three forms of B3 are Abl1 - Abl2 and BCR-Abl or cAbl - vAbl - BCR-Abl.
- The following is provided for discussion purposes to explain copy error mutations; one of the mechanisms that, if disrupted, can result in up to a 2/3 increase in chronic diseases.
[http://www.mcfip.net/upload/DNA%20Repair%20-%20Anabolic%20Binding%20\(Seminal\).pdf](http://www.mcfip.net/upload/DNA%20Repair%20-%20Anabolic%20Binding%20(Seminal).pdf)

Using iron- sulfur clusters as proof that elements are critical to DNA and gene health the MCFIP website provides irrefutable proof that cytokines have elements as their only constituents or elements in conjunction with gasotransmitters.

Refer to the following for discussion purposes:

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

Summary

Given the fact that cytokines can be disrupted by levels of elements; one's diet, drinking water and environmental exposure to airborne nanoparticles can result in DNA and gene abnormalities.

Nearly all that is known about health changes due to the role of elements in DNA and gene activities. Accordingly; diagnostic testing, nutrition planning, personalized (precision) medicine, etc. must be changed and our TBD partners how the opportunity to capitalize on needs that must emerge.