

Following the sale of his company to Johnson and Johnson, William (Bill) McFaul formed several firms. In 2005, one entity inadvertently made a discovery relative to cellular physiology. Following more than 120,000 hours dedicated to quantum mechanics and particle physics, the following facets of epigenetic modeling were formulated for independent review and verification.

Examples of Our Epigenetic Modeling

- Cytokines are configured with all elements or ones with elements and a gasotransmitter. When subjected to catabolic activity, ones with a gasotransmitter provide an answer for the mystery of how small molecule cell surface signaling molecules are formed.
<http://www.mcfip.net/upload/Cell%20Surface%20Signaling%20Molecule%20Formation%207-2017.pdf>

- The process of transporting epigenetic signaling molecules from the surface of the cell into the cytoplasm had to be elucidated in a format that could be verified to resolve that mystery and explain how disruptions could cause chronic diseases. Refer to the following:

When applied to our modeling for endocytosis, coupled with the use of elements that are the foundation of cell surface signaling molecules, the new technologies outlined below will establish a new era of cell research to prevent/treat/cure nearly all chronic diseases.

Refer to the following for formation of cell surface signaling and transfer into the cytoplasm by endocytosis.

Endocytosis

<http://www.mcfip.net/upload/Endocytosis%20Modeling%204-30-17.pdf>

New Technologies:

<https://phys.org/news/2018-06-explores-cell-mechanics.html#jCp>

<https://phys.org/news/2018-06-track-protein-nanosensors-intracellular-deliveries.html#jCp>

<https://phys.org/news/2018-06-scientists-isolate-protein-tiniest-cachessingle.html#jCp>

- Identifying the fact the cytokines (e.g. Interleukins and Interferons) can have the same elements with difference neurotransmitters that can result in chirality has solved other mystery in cellular physiology.

Explaining Chirality

<http://www.mcfip.net/upload/Chirality%20Explained.pdf>

Applying Chirality to TNF and Other Epigenetic Signaling

<http://www.mcfip.net/upload/Cell%20Activities%20-%20TNF%20Designations.pdf>

Summary

Using obesity as an example, bioinformatic search will provide numerous studies that link TNF α and others that link calnexin to obesity.

The forms of TNF and Calnexin - Calmodulin - Calcineurin can be verified as having the same constituents; i.e. elements and amino acids.

Summary

The website www.MCFIP.net has been designed in a tutorial format to highlight key issues for discussion with individuals that have an interest in epigenetics or its application to DNA Repair, cellular health or gene formation. Coupled with the findings outlined in this document, nearly all that is currently known about cellular physiology will change to

allow for the primary causes of chronic diseases to be understood in order to be prevented or more cost effectively treated.

Note: The Holy Grail for pharmaceutical development has been the quest for small molecule drugs. The answers are found in the cell surface activities discovered by MCFIP and available for discussion with a TBD pharmaceutical manufacturing partner.