

**Subject:** Fwd: Epigenetics!

**From:** Mark Cao <mark.cao@gmail.com>

**Date:** 2/13/2023, 8:17 PM

**To:** Cuoi Cao <ccao\_97@yahoo.com>

Below my explanation for why chronic diseases have been increasing at an epidemic rate, and why remedies that improve epigenetics (gene expression) are the best approach.

----- Forwarded message -----

From: **Mark Cao** <[mark.cao@gmail.com](mailto:mark.cao@gmail.com)>

Date: Mon, Feb 6, 2023 at 9:55 PM

Subject: Epigenetics!

To: HVC BUS <[hvc\\_bus@yahoo.com](mailto:hvc_bus@yahoo.com)>, Thanh Xuan Huynh <[Thanhxhuynh2003@yahoo.com](mailto:Thanhxhuynh2003@yahoo.com)>

Cc: Hanh Yu <[hanhcaoyu@gmail.com](mailto:hanhcaoyu@gmail.com)>

This video describes the new science of epigenetics.

[https://youtu.be/\\_aAhcNjmvhc](https://youtu.be/_aAhcNjmvhc)

Epigenetics is basically gene expression. It's usually perfect at birth, but gradually degrades with each year of aging. Most of the epidemic chronic diseases (Alzheimers, cancer, obesity, diabetes, autism, and various mental illnesses) are believed by some scientists to be based in the same epigenetic degradation, caused by artificial (unnatural) environmental influences.

Removing unnatural environmental triggers and reintroducing a natural diet and strong natural forces, like sunlight (in a moderate amount), can sometimes restore epigenetics.

Building up the body is called anabolism (this happens in the time after eating), and repairing the body is called catabolism (this fasting period starts several hours after the most recent meal). Throughout most of human history (one million years), we dedicated most of our bodily energy to the repairing mode. But especially in the last 50 years, a large portion of the human population have spent very little time in the repair mode. That fact has caused an epidemic of chronic diseases.

And this is why various medical modalities seem to reverse aging. They simply restore natural mechanisms of repair that are similar to fasting. These medical interventions include

- \* sunlight
- \* near-infrared light therapy
- \* fasting
- \* low carbohydrate diet
- \* vegetable diet (which is a moderate carbohydrate diet)
- \* certain medications, like metformin, that simulate fasting states
- \* certain supplements, like resveratrol, that accelerate epigenetic repair

Huy