

VITAMINS

# 1, 2, 3

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A new review [Allergy (2009) vol. 64 (3) pp. 348-353] examines the evidence that

(1) failure to up-regulate the interferon gamma (IFN $\gamma$ ) response during infancy is an important determinant of the risk of allergic disease

(2) expression of the IFN $\gamma$  gene in naive T-cells is regulated by epigenetic mechanisms, and

(3) failure to up-regulate IFN $\gamma$  gene expression of naive T-cells associated with low early life microbial exposure.

If we replace “microbial exposure” with “vitamin D supplementation” this sounds like a reasonable model according to [more](#) papers that [argue](#)

studies combining early life epidemiological data with an investigation of the kinetics of IFN $\gamma$  demethylation in naive T-cells, whilst logistically and scientifically challenging, are a promising line of future inquiry. Equally challenging, are a promising line of future inquiry.

yea, yea.