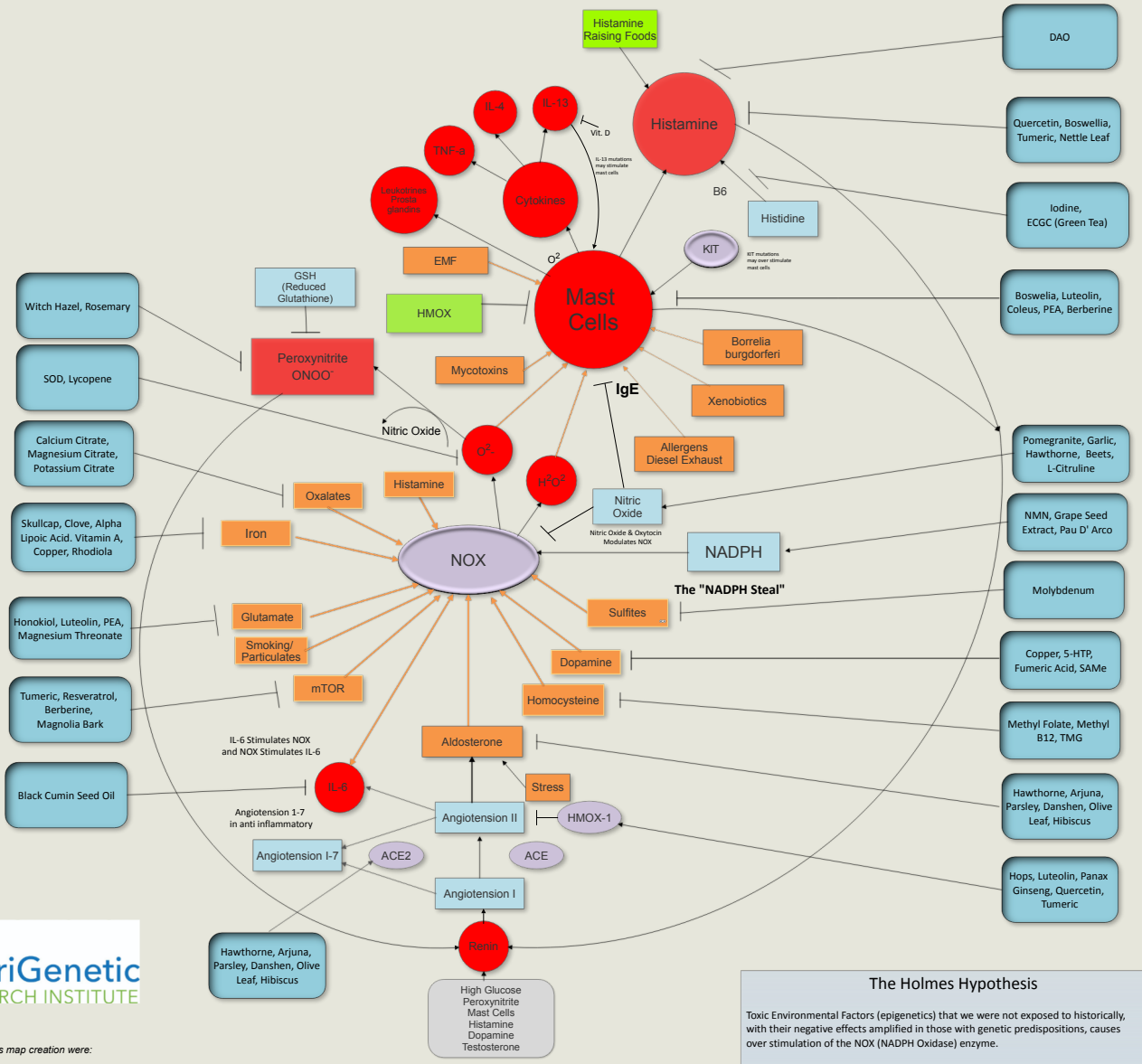
Nutrients to Compensate for NADPH Steal & Holmes Cycle



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The Holmes Hypothesis

Toxic Environmental Factors (epigenetics) that we were not exposed to historically, with their negative effects amplified in those with genetic predispositions, causes over stimulation of the NOX (NADPH Oxidase) enzyme.

This results in over production of Superoxide, Peroxynitrite, Mast Cells, Histamine and Glutamate.

The NOX Enzyme uses NADPH to produce the free radicals, resulting in what we have named the "NADPH Steal", resulting in less ability to have sufficient NADPH to support Phase 1 Detox, produce Nitric Oxide and recycle critical antioxidants such as Glutathione.

In turn, these free radicals produced by NOX stimulate Renin, Angiotensin I, Angiotensin II, Aldosterone, IL-6 and NOX, thus resulting in a positive feedback loop that creates a self-perpetuating vicious cycle of inflammation named the "Holmes Cycle."