

### Figure2. Endothelial nitric oxide synthesis and inhibition. (→) Ideal conditions allow NO synthesis leading to vasodilation, while (→) flawed conditions cause inhibition of NO synthesis and inactivation preventing dilatation.

### NO: nitric oxide; O2−: superoxide anion; ONOO−: peroxynitrite; GC: guanylyl cyclase; GTP: guanosine triphosphate; cGMP: cyclic guanosine-3’, 5-monophosphate; CIT: Citruline; FAD: flavin adenine dinucleotide; NADPH: [Nicotinamide adenine dinucleotide phosphate](https://en.wikipedia.org/wiki/Nicotinamide_adenine_dinucleotide_phosphate) ; FMN: Flavin mononucleotide; BH4: [Tetrahydrobiopterin](https://selfhacked.com/blog/tetrahydrobiopterin-bh4-role-body-buy/); NOS3: endothelial nitric oxide synthase; ADMA: asymmetric dimethylarginine.