Stimulation of vagus nerve

Alpha7nAChR agonists

Increased formation of lipoxins, resolvins, protectins and maresins

Release of acetylcholine

Release of PUFAs

↓ TNF-α, IL-6, MIF

↑ eNO

↑ Insulin release

↑ Cholecystokinin

↑ Incretins

Steroids, anti-TNF-α drugs, IL-6 receptor antagonists, azathioprine, cyclophosphamide, cyclosporine, Leflunomide, etc.

↓ Catecholamines

↑ Parasympathetic tone

PUFAs, lipoxins, resolvins, protectins and maresins

↓ Systemic inflammation

↓ Insulin resistance

↓ RA, Lupus, IBD and other autoimmune/inflammatory diseases