

Dorin Group

Host Defence peptides: roles in immune modulation & potential as therapeutics

Host Defence Peptides

potent natural antimicrobials against:

- *Bacteria*
- *Viruses*
- *Fungi*
- *Including multi-drug resistant types*

AND modify immune responses:

- *Increase response to pathogen nucleic acids to increase type 1 interferon signature & bridge to adaptive immunity.*
- *Decrease response to LPS via TLR4*
- *Increases alternative activation of macrophages*
- ***Defensins*** are ***hyper copy number variable (CNV) in humans***
- *Increased CNV associated with psoriasis*
- *reduced CNV associated with increased adiposity*

