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Title: IMMUNOSTIMULATORY COMBINATIONS OF TNFRSF, TLR, NLR, RHR, PURINERGIC RECEPTOR, AND CYTOKINE RECEPTOR AGONISTS FOR VACCINES AND TUMOR IMMUNOTHERAPY

Abstract: This invention discloses immunostimulatory combinations of Tumor Necrosis Factor Receptor Superfamily (TNFRSF) agonists, Toll-Like Receptor (TLR) agonists, "domain present in NAIP,CITA, HET-E, TP-I (NACHT)-Leucine Rich Repeat (LRR)" or "NLR" agonists, RIG-I-Like Helicase or "RLH" agonists, purinergic receptor agonists and cytokine/chemokine receptor agonists, together with delivery methods. The combinations, when used alone at the site of pathology, provide immunostimulation that induces host humoral and cellular immunologic responses to eliminate pathogens or neoplasms. Alternatively, when the combinations are used with a defined antigens, these combinations can induce focused humoral and cellular immunologic responses useful as prophylactic and/or ameliorative therapeutic modalities for infections and the treatment of neoplastic disorders.