

Sukhwinder Singh

Phagocytosis, Cross-Priming, and Tumor Immunity

[To enhance DC capture of apoptotic cells in order to potentiate tumor immunity.]

To perform structure/function analysis on the *B5* integrin receptor in order to identify critical motifs in cytoplasmic tail that mediate internalization. To utilize the *αvβ5* integrin pathway *in vivo* to enhance DC acquisition of apoptotic cells for the purpose of cross presenting tumor specific antigens.