Therapeutics, Autoimmune Disease

Research emphasis:
We aim to apply our knowledge base in biomaterials, and immunology to develop new immune-modulatory therapies that treat and prevent infectious, and autoimmune diseases. Our focus is to not only release doses of medicine, but also develop therapies to skew the immune response of the body to act therapeutically. To this end, we design practical and innovative formulations, taking into account the scalable production and applications in developing nations.

Application:
- Controlled release of therapeutics
- Host-directed therapeutics
- Vaccines
- Antigen specific autoimmune therapies

Collaboration potential:
- Preparation and characterization of liposomes, polymeric nanoparticles, topical creams, and other formulations
- Formulation of a variety of immune adjuvants

Selected publications: (limit 4)


