Dr. Namita Rout

"Role of non classical T-cells in host defense to infectious diseases"

Namita Rout is an assistant professor in the Division of Immunology at the Tulane National Primate Research Center-Tulane University. Her research focuses on the understanding of protective immune mechanisms against HIV-AIDS and TB in the pre-clinical model of nonhuman primates. Her talk will emphasize on the role of "non-classical T cells" in the immune response to intracellular pathogens. While classical T cells react to complexes of peptide and major histocompatibility complex (MHC) proteins, non-classical T cells do not fit this paradigm. Better understanding of their in vivo functions will provide options for the development of safer and more effective forms of immunotherapy in infectious diseases.