Monday, January 26
12:30-1:30pm in JBJ 504

"Critical role of macrophages in the pathogenesis of AIDS using the SIV/macaque model"

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TNPRC

It is now becoming evident that CD+ T cell depletion and/or the level of immune activation does not always correlate with AIDS progression. This presentation will demonstrate the importance of tissue macrophage damage as the mechanism of AIDS in the SIV/macaque model and the role for macrophages in the mechanism of rapid progression in pediatric AIDS, in the pathogenesis of lung disease in AIDS, and in the reactivation of TB in the TB/SIV co-infection model. How this information may help to rationally design strategies to eliminate HIV reservoirs will also be discussed.

Dr Marcelo Kuroda is the Chair of the Division of Immunology at the Tulane National Primate Research Center and an Associate Professor of Microbiology and Immunology at Tulane. He is interested in understanding the importance of innate immunity in the pathogenesis of AIDS and other infectious diseases. He has also recently joined the Center of Aging at Tulane University. Because of these interests, he examines basic changes in cells associated with immune responses during aging of rhesus macaques.