

Curriculum Vitae

Name: Vishwa Deep Dixit

Degree: DVM., Ph.D

Son of teachers, Deep grew up in Hisar (Northwest India). He studied Veterinary Medicine in India, did PhD research in University of Hannover, Germany and postdoctoral research in Morehouse School of Medicine, Atlanta and the National Institute on Aging (NIH) in Baltimore. He was a faculty member in Pennington Biomedical Research Center, LSU in Baton Rouge from in 2006-2013. He currently holds Waldemar Von Zedtwitz endowed chair and is a Professor in the Departments of Pathology, Comparative Medicine and Immunobiology at Yale University. Dixit is also the director of Yale Center for Research on Aging (Y-Age) at the Yale School of Medicine. Dixit lab studies Immunometabolism and aging. His team help establish NLRP3 inflammasome as a key mechanism of ‘inflammaging’ and immunosenescence that leads to age-related chronic diseases including metabolic dysfunction. Dixit and his collaborators have identified that switch from glycolysis to ketogenesis deactivates the inflammasome and reduces immunopathology. The ongoing work in his laboratory is interrogating how the nutrient and energy sensing mechanisms in a host can be harnessed to identify immunometabolic checkpoints to enhance health and lifespan.