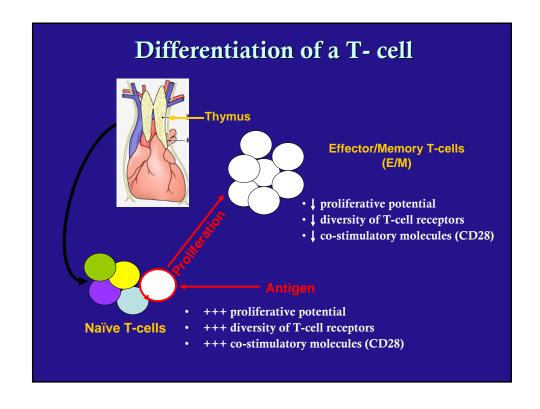
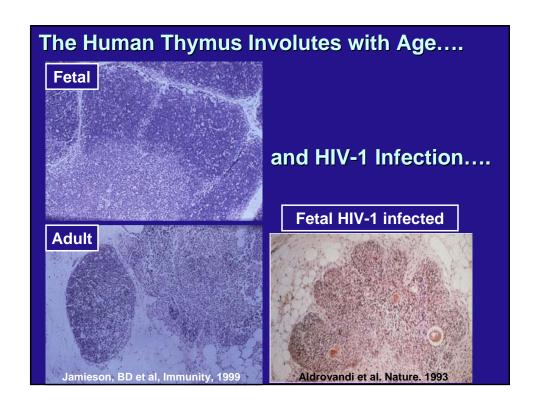
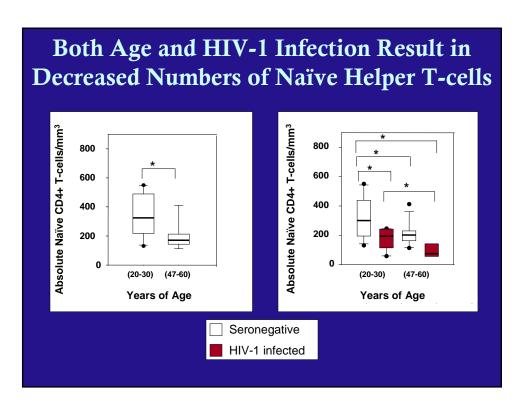
## T-lymphocytes in Aging and HIV Infection

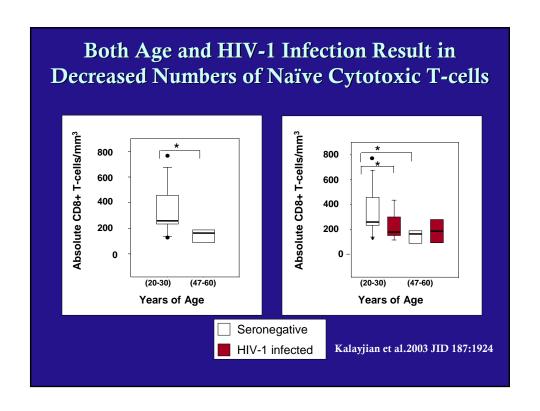
Beth D. Jamieson, Ph.D.

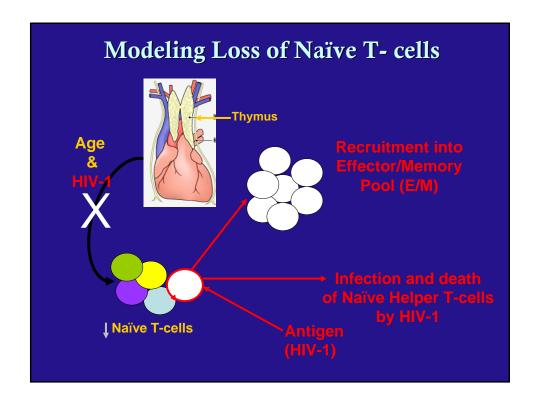
David Geffen School of Medicine at UCLA











## Aging is Associated with Functional Changes in the T-cell compartment

- Hyporesponsiveness to stimulation
- Decreased proliferative capacity and IL-2 production
- Alterations in TCR signaling
- Alterations in cell surface phenotype e.g. less CD28, chemokine receptors etc.

## Most of which are mirrored in HIV-1 Infection

• To what extent are the mechanisms behind age and HIV-1-induced alterations similar or distinct?