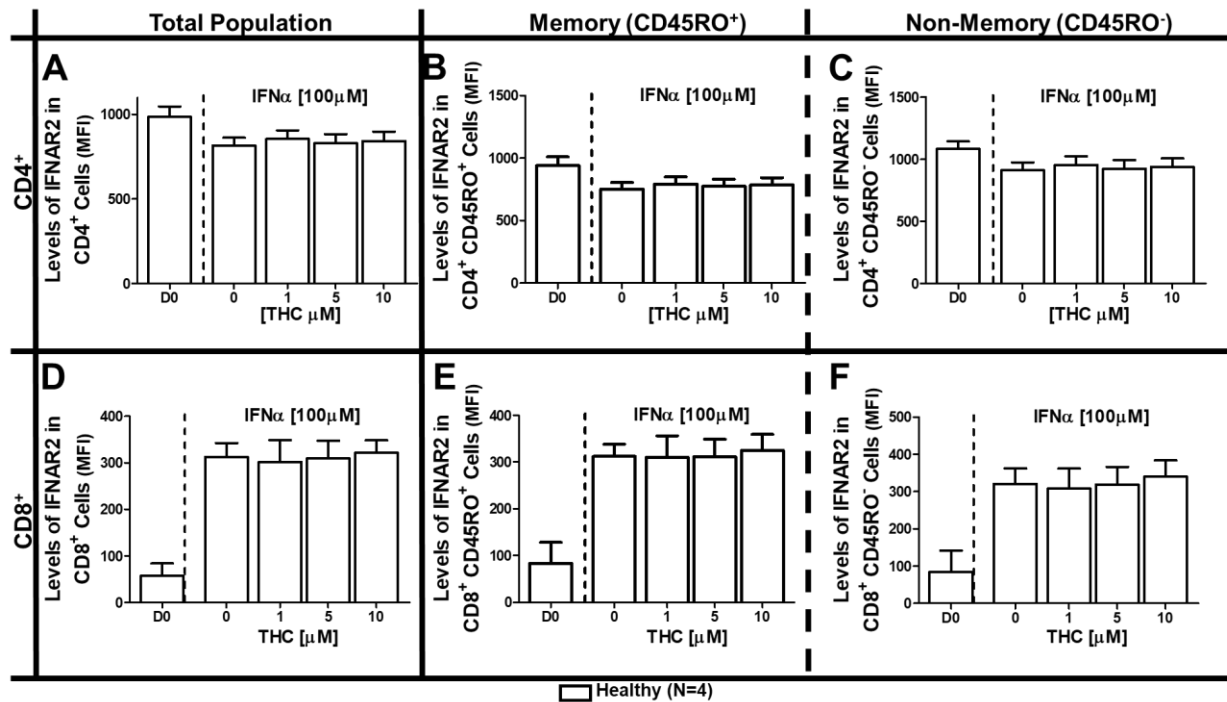


Article Title: Interferon- α -mediated Activation of T Cells from Healthy and HIV-infected Individuals is Suppressed by Δ^9 -Tetrahydrocannabinol¹

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Supplemental Digital Content 1. Stimulation of T cells with IFN α reduces IFNAR2 expression of CD4⁺ cells and enhances expression on CD8⁺ T cells while treatment with THC has no effect on IFN α -induced modulation of IFNAR2 expression. PBMC from healthy and HIV infected donors were isolated through Ficoll PaqueTM density gradient centrifugation and either immediately stained for CD3, CD4, CD8, CD45RO, and IFNAR2 (D0) or treated with either vehicle (0.026% EtOH) or various concentrations of THC (1, 5, or 10 μ M) for 30 min. Following treatment, cells were stimulated with 100U/ml of IFN α and incubated for 48 hrs at which point cells were harvested and stained as described above. A-F) The surface expression of IFNAR2 was determined by flow cytometric analysis in healthy: A) total , B) memory and C) non-memory CD4⁺ cells; and D) total, E) memory, and F) non-memory CD8⁺ cells.