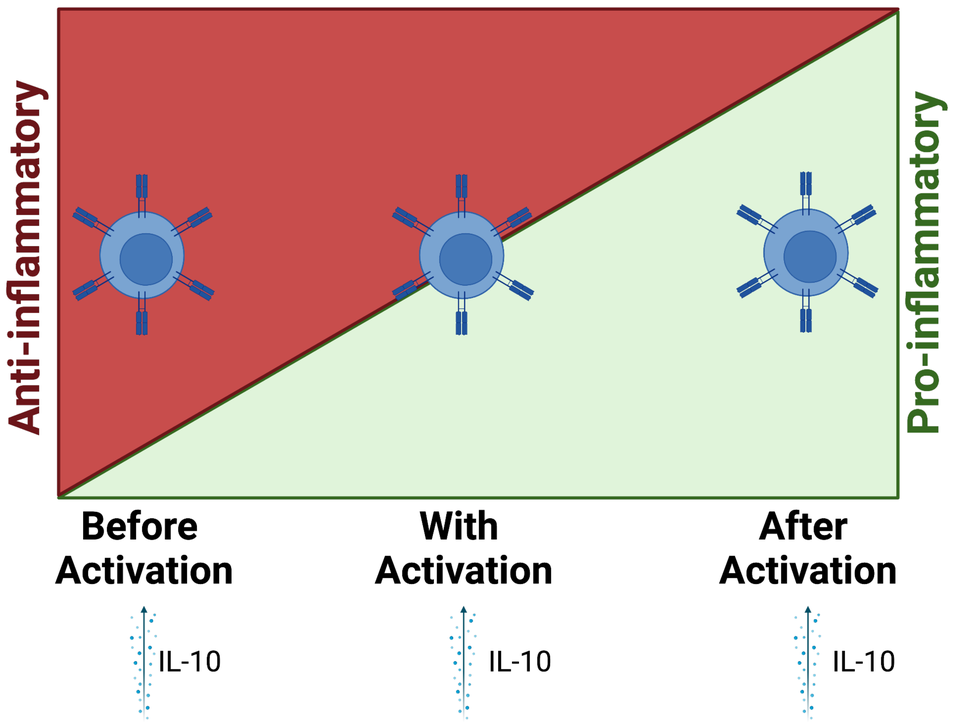
IL-10 only has a pro-inflammatory effect on activated T-cells



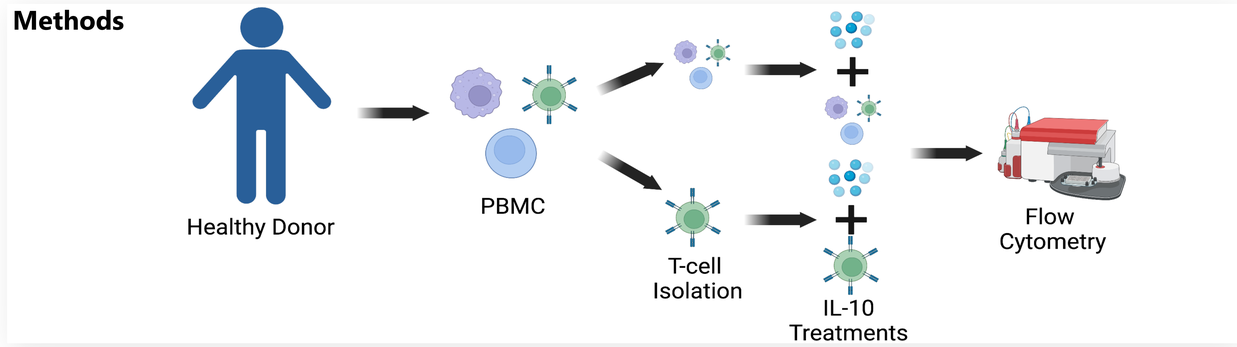
The pro-inflammatory effects of exogenous IL-10 depend on cell activation

Brian Thompson[1], Carol Amato[1], Emily Monk[1], Ann Strange[1], Paulo Burke[1], David Woods[1]

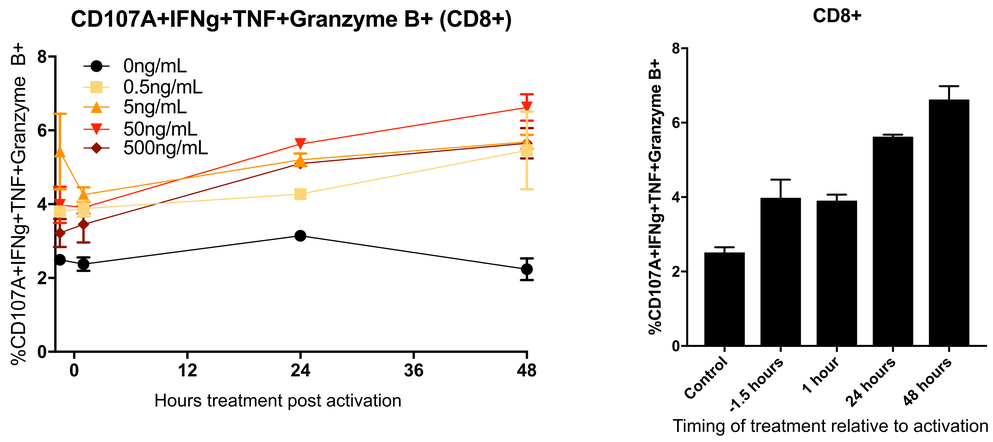
1. **Division of Medical Oncology, University of Colorado School of Medicine**

The Sci-omics Lab

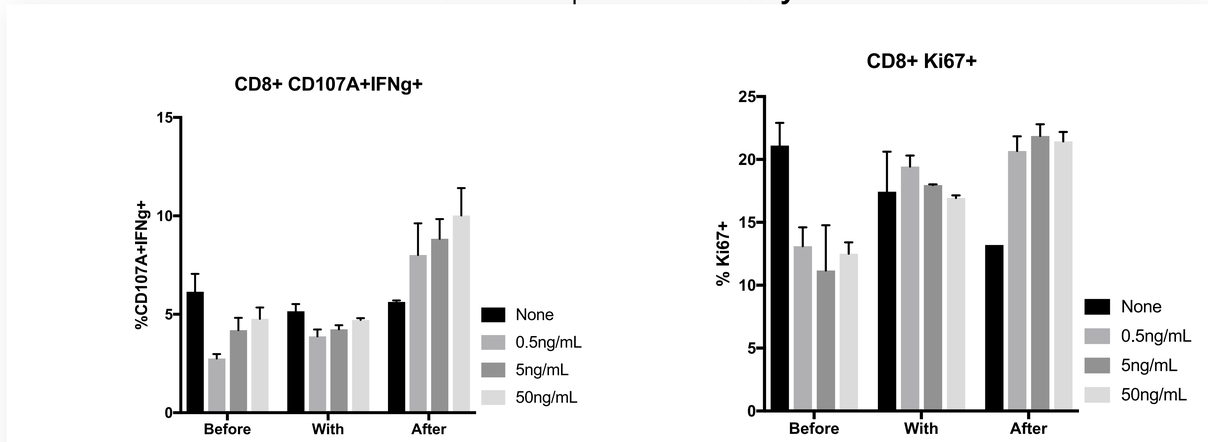
University of Colorado Anschutz Medical Campus



The **timing** of IL-10 treatment of isolated T-cells has a **stronger pro-inflammatory effect** than the **concentration.**



IL-10 treatment of isolated T-cells **before** activation is **anti-inflammatory,** whereas IL-10 treatment **after** activation is pro-**inflammatory**.



The **timing** of IL-10 treatment **similarly determines** an **anti-inflammatory/pro-inflammatory phenotype** in CD8+ T-cells in **PBMC**.