# Worksheet #3: Experimental Designs

For each clinical hypothesis below, select an appropriate study design to test the hypothesis

Hypothesis 1: Patients with multiple sclerosis who receive natalizumab have slower rates of brain atrophy than those receiving placebo.

Hypothesis 2: Patients with high grade glioblastoma who undergo combined chemotherapy and radiation have a lower risk of tumor progression than those receiving chemotherapy alone.

Hypothesis 3: MR imaging of the prostate is as effective as transrectal mapping biopsy for the detection of malignant prostate tumors