Workshop (recommended for 2nd & 3rd year PhD candidates):

NHST reloaded: Some recent developments (Instructors: Jeff Miller & Rolf Ulrich)

In this workshop we will address recent debates concerning null hypothesis testing, replicability, and meta-analysis. In the first part, we will consider some basic issues of meta-analysis and the contribution of p-curves in evaluating evidence of true effects. In the second part, we present a model for determining how a researcher’s choice of alpha, sample size, and further parameters of a research process determine the researcher’s total research payoff. We will also use this model in evaluating optimal levels of the Type I error. We supplement this endeavor with computational and analytical analyses.