# Programma

## Day 1

10:00-12:00 Hypothesis testing, type I and type II errors, p-values, power, sample size

(lunch break)

13:30-14:15 Study design, randomized controlled trial, respective cohort designs, case-control designs

14:15-15:00 Odds ratios, paired observations versus independent observations, chi-square test, McNemar test

(break)

15:30-16:15 Survival analysis, Kaplan-Meier curves

16:15-17:00 Endpoints in survival analysis (OS, PFS, PFS2), analysis populations (intention-to-treat, per protocol analysis)

## Day 2

10:00-12:00 Subgroup analyses, family-wise error rate (FWER), false discovery rate (FDR), interim analyses, alpha-spending functions

(lunch break)

13:30-15:00 Linear regression, logistic regression, Cox proportional hazards model, hazard ratios

(break)

15:30-17:00 Interaction tests, diagnostic accuracy, sensitivity, specificity, ROC curve analysis