Research question
Are tissue concentrations predicted using physiologically based pharmacokinetics (PBPK) accurate?

Methodology
beta-lactam antibiotics (N=5) plasma, tissue biopsy and microdialysis data
PBPK predictions Clinical observations
Simcyp® Clinical studies (n=26)

Results
Plasma
• accurate
Tissue biopsies
• underpredicted
Microdialysate
• overpredicted