Co-clinical Trial

Clinical trial/Practice

Sample collection → Entry to the clinical trials (Drug A) → Progression → Entry to future clinical trials (Drug B)

Prospective
Novel pre-screening system

・Drug sensitivity

・A lot of approved drugs
（・But no standard order of use）
・Expected to longer survival
・Various types of drugs

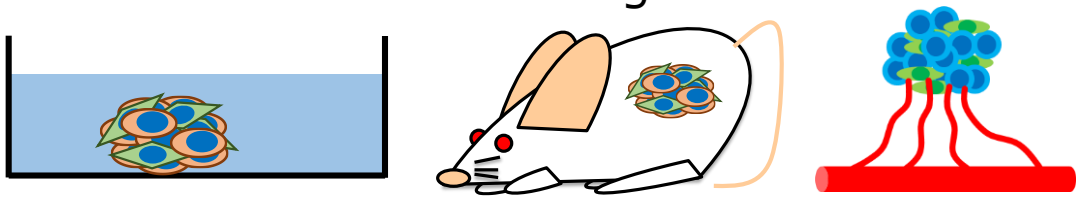
Parallel
Novel drug evaluation system

・Pharmacokinetics
・Mode (Mechanism) of Action

・Actively drug development
・Sample collection just before drug administration
・Insufficient drug evaluation using existing samples

Non-clinical models from same patients

・Organoid models
（・Organoid→PDX models）
・Perfusable organoid models



Assessment	Prospective	Parallel
Common	Model establishment rate	
Individual	・Turn around time ・Concordance rate	・Establishment of evaluation systems