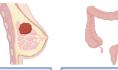
### **5 Cancer Types**



Breast invasive carcinoma (BRCA) N=52



Colon adenocarcinoma (COAD) N=47



Small cell luna cancer (SCLC) N=61

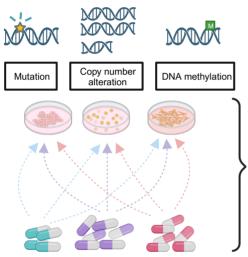


Lung adenocarcinoma (LUAD) N=63



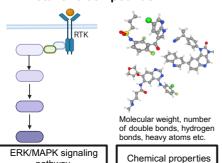
Skin cutaneous melanoma (SKCM) N = 54

#### Total of 277 human cancer cell lines

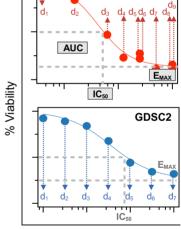


### Total of 3 compounds

pathway



# **MOGP** model GDSC1



## Drug concentration

### Prediction of full dose-response curve

enabling the extraction of various drug response metrics: area under the dose response curve (AUC), IC<sub>50</sub> and E<sub>MAX</sub>.