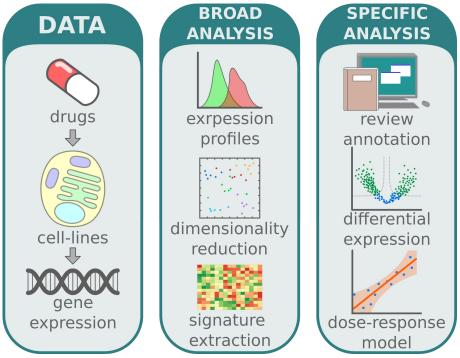


## 02 - Cellular response to drug perturbations

Decipher the heterogeneous cellular response to drug perturbations in cancer.



https://github.com/datascience-mobi/02-cellular-response-to-drug-pertubations

Quantitative measurements of cellular response (Rx) of 60 well-characterized cancer cell lines upon single perturbations with 15 anti-cancer drugs.

## Data types (data stored in FigShare):

- Drug perturbation data from cell lines:
  - Gene Expression profiles (treated and untreated) → transcriptome modulation.
  - Drug sensitivity assay (versus basal cell proliferation) → cell growth inhibition.
- Basal molecular profiles (mutations and basal gene expr) → Rx ~ subgroups.
- Feature annotation (drugs and cell lines) → stratification of cell lines, drug targets, etc.

## Source: