

Cancer Target Discovery and Development (CTD²)

Specific Aims

Institution: M.D. Anderson Cancer Center

Aim 1: Develop an algorithmic framework for identification of driver aberrations through integrative and iterative analyses of genomic, functional and pharmacological data.

Aim 2: Implement a high-throughput platform for engineering somatic aberrations identified by TCGA data for downstream functional studies.

Aim 3: Implement a scalable flexible in vitro functional genomics platform for the identification of drivers and therapeutic liabilities.

Aim 4: Identify oncogenic drivers or driver combinations through in vivo context-specific screens (CSS) for tumorigenicity.