

# **Cancer Target Discovery and Development (CTD<sup>2</sup>)**

## **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.