Kishore Balasubramanian, Class 2025

Campus: Baylor University Medical Center, Dallas, TX
Research Area: Relationship between disease characteristics and clinical outcomes in of Pancreatic Adenocarcinoma (PDAC) patients.
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Launch Talks: February 2022

Kishore Balasubramanian is an medical student at Texas A&M School of Medicine and is conducting a research project at UT Southwestern Medical Center's Department of Surgery, Division of Surgical Oncology under the guidance of Matteo Ligorio M.D., PhD. The primary focus of the Ligorio Lab is precision medicine- i.e. to develop safer and more effective anti-cancer therapies using "multi-omic" techniques. The aim of this MSE project is to further characterize the disease development and challenge the current paradigm of tumor progression in Pancreatic Ductal Adenocarcinoma (PDAC) patients. Currently, all PDAC patients with metastatic disease are treated as a homogeneous group. A retrospective study will be conducted using Stage IV PDAC patients from William P. Clements University Hospital to identify specific clinical factors (metastases site, metastases number, etc) that are correlated with disease aggressiveness and response to therapy. If successful, this study will have a major impact on the clinical management of PDACs, guiding novel PDAC screening methods and new therapeutic strategies for one of the most lethal solid tumors in adults.