

James & Esther King Biomedical Research Program

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*2011 Program
Bridge
(1-year project)*

Project Title: Modulation of ErbB Signaling and Lung Cancer by Shp2

Project Summary: Lung cancer is a leading cause of cancer death among men and women in the United States. Shp2 is often activated aberrantly in lung cancer cells. Our study will investigate the functional role and mechanism of Shp2 in malignant growth and survival of lung cancer cells. This will provide novel insights into the control mechanism of lung cancer. It will also identify a new molecular target for the development of new therapy for lung cancer. Furthermore, our study has the potential of leading to new combination therapy trials in a hyper-responsive cohort of lung cancer patients.