



CANCER PREVENTION & RESEARCH
INSTITUTE OF TEXAS

Award ID:
RP120316

Project Title:
CBM complex-mediated signaling pathways as potential therapeutic targets for EGFR-induced cancer

Award Mechanism:
Individual Investigator

Principal Investigator:
Lin, Xin

Entity:
The University of Texas M.D. Anderson Cancer Center

Lay Summary:

Mutations and over-expression of Epidermal Growth Factor Receptor (EGFR), a type receptor that controls cell growth, are associated with tumorigenesis of various cancers. This aberrant expression of EGFR is found to induction of a family of transcription factors, NF- κ B, which controls cell proliferation, survival, and migration. In this proposal, we will determine the requirement of a protein complex in mediating EGFR-induced NF- κ B activation and EGFR-induced tumorigenesis. Results from this study will provide molecular insights for new therapeutic approaches against various cancers.