



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:  
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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-kB, which controls cell proliferation, survival, and migration. In this proposal, we will determine the requirement of a protein complex in mediating EGFR-induced NF-kB activation and EGFR-induced tumorigenesis. Results from this study will provide molecular insights for new therapeutic approaches against various cancers.