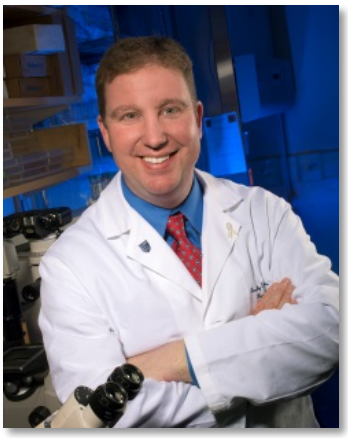

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Key questions defining research program:

- How do EMT transcription factors lead to acquired resistance to EGFR/MET TKIs?
- How do we target EMT transcription factors in lung cancer?
- How do we target KRAS mutant NSCLC in the clinic?
- How do we overcome resistance to Hsp90 inhibitors in lung cancer?
- Do specific alterations predispose to brain metastases in lung cancer and how do we target them?

Key words describing research program:

- KRAS mutant lung cancer
- TWIST1, EMT
- Targeting brain metastases in lung cancer
- Hsp90 inhibitors
- Acquired resistance to targeted agents

Titles for shovel-ready research projects:

- Role of EMT phenotype in oncogene driver defined NSCLC and outcome
- Characterization of alterations enriched in lung cancer brain metastases
- Role of TWIST1 in SCC NSCLC
- Clinical characteristics and prognostic significance of molecular subsets in lung cancer

Data sources for shovel-ready research projects:

- Large molecularly and clinically annotated collection of primary lung cancer samples with associated proteomic and gene expression data
- Large molecularly annotated cohort and smaller cohort of paired lung cancer brain metastases