## **Publication Links**

- First RSK specific inhibitor isolated
- 2006 RSK2 nuclear localization key event for breast cell transformation
- 2008 YB-1 is a highly predictive biomarker for aggressive breast cancer
- RSK is a major facilitator of YB-1 function in BLBC
- RSK1 & 2 promising target in ER negative breast cancer
- RSK is a promising target for oncogenic RAS/MAPK cancers
- TNBC is functionally dependent on RSK
- **2012** SiRNA silencing of RSK leads to TNBC growth inhibition and apoptosis
- RSK promotes checkpoint silencing and chemo-resistance
- Validation of association between YB-1 and BLBC
- TNBC exquisitely sensitive to RSK inhibitors
- RSK identified as 1 of 13 druggable kinases for TNBC
- RSK inhibition overcomes chemo-resistance
- **2016** <u>Unlike MEK inhibition, RSK doesn't activate Akt</u>
- "RSK is an untapped source of drug targets"
- First orally available potent and selective RSK inhibitors patented
- Nuclear RSK2 essential for breast cancer formation
- 2022 An oral first-in-class small molecule RSK inhibitor suppresses AR variants and tumor growth in prostate cancer
- 2022 The novel RSK2-YB-1-KLF5-KRT16/Ly6D axis provides candidate diagnostic markers and therapeutic targets for BLBC
- Targeted Treatment of Triple-Negative Breast Cancer
- 2023 Inhibition of p90 ribosomal S6 kinases disrupts melanoma cell growth and immune evasion