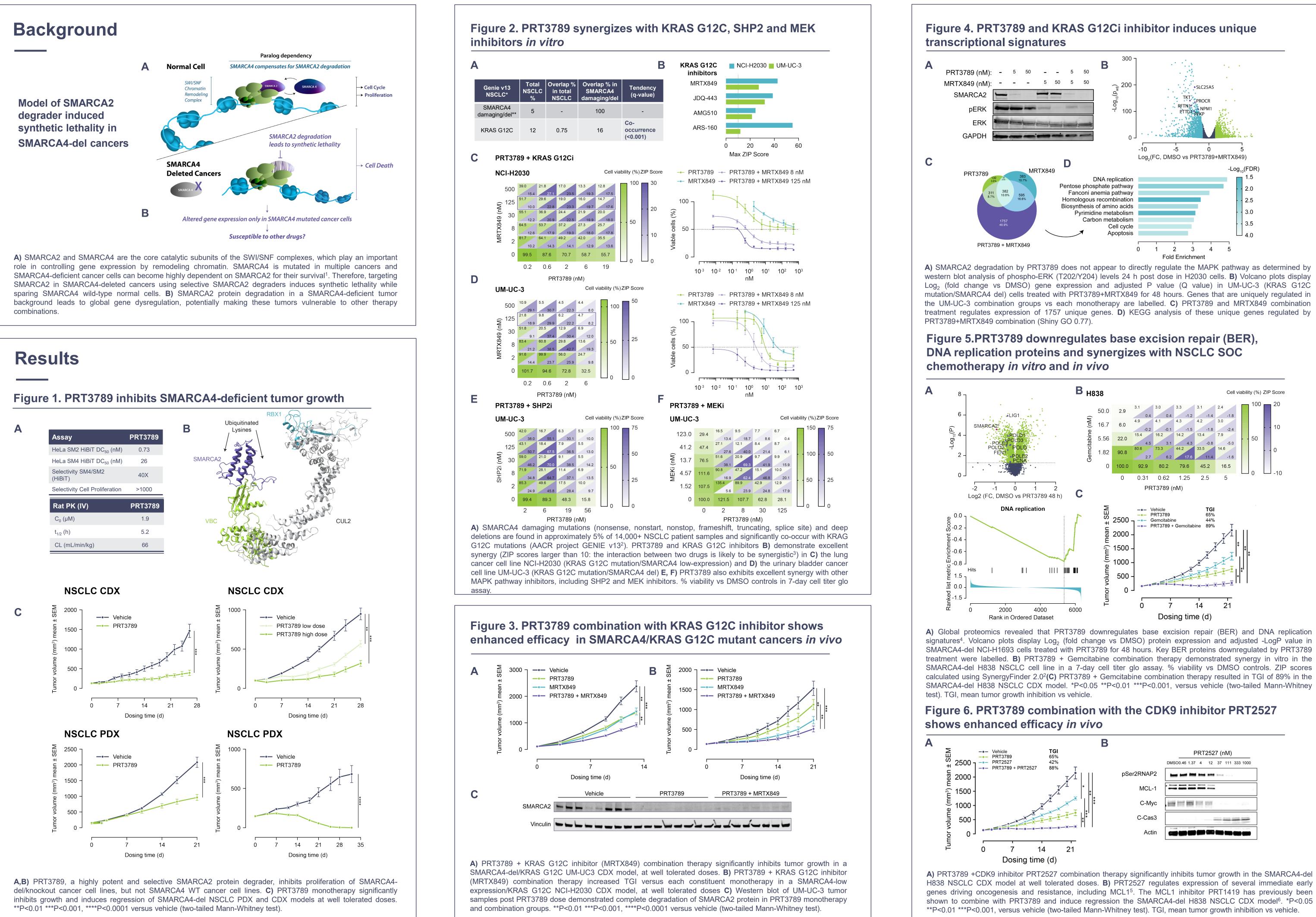
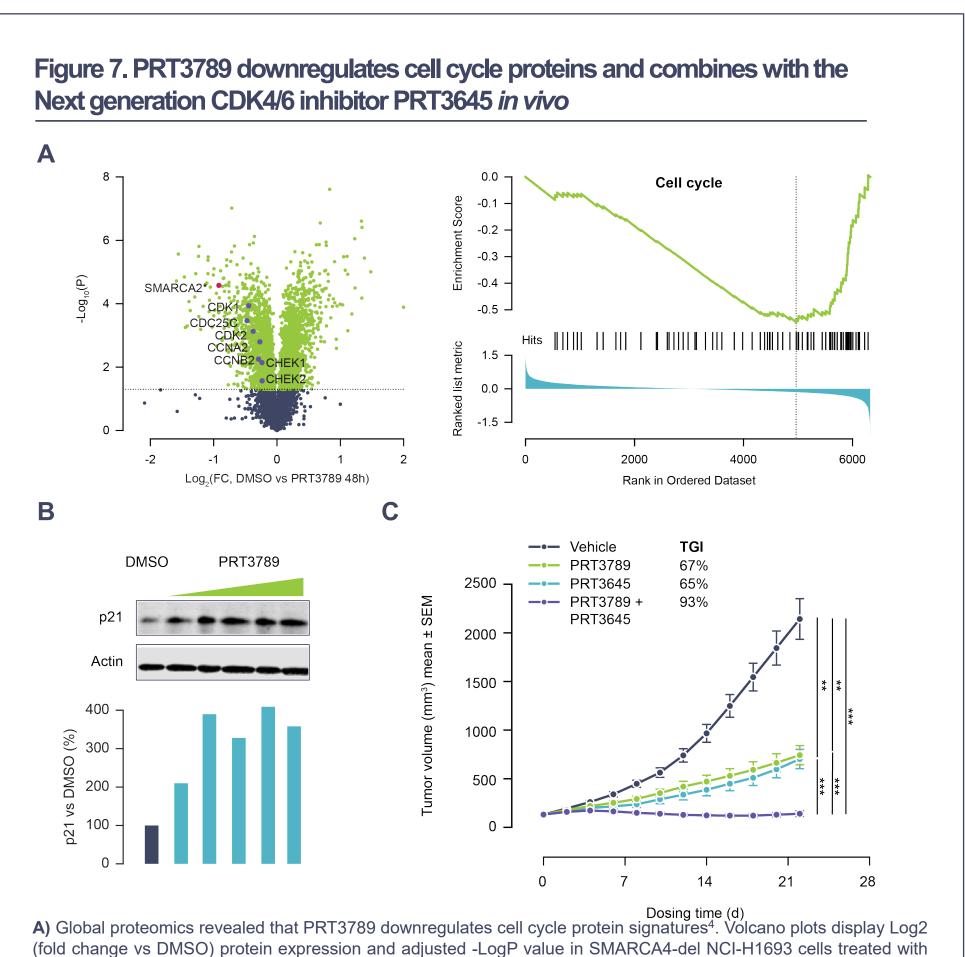
Combination therapy with selective SMARCA2 (BRM) degraders for treatment of SMARCA4 (BRG1)-deficient cancers

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(fold change vs DMSO) protein expression and adjusted -LogP value in SMARCA4-del NCI-H1693 cells treated with PRT3789 for 48 hours. Key cell cycle proteins downregulated by PRT3789 treatment were labelled. B) SMARCA4-del NCI-H838 cells treated with PRT3789 for 48 hours led to induction of p21 protein. (C) PRT3789 + the CDK4/6 inhibitor PRT3645 combination therapy induced tumor regression in the SMARCA4-del H838 NSCLC CDX model at well tolerated doses. *P<0.05 **P<0.01 ***P<0.001, versus vehicle (two-tailed Mann-Whitney test). TGI, mean tumor growth inhibition vs vehicle.

Conclusions

- including KRAS G12C, SHP2 and MEK inhibitors.
- regression of SMARCA4-del CDX models

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Disclosures

Authors are or were employees of Prelude Therapeutics, Inc at the time of research, and may own equity in the Company.





Targeting SMARCA2 in SMARCA4-deficient cancers with PRT3789 monotherapy significantly inhibits growth and induces regression of SMARCA4del NSLCL PDX and CDX models at well tolerated doses.

PRT3789 combines synergistically with agents that target the MAPK pathway,

PRT3789 combines in vivo with KRAS G12C inhibitor, NSCLC SOC chemotherapy, CDK4/6 and CDK9 inhibitors to inhibit tumor growth and induce

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