A KPC GEMM
Tumor burden (day 7)
Pancreas weight (gram)
Vehicle
RT
FAKi
RT + FAKi
Veh
RT
FAKi
RT+FAKi
B KPC-OG GEMM
Tumor burden (day 14)
C PDA.69 (KRAS p53R172H)
% change in tumor volume (day 0 to 5)
D KRAS-INK
% change in tumor volume (day 0 to 7)
E KPC GEMM
% CK19+ cells (out of total cells)
F KPC GEMM (Day 14)
Vehicle (14 days)
RT (14 days)
FAKi (14 days)
RT+FAKi (14 days)
Tumor Grade
% of pancreas area
High grade PDAC
Low grade PDAC
PANIN mix
Normal/ADM
Necrosis
G
Tumor
Lymph Node
CD8+ T cells
Number CD8+ T cells per gram of tumor
% CD44+ CD8+ T cells (out of CD8+ T cells)
ns
I KP2 syngeneic
Tumor Volume (mm3)
Time from treatment start (days)
RT + αCD4/αCD8
RT + FAKi + αCD4/αCD8
H
CD4+ Foxp3+ T cells
Number of CD4+ Treg cells per cm2 of tumor area
100μm
Hema CK19 CD4 Foxp3
J KP2 OVA GFP
Tumor volume at take down (mm3)
RT + αIFNAR1
RT + FAKi + αIFNAR1

Figure S4: Combining FAKi with RT leads to immune priming *in-vivo*

(A) Day 7 pancreas weight of KPC mice from **Fig. 4A**. Representative gross tissue images are depicted. n = at least 7 mice/group. **(B)** Day 14 pancreas weight of KPC-OG mice from **Fig. 4I** treated as depicted in **Fig. 4A**. n = at least 7 mice/group. **(C)** Waterfall plot of PDA.69 ($KRAS^{G12D}/p53^{R172H/+}$) syngeneic tumor-bearing mice treated as depicted in **Fig. 4A** evaluating tumor growth difference from day 0 to 5. n = 10 mice/group. **(D)** Waterfall plot of KRAS-INK orthotopic tumor-bearing mice treated as depicted in **Fig. 4A** evaluating tumor growth difference from day 0 to 7. n = 5-10 mice/group. **(E)** IHC analysis of $CK19^+$ tumor cells in KPC mice at day 14. n = at least 7 mice/group. **(F)** Tumor grade and representative H&E images of KPC mice at day 14. n = at least 7 mice/group. **(G)** Flow cytometry quantification of total $CD8^+$ T cells and percentage of $CD44^+$ $CD8^+$ T cells out of total $CD8^+$ T cells in KPC mice at day 14. n = at least 7 mice/group. **(H)** mIHC analysis of $CD4^+$ $Foxp3^+$ T regulatory cells in tissues from KPC mice at day 14. Representative CK19, CD4, and Foxp3 fused mIHC images are depicted. n = at least 5 mice/group. **(I)** Tumor growth kinetics of KP2 syngeneic tumor-bearing mice from **Fig. 4L-M**. n = 10 mice/group. **(J)** Day 40 tumor weight of KP2-OVA-GFP tumor bearing mice treated with RT $\pm$ FAKi $\pm$ αIFNAR1 blocking antibody. n = 10 mice/group.

All graphs depict mean +/- SEM. "*" denotes $p < 0.05$ by two-tailed t-test or one-way ANOVA as appropriate. "ns" denotes not significant.