SUPPLEMENTARY FIGURE LEGENDS

Figure S1: **Effect of pancreatitis on mast cell infiltration in Kras^{G12D} and Kras^{G12D}/Snail mice**. **A, B**. Kras^{G12D} and Kras^{G12D}/Snail mice were i.p. injected with cerulein (100 μg/kg) for 5 days per week for 3 weeks. Pancreatic tissue samples from Kras^{G12D} and Kras^{G12D}/Snail mice were collected 17 days after cessation of cerulein treatment and stained for mast cells using chloracetate esterase (CAE; *A*) and toluidine blue (TB; *B*) and the total number of mast cells per section was counted. The p-values were calculated using unpaired t-test. Scale bars, 50 μm.

Figure S2: **Snail expression in CD18 cells increases SCF production and mast cell migration. A**. Western blot of CD18 pancreatic cancer cells expressing control vector (V) or Snail (Sn). **B**. The mRNA samples from CD18-V and CD18-Sn cells were analyzed for stem cell factor (SCF) and GAPDH using real-time PCR, and the mRNA levels normalized to the levels present in vector-expressing control cells (*, $p<0.05$). CD18-V^{CM} and CD18-Sn^{CM} were generated as detailed in Materials and Methods. SCF protein levels in the conditioned media were determined using the human Quantikine ELISA kit DCK00 purchased from R&D Systems (*, $p<0.05$). **C**. HMC-1 mast cells (2×10^5) were added to the upper chamber of an 8 μm uncoated Boyden chamber with either CD18-V^{CM} or CD18-Sn^{CM} supplemented with 1% serum in the lower chamber. HMC-1 cells were allowed to migrate into the lower chamber, collected and counted. The p-values were calculated using paired t-test. **D.** HMC-1 mast cells (2×10^5) were added to the upper chamber of an 8 μm uncoated Boyden chamber with either CD18-V^{CM} or CD18-Sn^{CM} in the lower chamber. A neutralizing antibody against SCF (AF-255-NA) or an isotype-matched IgG antibody was added to the lower chamber. HMC-1 cells were allowed to migrate over 18 hours into the lower chamber, collected and counted. The p-values were calculated using paired t-test. *, $p<0.05$.

Figure S3: **Slug expression in AsPC1 cells increases SCF production. A**. Western blot of AsPC1 pancreatic cancer cells expressing control vector (V) or Slug. **B**. The mRNA samples from CD18-V and CD18-Slug cells were analyzed for stem cell factor (SCF) and GAPDH using real-time PCR, and the mRNA levels normalized to the levels present in vector-expressing control cells (**, $p<0.01$). CD18-V^{CM} and CD18-$Slug^{CM}$ were generated as detailed in Materials and Methods. SCF protein levels in the conditioned media were determined using the human Quantikine ELISA kit DCK00 purchased from R&D Systems (**, $p<0.01$).

Figure S1

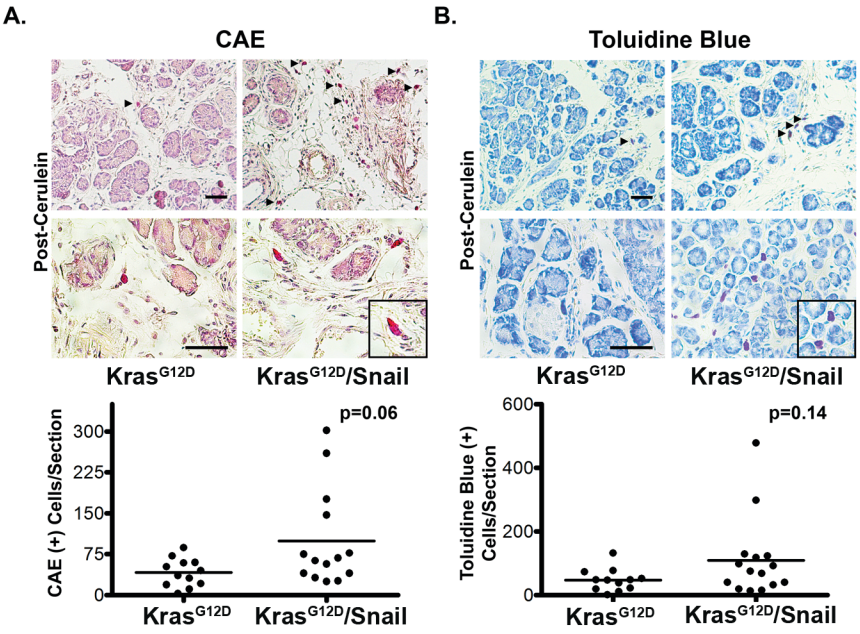

A.
CAE
Post-Cerulein
Kras^G12D
Kras^G12D/Snail
CAE (+) Cells/Section
300
225
150
75
0
p=0.06
Kras^G12D
Kras^G12D/Snail
B.
Toluidine Blue
Post-Cerulein
Kras^G12D
Kras^G12D/Snail
Toluidine Blue (+) Cells/Section
600
400
200
0
p=0.14
Kras^G12D
Kras^G12D/Snail

Figure S2

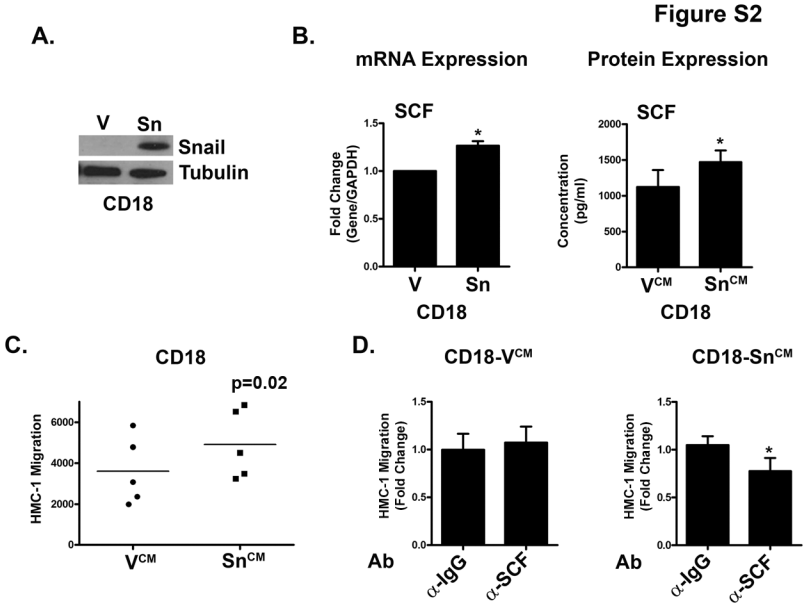
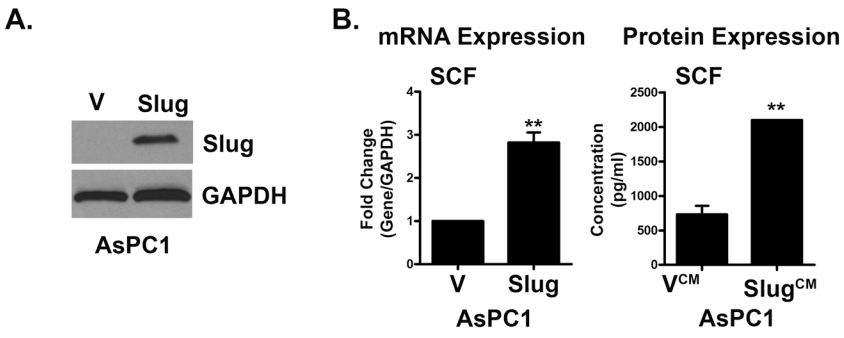

A.
V
Sn
Snail
Tubulin
CD18
B.
mRNA Expression
Protein Expression
SCF
Fold Change (Gene/GAPDH)
1.5
1.0
0.5
0.0
*
V
Sn
CD18
SCF
Concentration (pg/ml)
2000
1500
1000
500
0
*
VCM
SnCM
CD18
C.
CD18
p=0.02
HMC-1 Migration
6000
4000
2000
0
VCM
SnCM
D.
CD18-VCM
CD18-SnCM
HMC-1 Migration (Fold Change)
1.5
1.0
0.5
0.0
Ab
α-IgG
α-SCF
HMC-1 Migration (Fold Change)
1.5
1.0
0.5
0.0
*
Ab
α-IgG
α-SCF

Figure S3


A.
V
Slug
Slug
GAPDH
AsPC1
B.
mRNA Expression
SCF
Fold Change (Gene/GAPDH)
0
1
2
3
4
**
V
Slug
AsPC1
Protein Expression
SCF
Concentration (pg/ml)
0
500
1000
1500
2000
2500
**
V^CM
Slug^CM
AsPC1