

**Supplementary figure 8. Experimental design of mice studies.**

(A) Flow diagram depicts an experimental strategy for PET imaging with different SST analogs in tumor mice models.

(B) Flow diagram depicts an experimental strategy for 177Lu-DOTA-EB-TATE therapy in mice models characterized by high- and low- SSTR2 expression and similar tumor growth rate.

(C) Flow diagram depicts an experimental strategy involving treatment with different 177Lu-labeled SST analogs in a mice model characterized by high- SSTR2 expression.