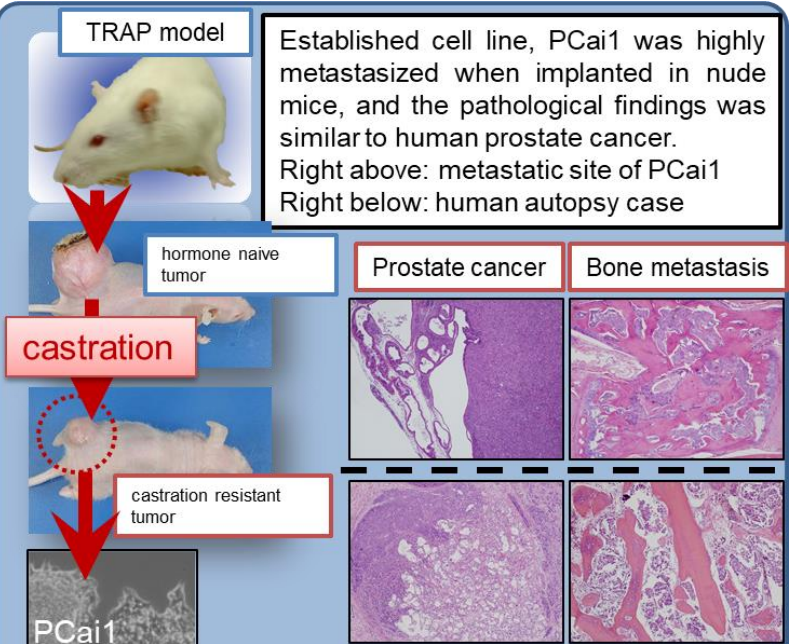


MiR-8080 recruitment inhibits expression of androgen receptor splicing variants in castration-resistant prostate cancer
via miRNA recruitment in castration-resistant prostate cancer

Taku Naiki

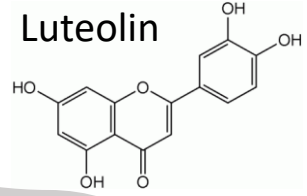
I have no financial relationships to disclose.



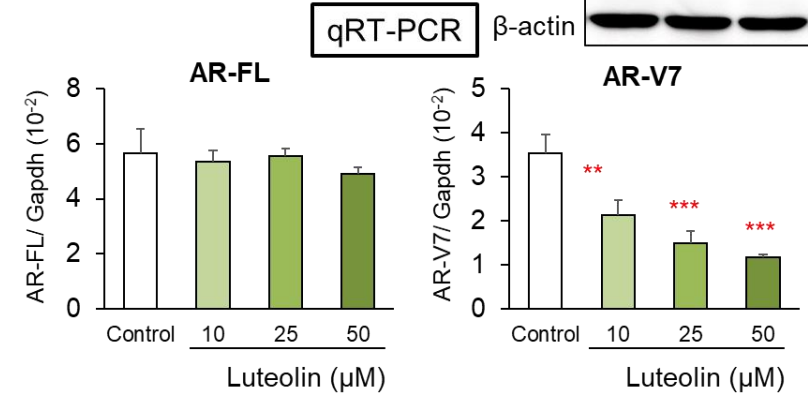
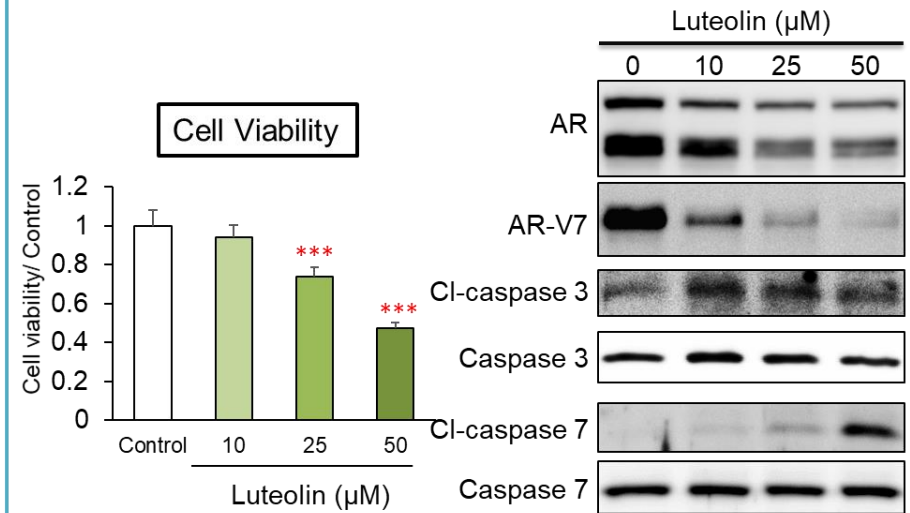
High metastatic potential to bone

Naiki T et al Prostate 2012
 Naiki T et al Carcinogenesis 2014

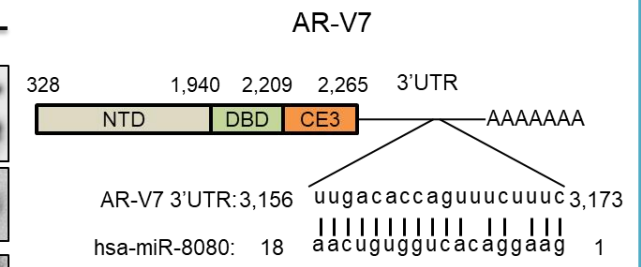
Perilla frutescens



(II) In vitro analysis using 22Rv1 and miRNA microarray analysis



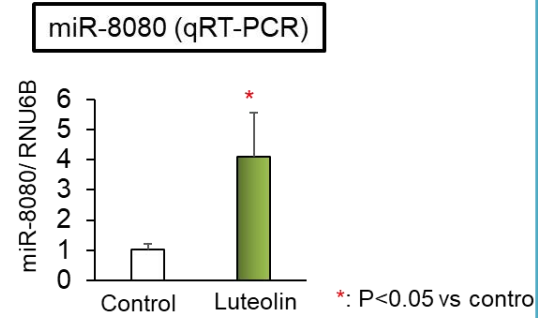
** ,***: P<0.01, 0.001 vs control



Stem-loop sequence hsa-mir-8080

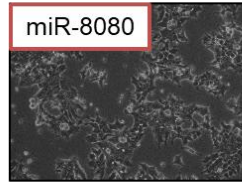
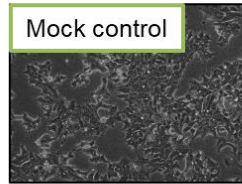
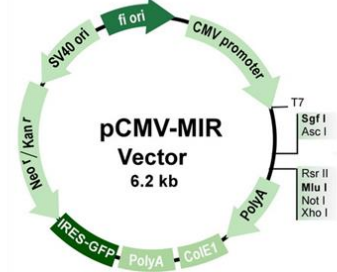
Accession	MI0025916
Symbol	HGNC:MIR8080
Description	Homo sapiens miR-8080 stem-loop
Stem-loop	<pre> 5' auggc -sa CU -aa -gag g ucuaa aSSaCa sSUGUC CgS CU cccuuu a 3' gUaaa agg au aag u -a a </pre>

By miRBase

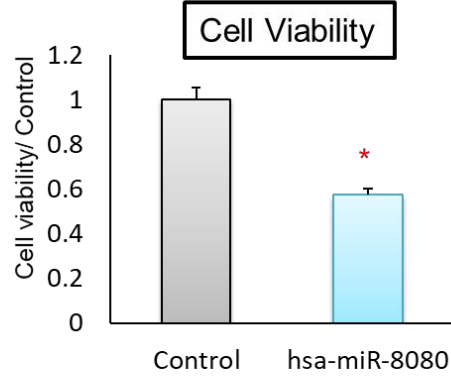
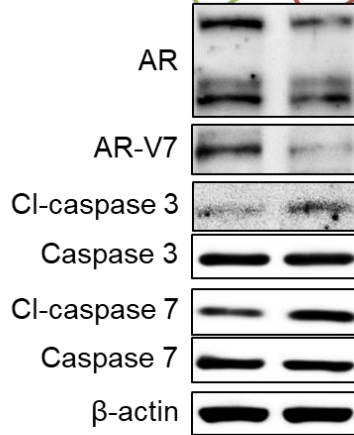


*: P<0.05 vs contro

miR-8080 expression vector

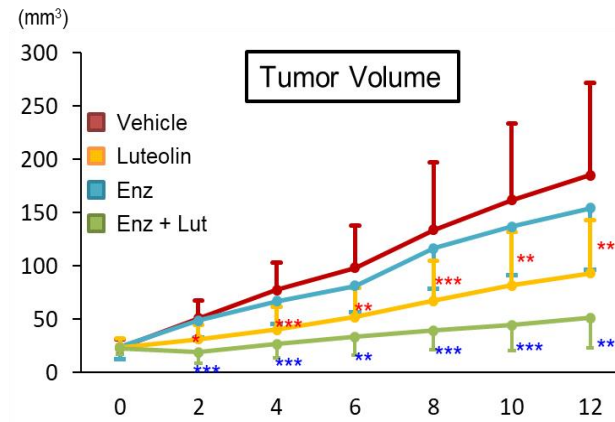


Mock
miR-8080

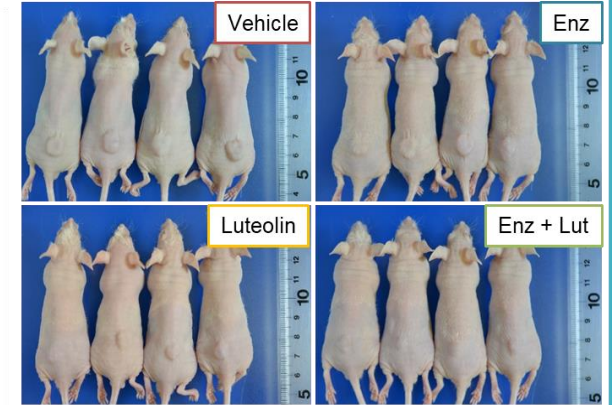


*: P<0.05, ***: P<0.001

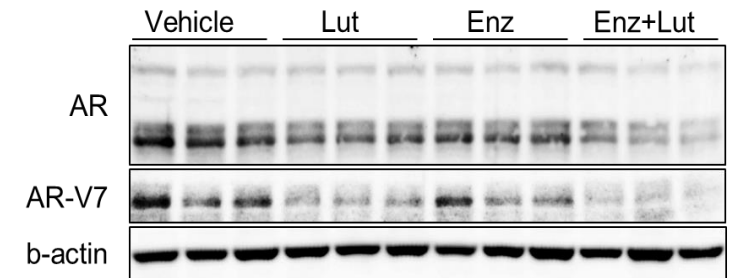
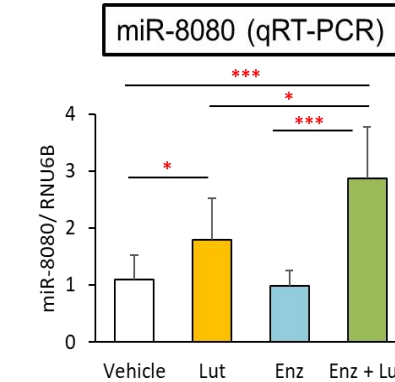
(IV) Combined administration of luteolin and enzalutamide *in vivo*.



*, **, ***: P<0.05, 0.01, 0.001 vs vehicle in each week (day)



, *: P<0.01, 0.001 vs Enzalutamide in each week



In conclusion, miR-8080 was potential of prognostic marker, and luteolin was promising chemotherapeutic agent for castration resistant prostate cancer.