

How breast cancer grows: ZNF703 and CARM1

ER+ is the most common type of breast cancer

The estrogen receptor (ER) is a protein that attaches to the hormone estrogen and tells cancer cells to grow. ER+ breast cancer cells have more ER. In this study, researchers looked at how other proteins affect ER and cause breast cancer to grow.

Estrogen increases ZNF703 protein

Researchers found that estrogen, a hormone, increases the amount of ZNF703 protein in cancer cells

Lowering ZNF703 slows cancer growth

When researchers lowered the amount of ZNF703 protein, cancer cells grew slower

Taking away CARM1 lowers ZNF703 and could be used to treat cancer

When researchers took away a protein called CARM1, ZNF703 broke down and cancer grew slower

