

# ***PTEN** role in regulating tumour cell growth*

**PTEN** now shown to suppress tumour growth through **two mechanisms**, not one

It works within the **PI3K cell signalling pathway**

It regulates production of two lipid messengers needed for **activation of key cancer pathways**

**Loss of PTEN** causes a dramatic **increase in PI(3,4)P2**

**PI(3,4)P2** may actually regulate important components of **cell growth and invasion**

