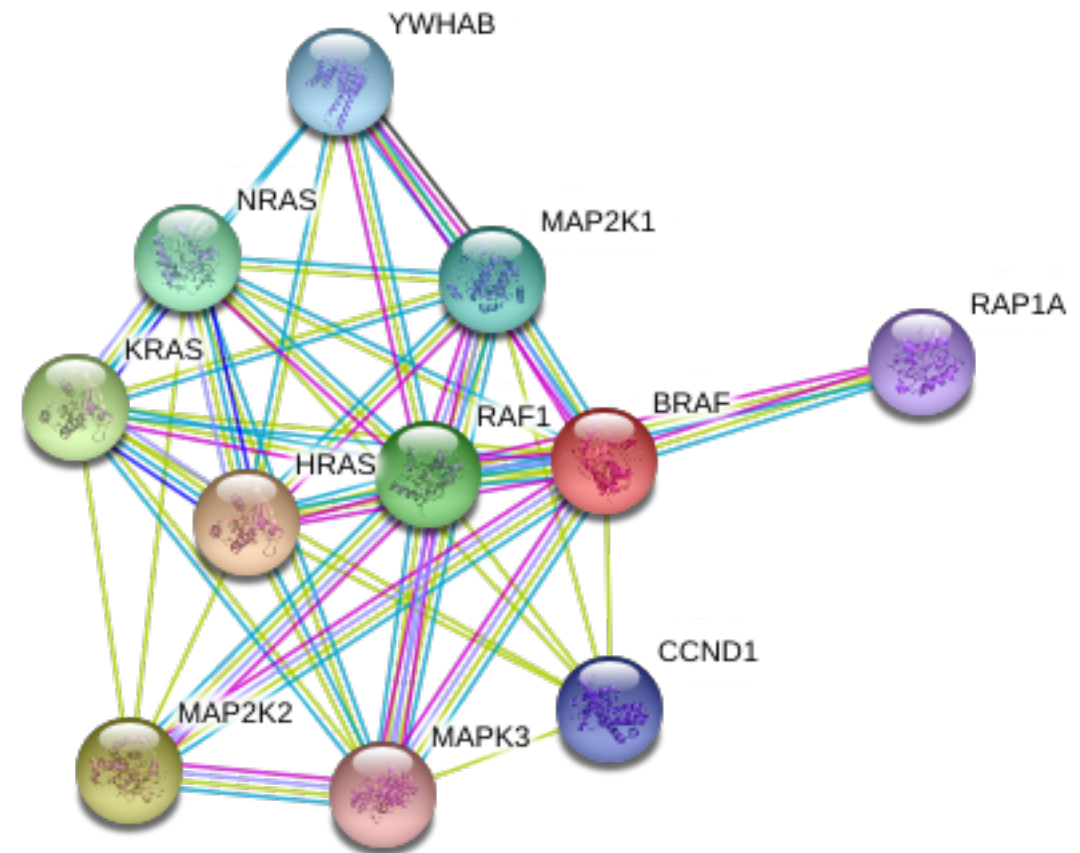


# Relations To Bioinformatics

- ▶ Genes form networks to regulate different functions in a human body.

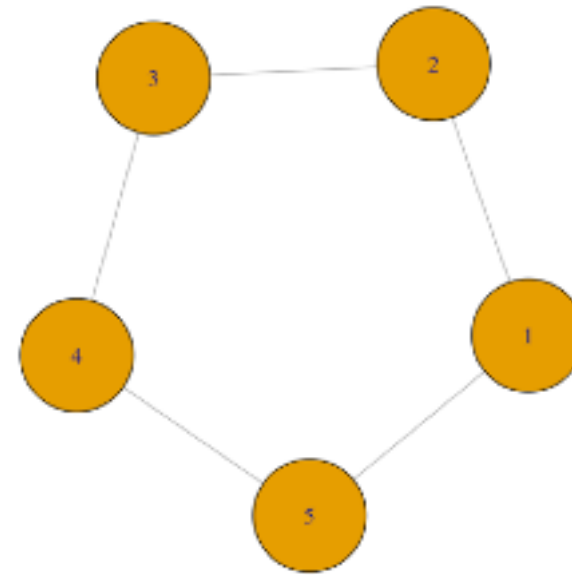


- ▶ Cancer = Uncontrollable cancer cell growth
- ▶ Often this growth is due to a disturbance in a key regulatory gene - the hub of the network.

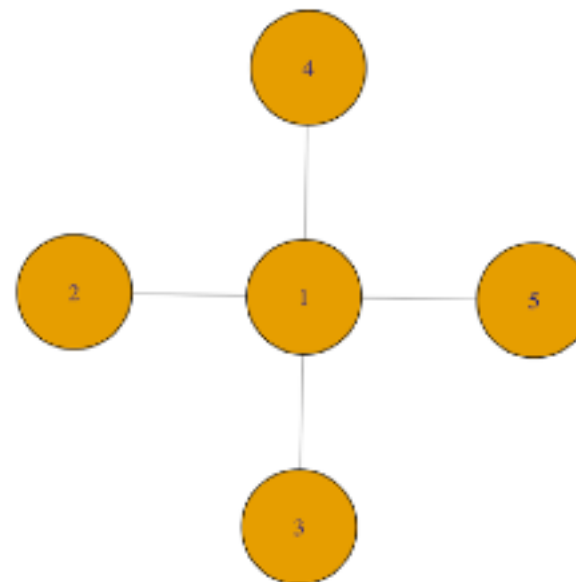
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# Network Centralisation

- ▶ **Node centralisation** defines the most important node in a network.
- ▶ **Network centralisation** is the weighted average of node centralisations.



Centralisation = 0



Centralisation = 0.67