

Propositions

The mutant components of Wnt/ β -catenin signaling in liver cancer

1. Only a modest activation of β -catenin signaling is observed in a subset of hepatocellular cancers, which does not mean it cannot significantly contribute to tumor formation. (*This thesis*)
2. Blocking Wnt secretion reduces growth of hepatocellular carcinoma cell lines mostly independent of β -catenin signaling. (*This thesis*)
3. β -catenin K335 and N387 amino acid alterations are commonly observed in HCC and hepatomas, and lead to weak activation of the pathway by selectively reducing binding to APC. (*This thesis*)
4. AXIN1 mutation leads to enhanced β -catenin signaling in hepatocellular cancers, opposing other reports that suggest otherwise (*This thesis*)
5. STRAP is a new player in regulating Wnt/ β -catenin signaling in HCC. (*This Thesis*)
6. Too much experience is a dangerous thing. (*Oscar Wilde, British dramatist*)
7. If I have seen further it is by standing on the shoulders of Giants. (*Isaac Newton*)
8. 他山之石，可以攻玉 《诗经·小雅·鹤鸣》 By other's faults, wise men correct their own (*The Book of Songs, XiaoYa, HeMing*).
9. “知己知彼，百战不殆” 《孙子兵法》 . If you know the enemy and know yourself, you need not fear the result of a hundred battles (*The Art of War written by Sun Tzu*).
10. You cannot improve your past, but you can improve your future. Once time is wasted, life is wasted.
11. Your future depends on your dreams. So go to sleep. (*Garfield*)