

Stellingen behorende bij het proefschrift

Cell signalling in survival: Natural compounds and small-molecule inhibitors provide essential insight

1. The Hh pathway is an essential component of multidrug resistance (MDR) myeloid leukemia and targeting this pathway may be an interesting therapeutic strategy for overcoming MDR resistance in myeloid leukemia (this thesis).
2. Indian Hedgehog is carried by very low density lipoprotein (VLDL) particles (this thesis).
3. Many kinase activities are different between drug resistant and sensitive cells. Apart from rapamycin, other kinase inhibitors did not induce sensitivity suggesting these kinases are not essential for drug resistance (this thesis).
4. The redundancy in survival signaling pathways which accompany drug resistance suggest that single inhibitor treatment may not be the ideal strategy (this thesis).
5. Nature provides an endless source of interesting molecules that can be used to design new classes of pharmacological tools (this thesis)
6. We propose a novel function for lipoprotein particles, in which they act as vehicles for the movement of lipid-linked morphogens (adapted from Panáková D et al. Nature 2005)
7. Strategies that exploit cross-signaling between apoptotic and non-apoptotic cell death pathways to stimulate several forms of death may enhance the effectiveness of chemotherapy and prolong survival in cancer patients (Kim R et al, J Pathol 2006).
8. "Always have a second plan", Q in 007, The world is not enough, Ian Fleming
9. The destruction of Amazonia is as serious as unemployment caused by arbitrary decisions of global speculators (Cristóvão Buarque).
10. Perhaps there are enemies of my opinions, but I myself, if I wait a while, I also can be enemy of my opinions (Borges).

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