

Figure 4: Death ligands and their receptors Death ligands and their receptors comprise of TNF-TNFR1, FasL/CD95L-Fas, TWEAK(Apo3L)-TRAMP, TRAIL(Apo2L)-TRAIL-R1 and TRADD-DR6. TNF-related apoptosis-inducing ligand (TRAIL). This ligand-receptor binding interaction activate the cytoplasmic domain, consequently recruit and activates extrinsic pathway initiator caspases such as caspase -8 and caspase 10.

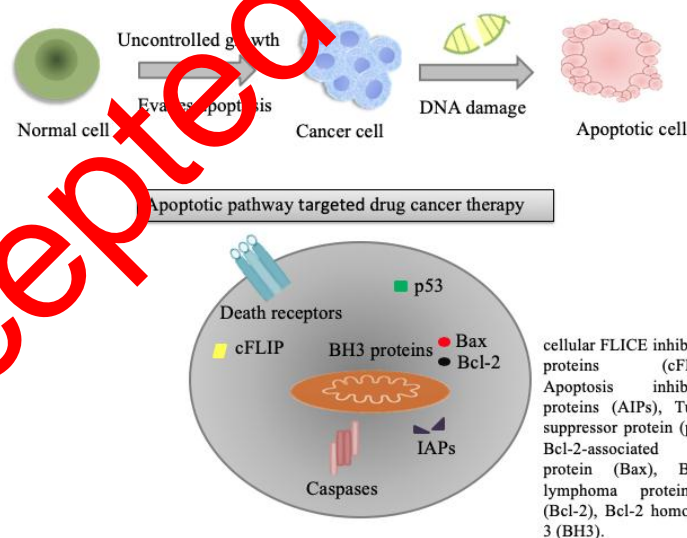


Figure 5: Apoptotic pathway targeted drug therapy Apoptotic pathways targeted strategies such as death receptors, antiapoptotic Bcl-2 family, IAPs, caspases and p53 showed positive results in previous studies need to be investigate more to get effective therapeutics.