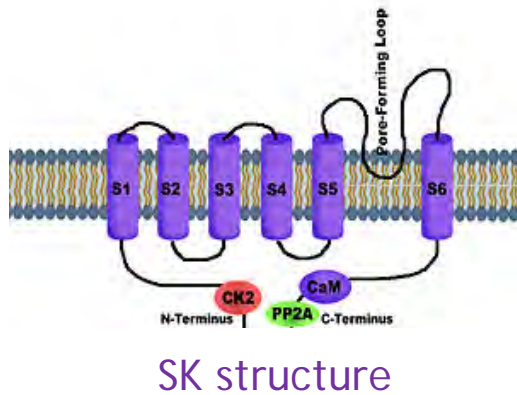
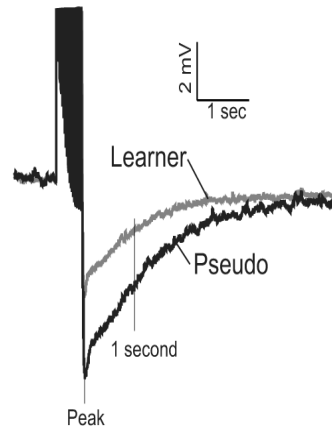


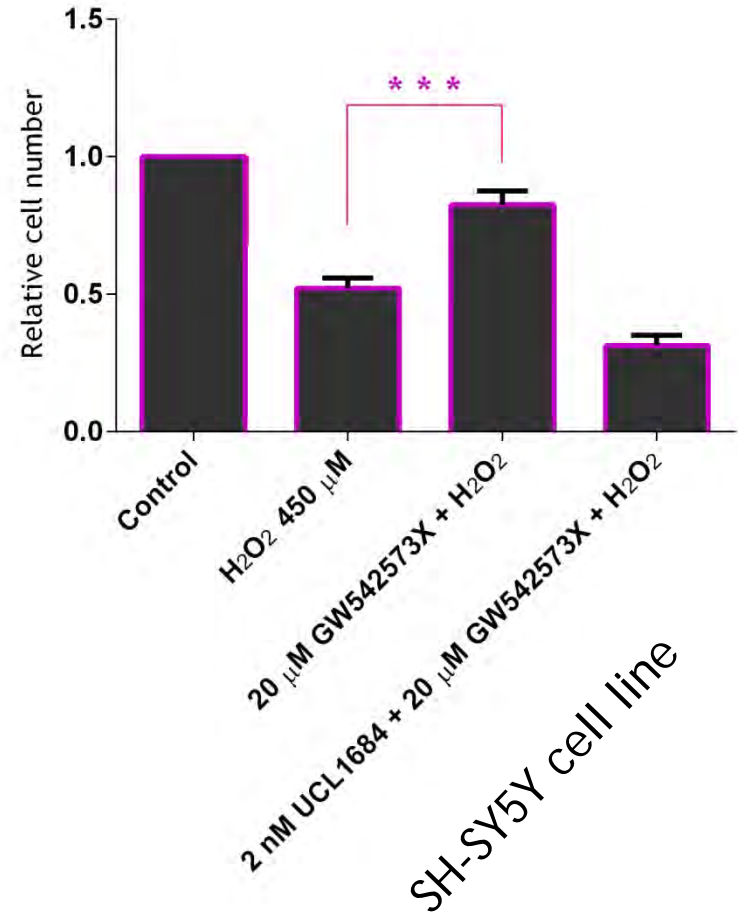
P01 A putative role for SK channels in neuronal death and neuroprotection



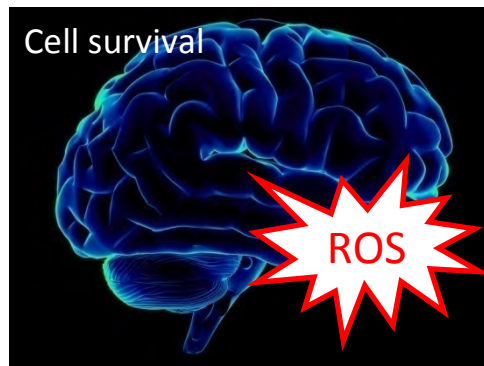
Traditional view
"off" switch








AHP and dendritic excitability



Emerging view
life or death decisions in cells
"On" or "off" switch ?



Current Headlines and Future Prospects

Species	Cell types	SK subunit message				SK activators	Protection by SK activators
Human	Undifferentiated SH-SY5Y	SK1		SK3		GW542573X (SK1)	
	Differentiated SH-SY5Y	SK1		SK3		CYPPA (SK2 and SK3)	
	MOG-G-UVW				SK4	NS309 (SK4)	
Mouse	STHdh Q7/7 (Wild type)	SK1		SK3	SK4	CYPPA (SK2 and SK3)	
	STHdh Q7/111 (Mutant)		SK2				
	STHdh Q111/111 (Mutant)	SK1			SK4		Not tested