

tab.3. Cell-signalling in suicide

SYSTEM ELEMENT			CHANGE	LOCATION
Adenylate cyclase	Protein kinase A	Enzyme activity	decreased	PFC, HIP
		Enzyme subunits RII β , C β levels	decreased	PFC, <i>adult suicides</i>
		Enzyme subunits RI α , RI β levels	decreased	PFC, <i>teenage suicides</i>
		Enzyme substrate Rap-1	reduced activation	PFC, HIP
	Second messenger	cAMP level	increased	FC, CN
	cAMP effector	Epac-2 level	increased	PFC, HIP
		CREB level	decreased	PFC, HIP
			increased	PFC, <i>antidepressants-free subjects</i>
			increased density of CREB stained cells	AN
Phospholipase C	Protein kinase C	Enzyme activity	decreased	PFC, HIP, <i>teenage suicides</i>
		Enzyme substrate MARCKS	increased concentration, decreased phosphorylation	PFC, HIP
	Second messenger	IP3 level	increased	HIP, CN
Cytokines	Interleukins	IL-1 β level	increased	FC, teenage suicide
		IL-3 level	increased	FC, <i>female suicides</i>
		IL-4 level	increased	FC, <i>female suicides</i>
		IL-6 level	increased	FC, teenage suicide
		IL-13 level	increased	FC, <i>male suicides</i>
	TNF-Family	TNF- α level	increased	FC, teenage suicide