

**Lu&Tucciarone-NN-Supplementary Table 1**

**Table1. Kinetics of uIPSC in PCs innervated by ChCs and PVBCs in PL upper layers.**

Type	n	Amplitude (pA)		Rising ( $\mu$ s)		Decay (ms)		Latency ( $\mu$ s)	
		mean	sem	mean	sem	mean	sem	mean	sem
ChC→PC	36	31.6	3.4	430	27	3.04	0.11	933	52
PVBC→PC	31	77.9	15.3	420	29	2.68	0.19	681	32
<i>p</i>		**		0.68		0.015, *		***	

The membrane potential of PCs were held at -75 mV under voltage-clamping; samples with 10-20 M $\Omega$  series resistance were included, and all recordings with 85-95% compensation. *Rising*: the time from 10% to 90% of IPSC amplitude in the rising phase; *Decay*: time from 90% to 37% of the IPSC amplitude in the decay phase; *Latency*: from the peak of presynaptic APs or stimulation artifacts to the onset of IPSC (10% of peak in the rising phase). Data presented by mean  $\pm$  s.e.m..

Mann-Whitney test: \*:  $p < 0.05$ ; \*\*:  $p < 0.01$ ; \*\*\*,  $p < 0.001$ .