

## Supplementary Table

**Supplementary Table 1:** The interaction between length of exposure and different treatments in the hippocampus and striatum of rats were identified using two-way repeat measure ANOVA. DF<sub>n</sub> is the degree of freedom for the numerator of the F ratio, and DF<sub>d</sub> is for the denominator. A p-value of < 0.05 was considered significant: \* indicates p < 0.05, \*\* indicates p < 0.01, \*\*\* indicates p < 0.001, \*\*\*\* indicates p < 0.0001 vs. controls.

		Hippocampus		Striatum	
		F(DF <sub>n</sub> ,DF <sub>d</sub> ) p value	Significant	F(DF <sub>n</sub> ,DF <sub>d</sub> ) p value	Significant
qRT-PCR	GSK-3 $\beta$	F (3,85) = 6.869 p = 0.0003	***	F (3,44) = 3.028 p = 0.0393	*
	PP2A	F (3,85) = 12.28 p < 0.0001	****	F (3,44) = 5.611 p = 0.0024	**
	BACE1	F (3,85) = 4.797 p = 0.0039	**	F (3,44) = 2.616 p = 0.0628	NA
Western-blot	p-Tau (Thr231)	F (3,24) = 3.724 p = 0.0245	*	F (3,24) = 0.5852 p = 0.6305	NA
	p-Tau (Ser396)	F (3,16) = 7.524 p = 0.0023	**	F (3,16) = 6.457 p = 0.0045	**
	p-Tau (Ser404)	F (3,20) = 1.054 p = 0.3906	NA	F (3,20) = 1.704 p = 0.1983	NA
	GSK-3 $\beta$	F (3,24) = 6.484 p = 0.0023	**	F (3,24) = 4.225 p = 0.0156	*
	p-GSK-3 $\beta$ (Ser9)	F (3,24) = 2.299 p = 0.1029	NA	F (3,24) = 3.105 p = 0.0455	*
	PP2A	F (3,24) = 2.121 p = 0.1240	NA	F (3,24) = 4.637 p = 0.0108	*
Immunohistochemistry	A $\beta$	F (3,44) = 1.864 p = 0.1497	NA	F (3,44) = 39.40 p < 0.0001	****
	T-Tau	F (3,44) = 24.68 p < 0.0001	****	F (3,44) = 8.201 p = 0.0002	***
	NMDAR1	F (3,44) = 13.61 p < 0.0001	****	F (3,44) = 39.50 p < 0.0001	****
	NMDAR2B	F (3,44) = 42.50 p < 0.0001	****	F (3,44) = 51.59 p < 0.0001	****

NA: No statistical significance.