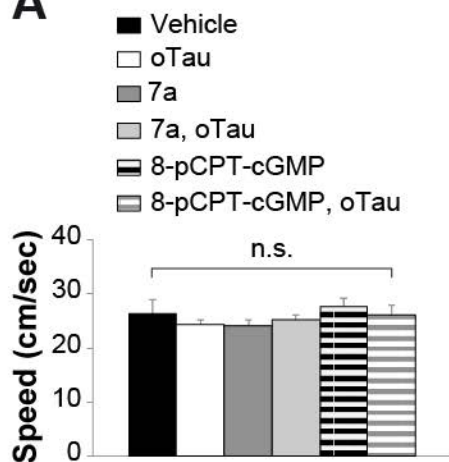
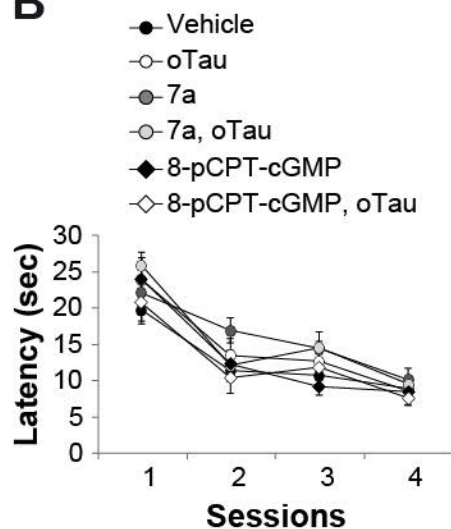
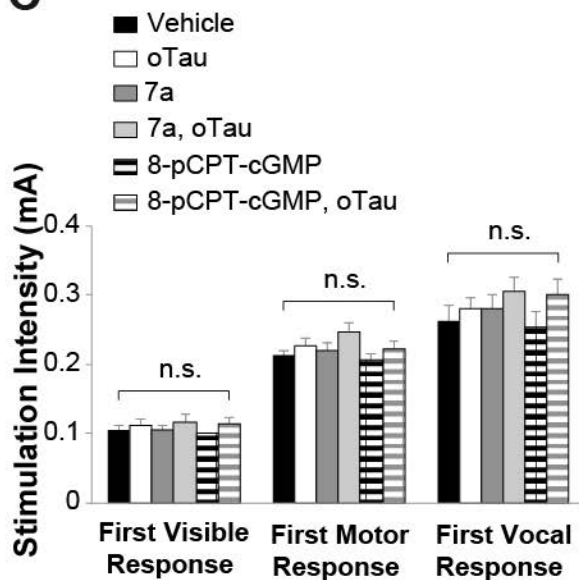
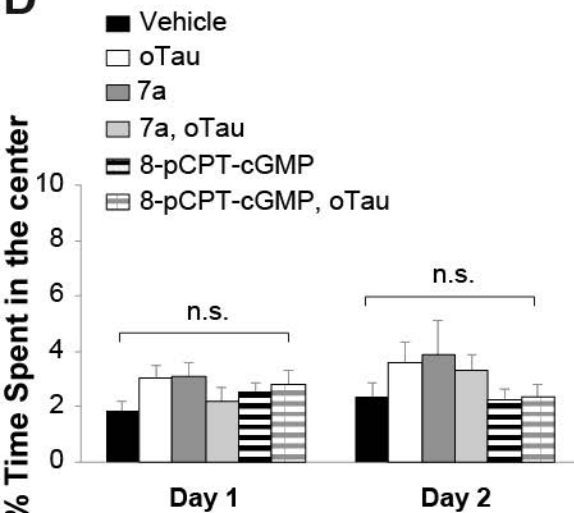
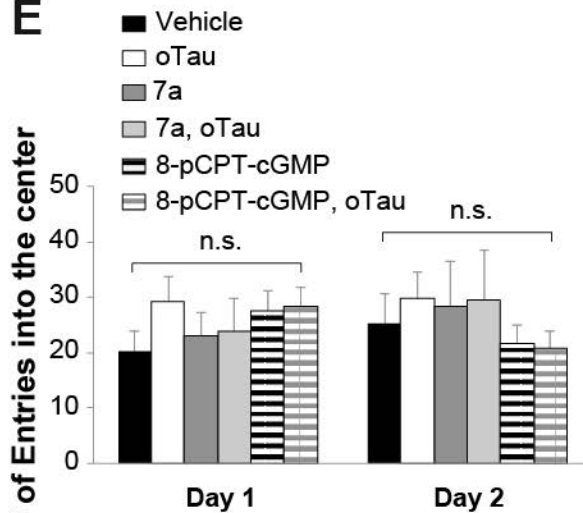


A**B****C****D****E**

Additional File 1 - cGMP elevation does not influence motor, visible or exploratory behavior in mice treated with oTau. A-B) Testing with the visible platform task for assessment of visual-motor-motivational deficits for animals shown in Figure 7A did not reveal any difference in average speed (ANOVA: $F_{(5,83)}=0.570$, $p=0.723$) (A) and time to reach the visible platform (ANOVA for repeated measures: $F_{(5,83)}=1.243$, $p=0.297$) (B) among the six groups. Vehicle: $n=15$, 8 males, 7 females, oTau: $n=17$, 9 males, 8 females, oTau+7a: $n=16$, 8 males, 8 females, oTau+8-pCPT-cGMP: $n=14$, 7 males, 7 females, 7a: $n=14$, 7 males, 7 females, 8-pCPT-cGMP: $n=13$, 6 males, 7 females. **C)** No difference was detected among the groups in Figure 7B,C during assessment of the sensory threshold. ANOVA among all: for visible response $F_{(5,83)}=0.683$, $p=0.637$; for motor response $F_{(5,83)}=1.756$, $p=0.131$ and for audible response $F_{(5,83)}=0.933$, $p=0.464$. Vehicle: $n=16$, 8 males, 8 females, oTau: $n=14$, 7 males, 7 females, oTau+7a: $n=17$, 9 males, 8 females, oTau+8-pCPT-cGMP: $n=14$, 7 males, 7 females, 7a: $n=15$, 8 males, 7 females, 8-pCPT-cGMP: $n=13$, 6 males, 7 females. **D-E)** Open field testing showed a similar percentage of time spent in the center compartment ($F_{(5,83)}=7.037$, $p=0.407$) (D) and the number of entries into the center compartment ($F_{(5,81)}=0.297$, $p=0.850$) (E) among all conditions at day 2, indicating no differences in exploratory behavior. Vehicle: $n=15$, 8 males, 7 females, oTau: $n=16$, 8 males, 8 females, oTau+7a: $n=17$, 8 males, 9 females, oTau+8-pCPT-cGMP: $n=14$, 7 males, 7 females, 7a: $n=12$, 6 males, 6 females, 8-pCPT-cGMP: $n=13$, 7 males, 6 females.