

neurotransmission.

Results: Adolescent Alcohol Consumption



Conclusions

Adolescent mice consumed alcohol similar to previous experiments (Salling et al. 2018).

Following IA EtOH, mice did not demonstrate changes \bullet in locomotor activity in EPM, open field, or NORT. We did not detect differences in anxiety measures (Center Time, EPM Open Arms). NORT2/4 and Y-maze experiments are complete, but not fully analyzed. We successfully expanded brain tissue using the Magnify protocol and were able to observe perineuronal nets. Immunohistochemistry and morphological analyses of expanded tissue are currently being tested.

Objective

Use a mouse model of binge-like

alcohol consumption during adolescence to assess if there are structural changes in neurons projecting from the PFC to the MDT that are associated with behavioral deficits

Hypothesis

We hypothesized that mice given access to alcohol during neurons that is associated with

Mice demonstrated higher preference for the alcohol bottle and escalation of alcohol consumption during adolescence

Results: Behavioral Analyses



Future Directions

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