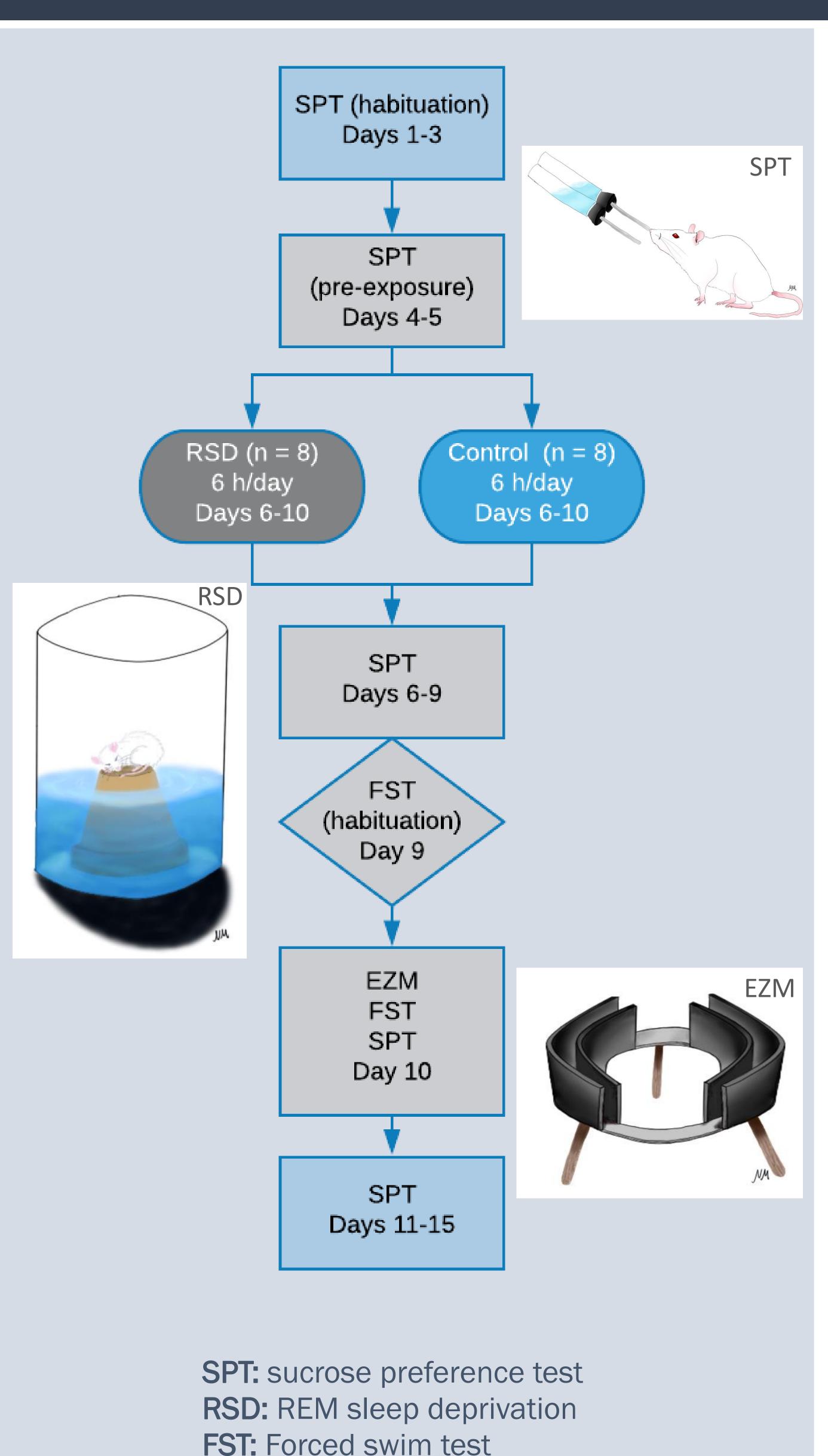


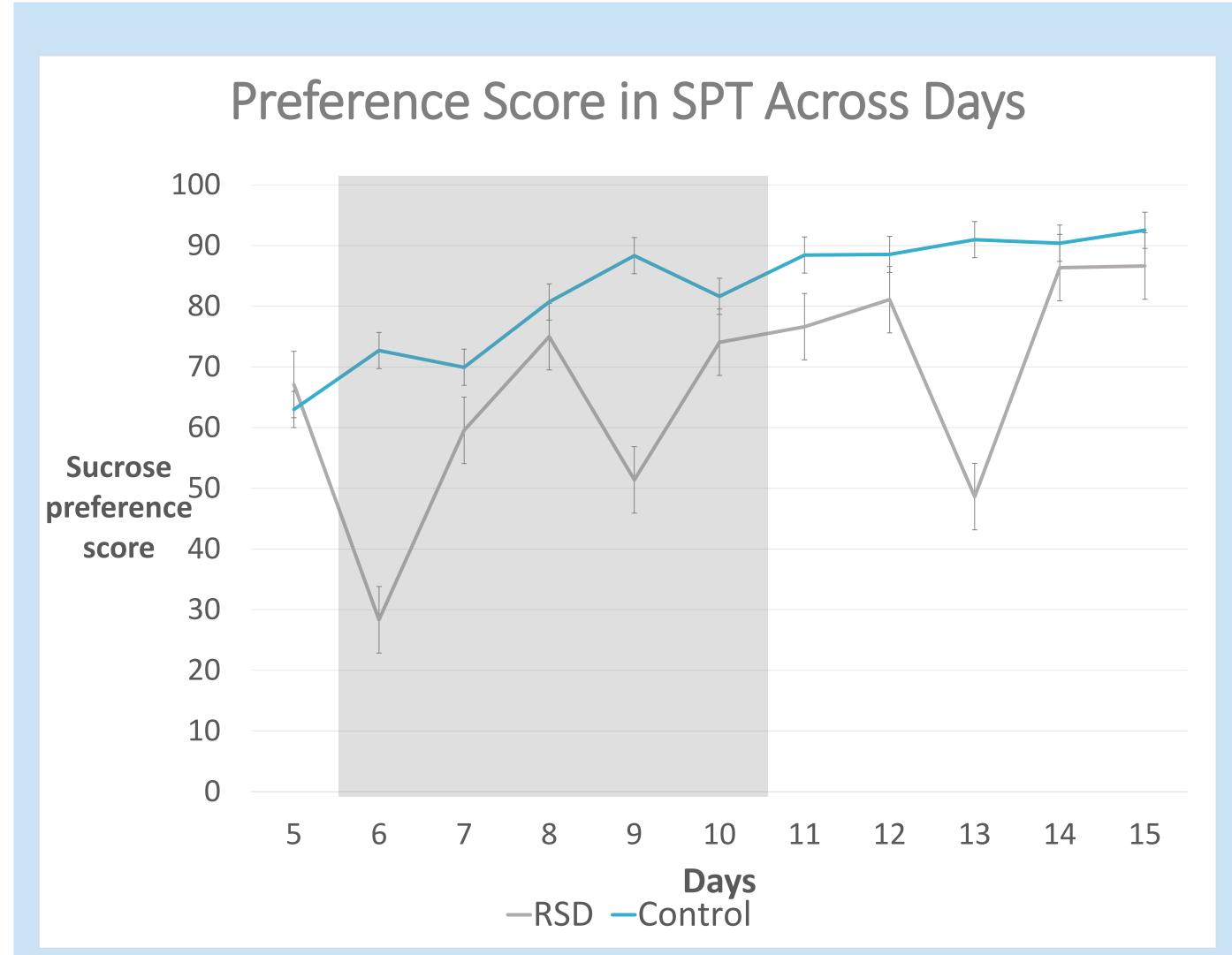
Assessing the effects of short-term REM sleep deprivation on anxiety- and depressive-like behaviors in male rats



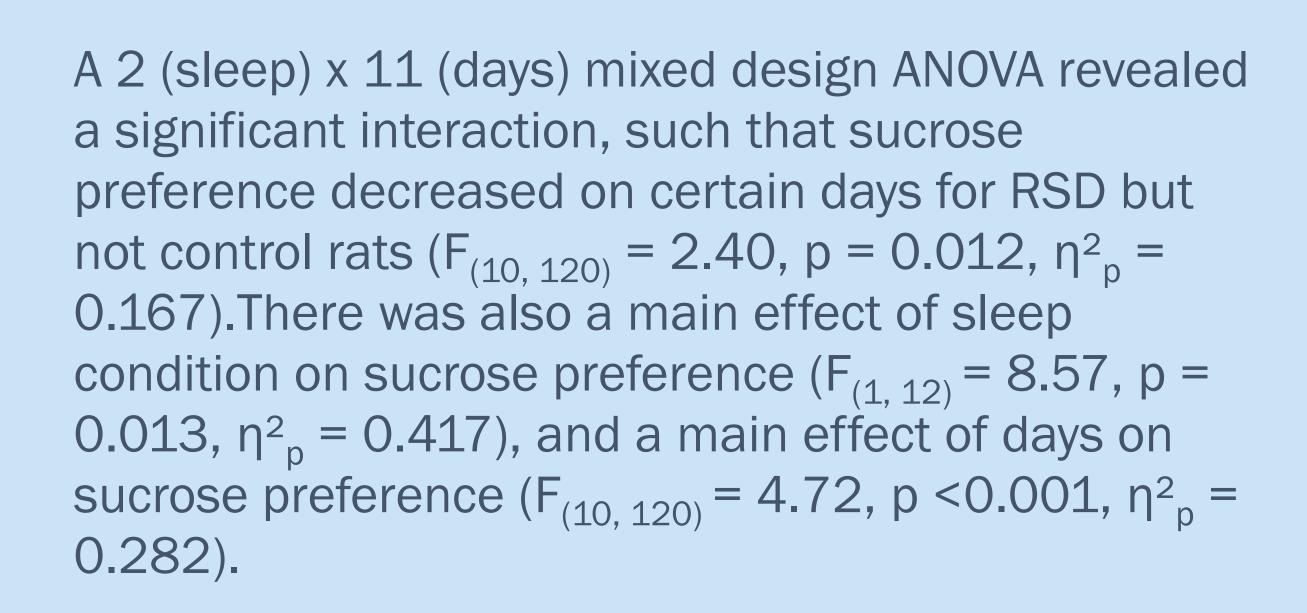
Short-term REM sleep deprivation produced depressive-like but not anxiety-like behaviors in male rats.



EZM: Elevated zero maze









An independent samples t-test found no significant differences between RSD and control rats for **time in closed area**, t(14) = 0.078, p = 0.939; **head dips**, t(14) = -0.66, p = 0.519; **stretch-attend postures**, t(14) = -0.618, p = 0.547; and **start latency**, t(12) = 0.27, p = 0.789.

DISCUSSION: There were no significant effects of short-term RSD on anxiety-like behaviors in male rats, as measured by the EZM. Although there was an overall increase in sucrose preference across days, sucrose preference fluctuated in RSD rats, suggesting transient increases in depressive-like behaviors. These findings are similar to past research (Gonzalez-Castañeda et al., 2016; Wang et al., 2017).