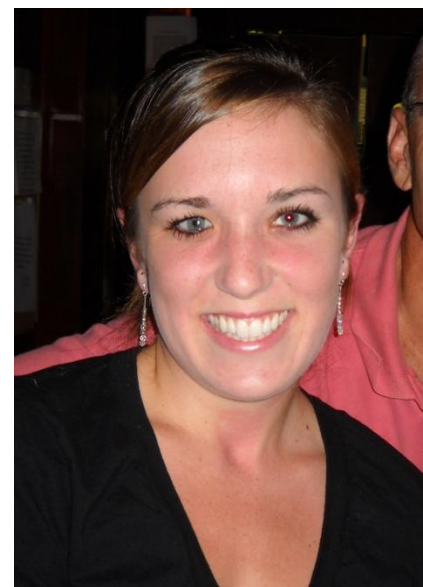


Cholinergic Modulation of Cue-evoked Dopamine Release



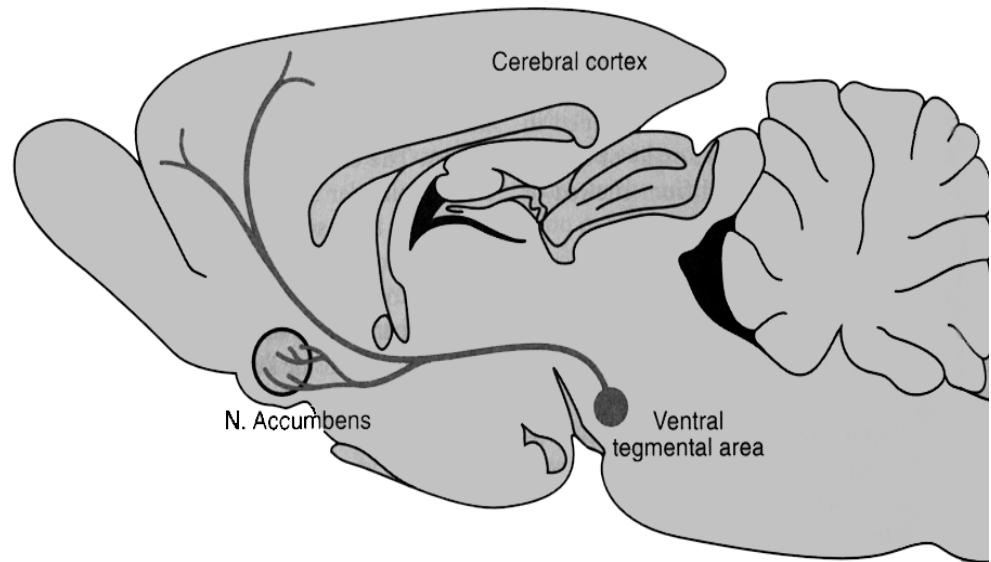
**Faculty Advisor: Dr. R. Mark
Wightman, Department of Chemistry**



**Liza Rathbun
Chemistry, BS**

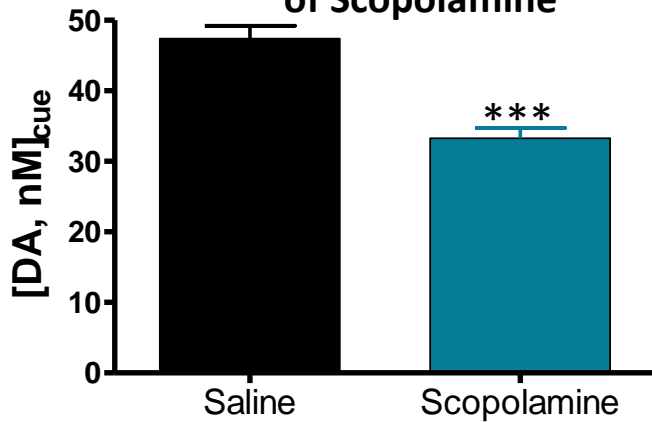
Objective

- To investigate the origin of cue-evoked DA release in the NAc and to assess its role in reward-seeking behavior

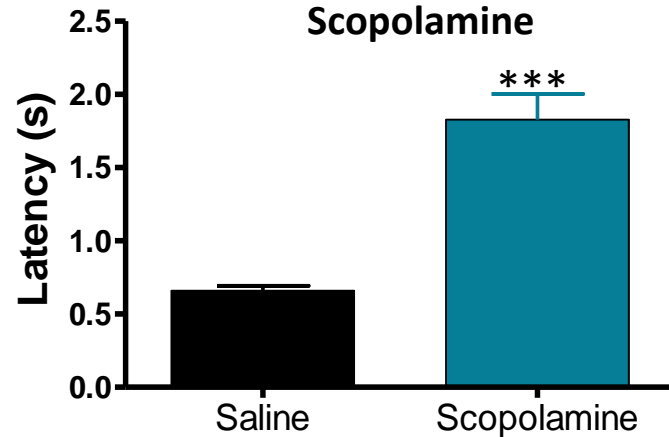


Results

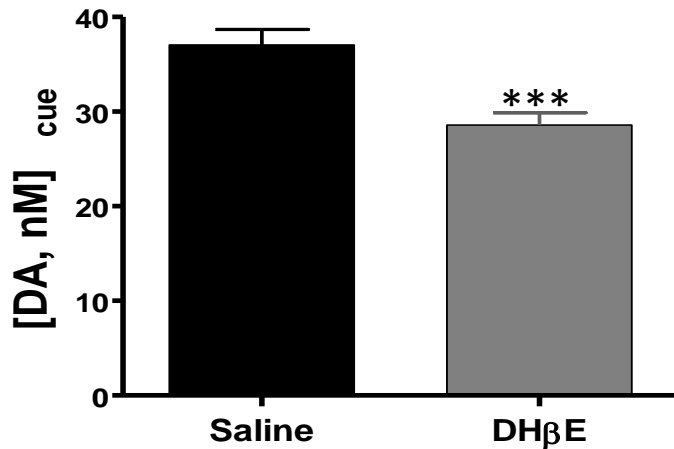
Cue-evoked Dopamine Release is Significantly Attenuated by Intra-VTA Microinjection of Scopolamine



The Latency to Lever Press is Significantly Increased After Intra-VTA Microinjection of Scopolamine



Effect of Intra-VTA Microinjection of DH β E on Cue-Evoked DA Release in the NAC



Effect of Intra-VTA Microinjection of DH β E on the Average Latency to Lever Press

