

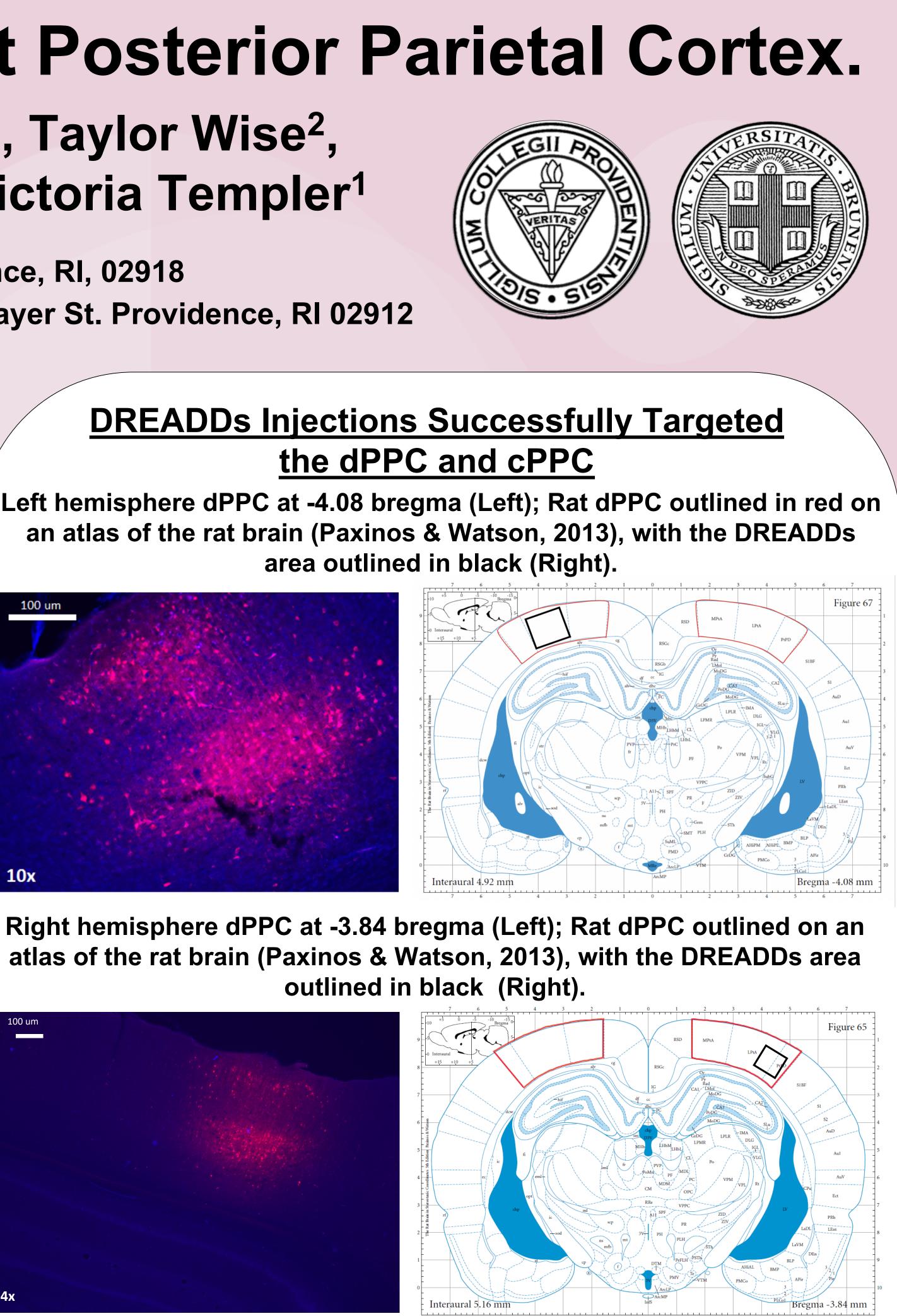
# Creating Permanent and Temporary Inactivations in the Rat Posterior Parietal Cortex. Robert Vera<sup>1</sup>, Carina Alessandro<sup>1</sup>, Colin Call<sup>1</sup>, Emma Halter<sup>1</sup>, Taylor Wise<sup>2</sup>, Victoria Heimer-McGinn<sup>1</sup>, Devon Poeta<sup>2</sup>, Rebecca Burwell<sup>2</sup>, Victoria Templer<sup>1</sup>

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	DV		Injection (μL)	
0	-0.5	-0.95 to - 1.75	0.1	0.1
0	-0.6	-0.95 to - 1.75	0.8	0.5
0	-0.6	-1.0 to - 1.75	0.6	0.4
С	dPPC	cPPC	dPPC	cPPC





- conducted to determine spread.
- improved localized spread.

## **Conclusions and Future Directions**

- of approximately 300-350g.
- cPPC.
- and sociability tasks.

• Fluorescent imaging of the DREADDs virus was

• Results from the first subject show that coordinates accurately target both the dPPC and cPPC, with

• Stereotaxic coordinates for the PPC are shown to be accurate after small adjustments for Long-Evans males

• The majority of previous PPC research has only targeted the dPPC; however, use of refined PPC coordinates will aid in determining the function of both the dPPC and

• We intend to use these advanced temporary inactivation methods in future behavioral analysis, in which rats will be tested on a battery of memory, spatial, attentional,