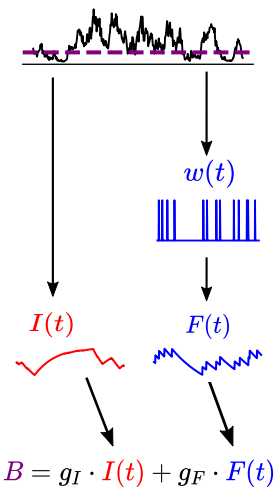


**A**

Odor signal

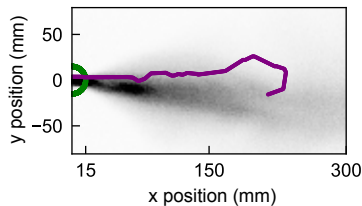


$$P(\text{turn}) \sim \text{Pois}(\lambda)$$

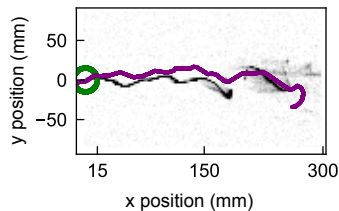
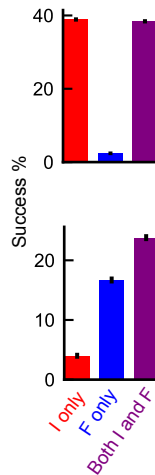
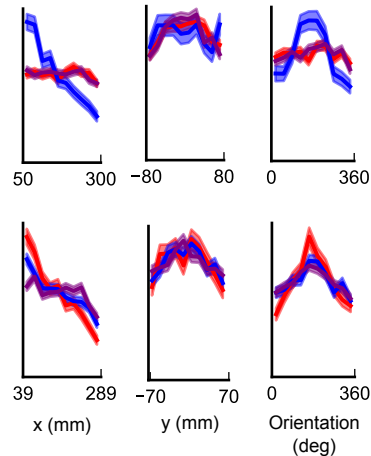
$$P(\text{upwind}|\text{turn}) = \frac{1}{1 + e^{-B}}$$

**B**

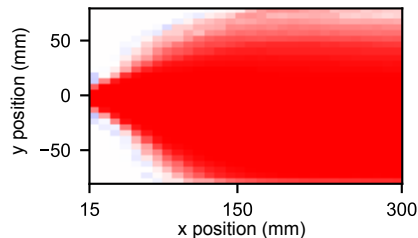
High intermittency plume



High frequency plume

**C****D** $P(\text{Initial condition} | \text{successful})$ **E**

High intermittency plume



High frequency plume

