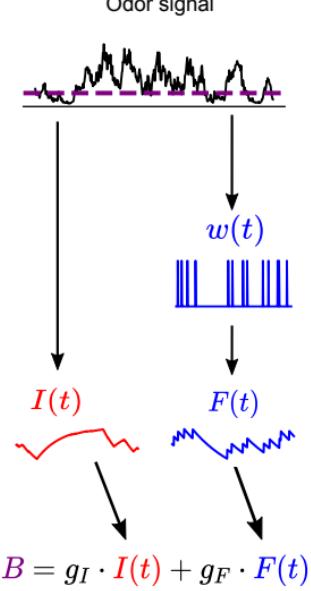


A

Odor signal

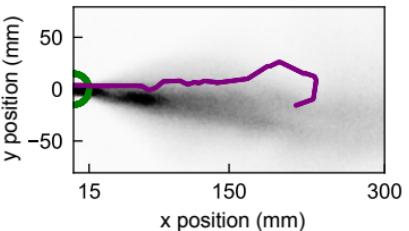


$$P(\text{turn}) \sim \text{Poiss}(\lambda)$$

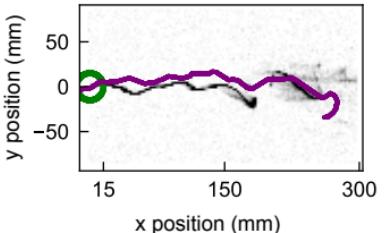
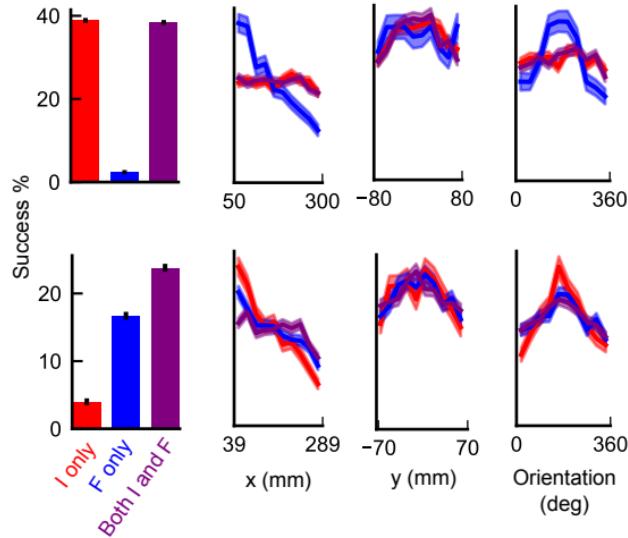
$$P(\text{upwind} | \text{turn}) = \frac{1}{1 + e^{-B}}$$

B

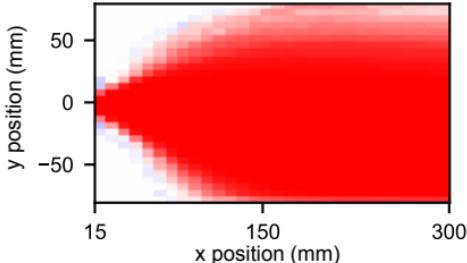
High intermittency plume



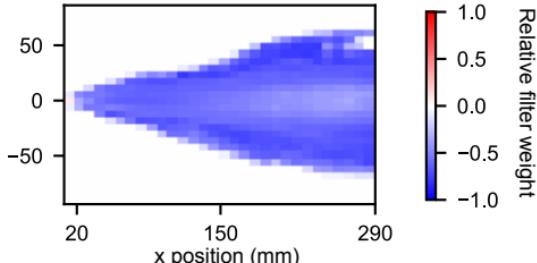
High frequency plume

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

High intermittency plume



High frequency plume



Relative filter weight
1.0
0.5
0.0
-0.5
-1.0