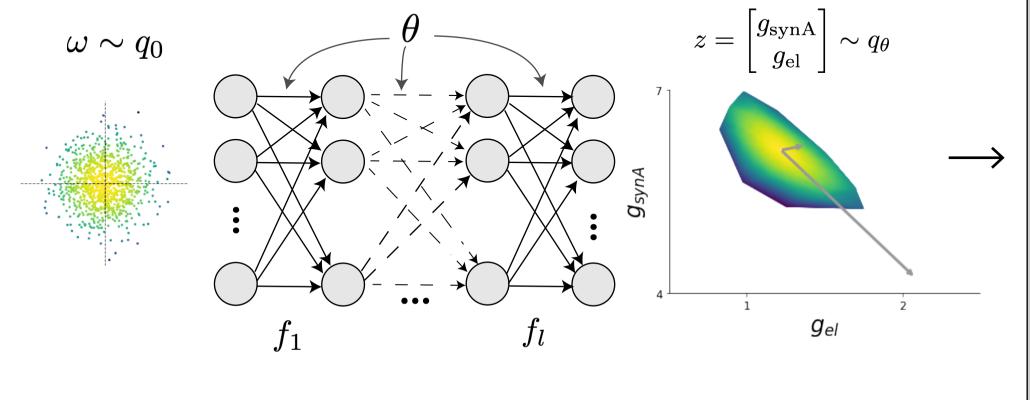
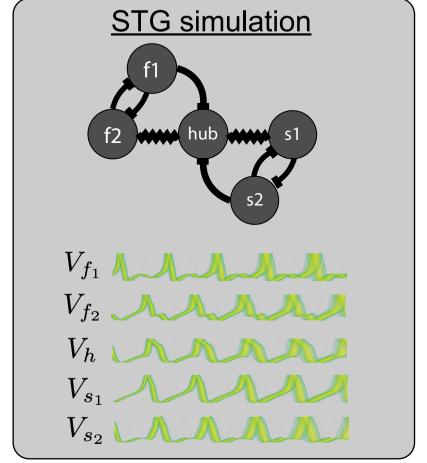


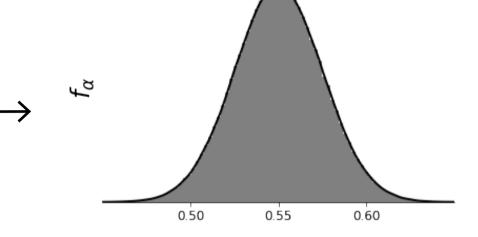
DSN objective

$$q_{\theta}^* = \arg \max_{q_{\theta} \in Q} H(q_{\theta})$$
s.t. $E_{z \sim q_{\theta}} \left[E_{x \sim p(x|z)} \left[T(x) \right] \right] = \mu$

C <u>Example: stomatogastric ganglion (STG)</u>







$$\mathcal{B}: \frac{E_{z \sim q_{\theta}} \left[E_{x \sim p(x|z)} \left[f_{\alpha}(V) \right] \right] = 0.55 \text{Hz}}{E_{z \sim q_{\theta}} \left[Var_{x \sim p(x|z)} \left[\left(f_{\alpha}(V) \right) \right] \right] = 0.025^{2} \text{Hz}^{2}}$$

$$\alpha \in \{ f_{1}, f_{2}, h, s_{1}, s_{2} \}$$