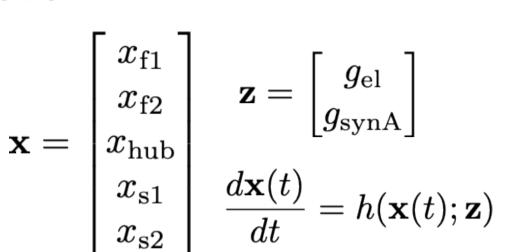
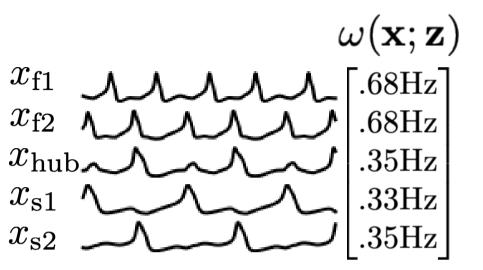
A Biological model: STG STG g_{el} g_{el}

 $g_{
m syn}$ A



Emergent property statistic: spiking frequency



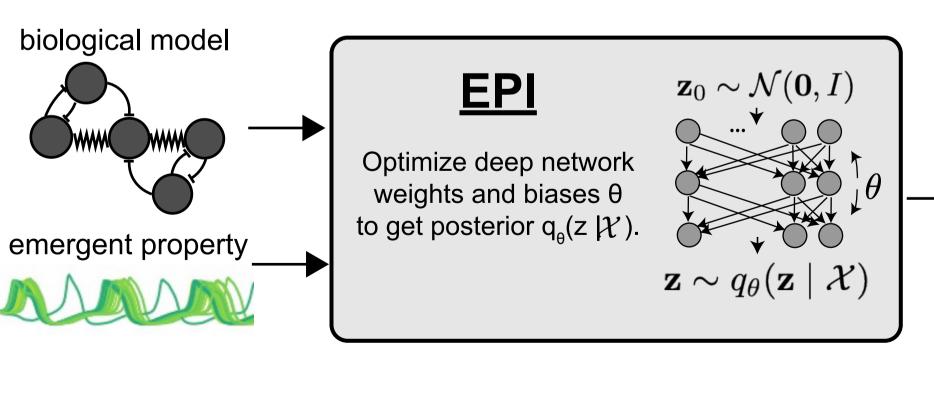
Emergent property: intermediate hub frequency

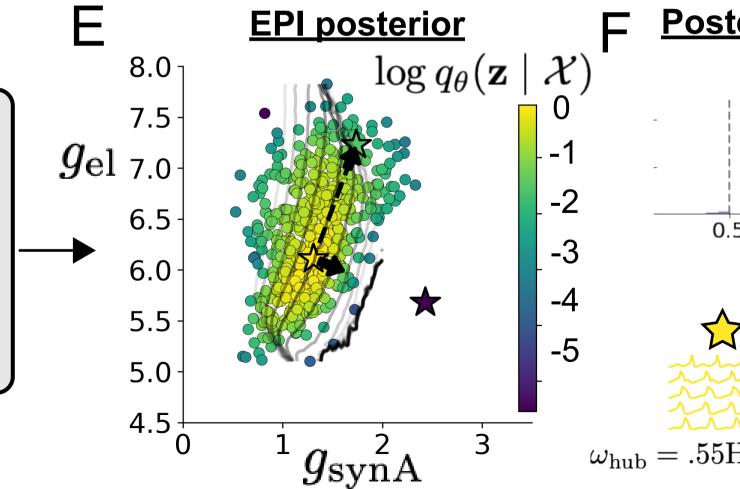
$$\mathbb{E}_{\mathbf{z},\mathbf{x}} \left[\omega_{\mathrm{hub}}(\mathbf{x}; \mathbf{z}) \right] = 0.55 \mathrm{Hz}$$

$$\mathrm{Var}_{\mathbf{z},\mathbf{x}} \left[\omega_{\mathrm{hub}}(\mathbf{x}; \mathbf{z}) \right] = 0.025^{2} \mathrm{Hz}^{2}$$

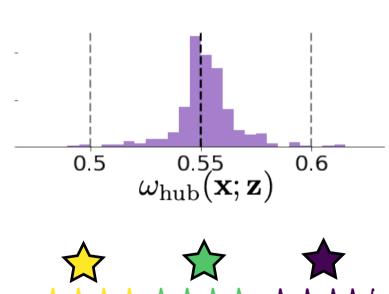


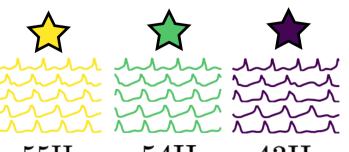






Posterior simulations





 $\nu_{\mathrm{hub}} = .55 \mathrm{Hz}$ $.54 \mathrm{Hz}$ $.43 \mathrm{Hz}$