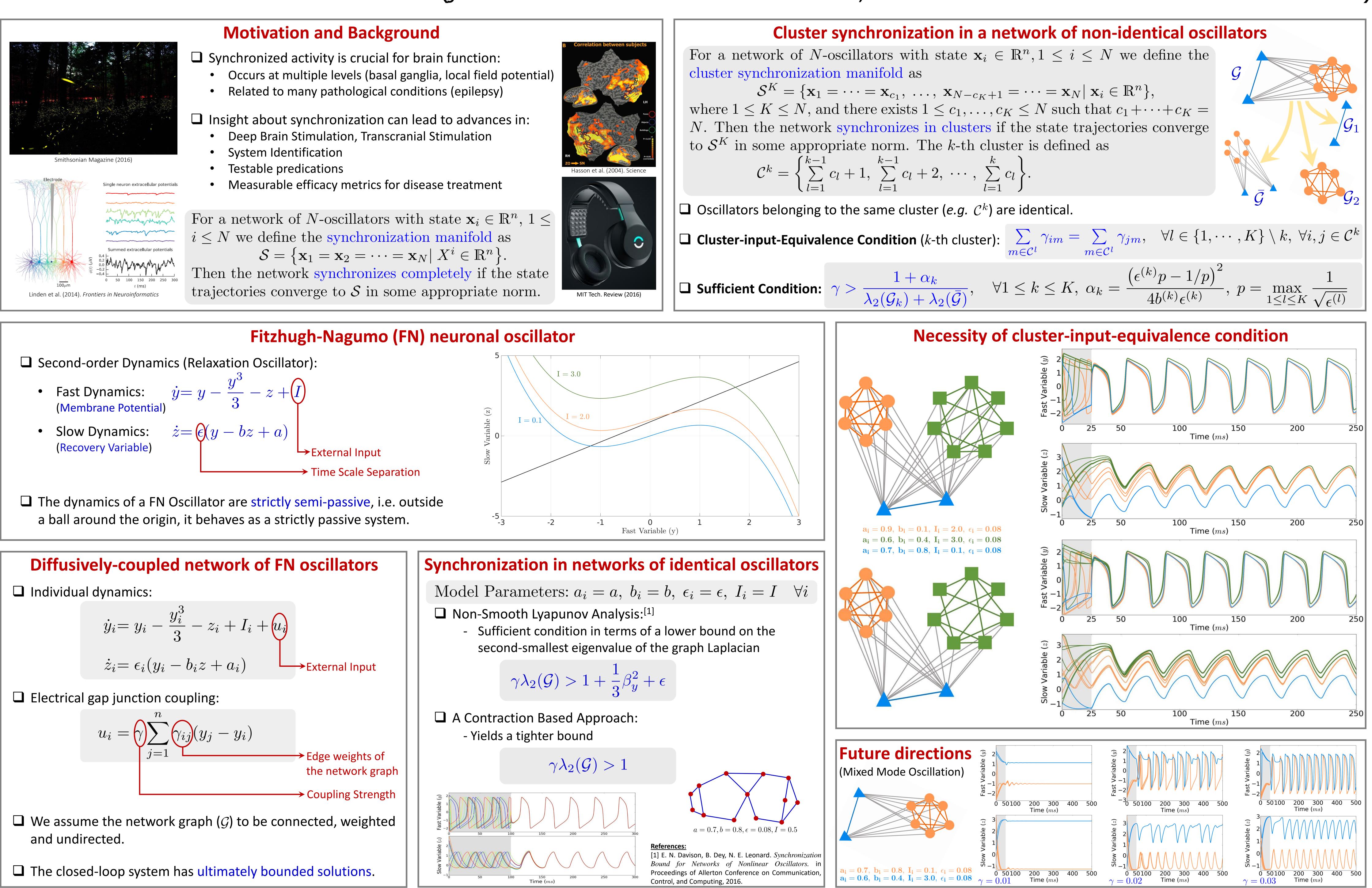
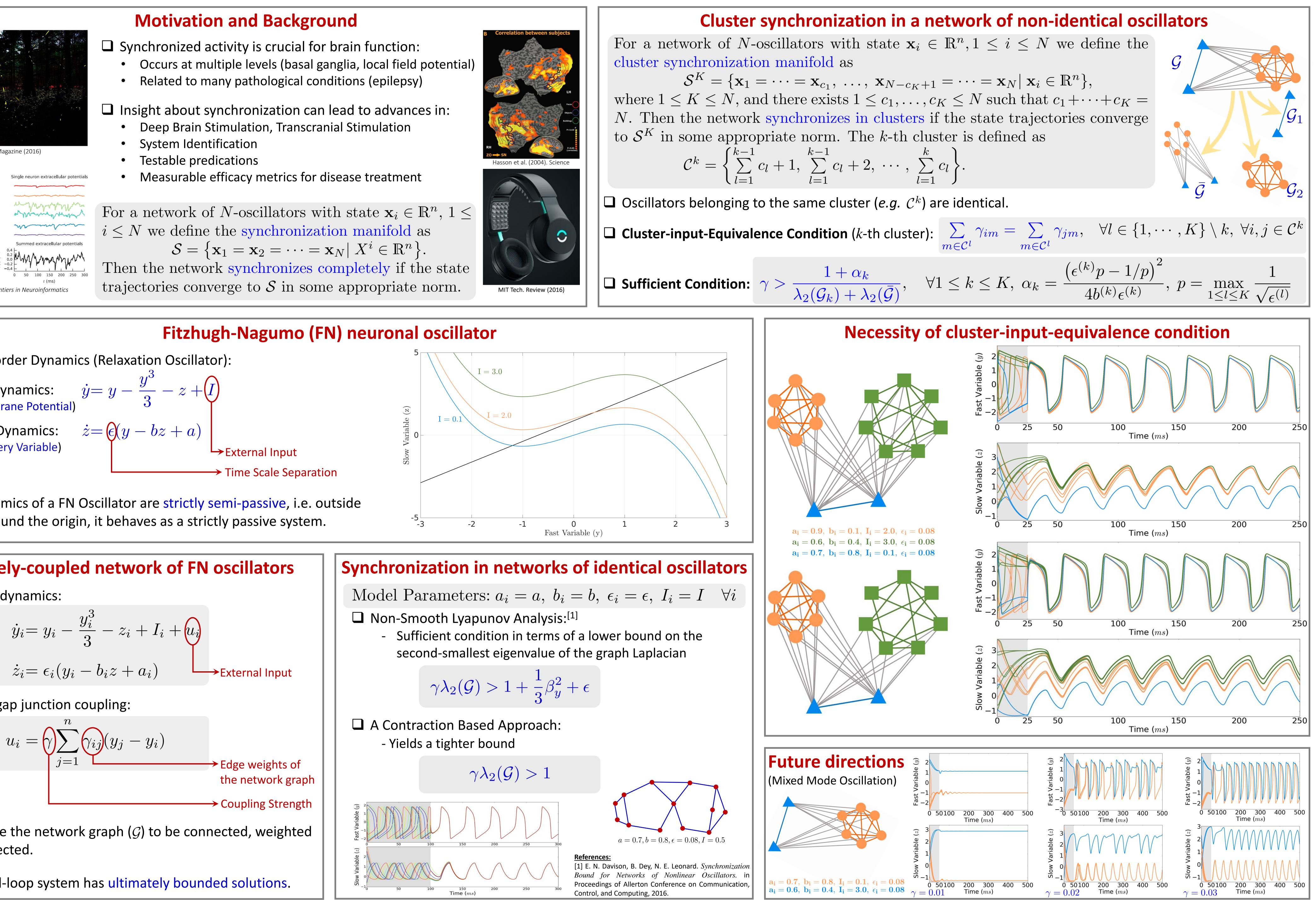


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$$\dot{y}_i = y_i - \frac{y_i}{3} - z_i + I_i + u_i$$
$$\dot{z}_i = \epsilon_i (y_i - b_i z + a_i) \longrightarrow \text{Externa}$$



# Synchronization and Related Phenomena in Networks of **Diffusively-Coupled Fitzhugh-Nagumo Oscillators Biswadip Dey** (joint work with Elizabeth N. Davison, Zahra Aminzare and Naomi Ehrich Leonard)

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$$\mathcal{C}^{k} = \left\{ \sum_{l=1}^{k-1} c_{l} + 1, \sum_{l=1}^{k-1} c_{l} + 2, \cdots, \sum_{l=1}^{k} c_{l} \right\}.$$