Fig. 9. Robustness of the oscillation in network synchrony. The frequency of the network oscillation ($f_0$) was less sensitive to phase heterogeneity ($\sigma_{ph}$) than to frequency ($f_{input}$) of the input. As the input frequency approached the eigen-frequency of the network (48 Hz at $I_{AC}/I_{DC} = 0.3$ and $I_{DC} = 1.4 \mu A/cm^2$), $f_0$ decreased.