



Figure 2. Simulated ISIs under variable external conditions. Representative ISI histograms with all factors kept constant except **(A)** total unit firing rate, **(B)** in cluster-out cluster temporal overlap, and **(C)** confounding neuron count. Total simulation time of 10 minutes. Total unit firing rate for in-out overlap and confound neuron(s) simulations of 11 and 10 Hz respectively. Homogeneous firing assumed outside of in-out overlap simulations. Blue corresponds to the in-cluster or “true” neuron, and red corresponds to the out-cluster or “false” neuron(s). Out-cluster traces in **(B)** not to scale.