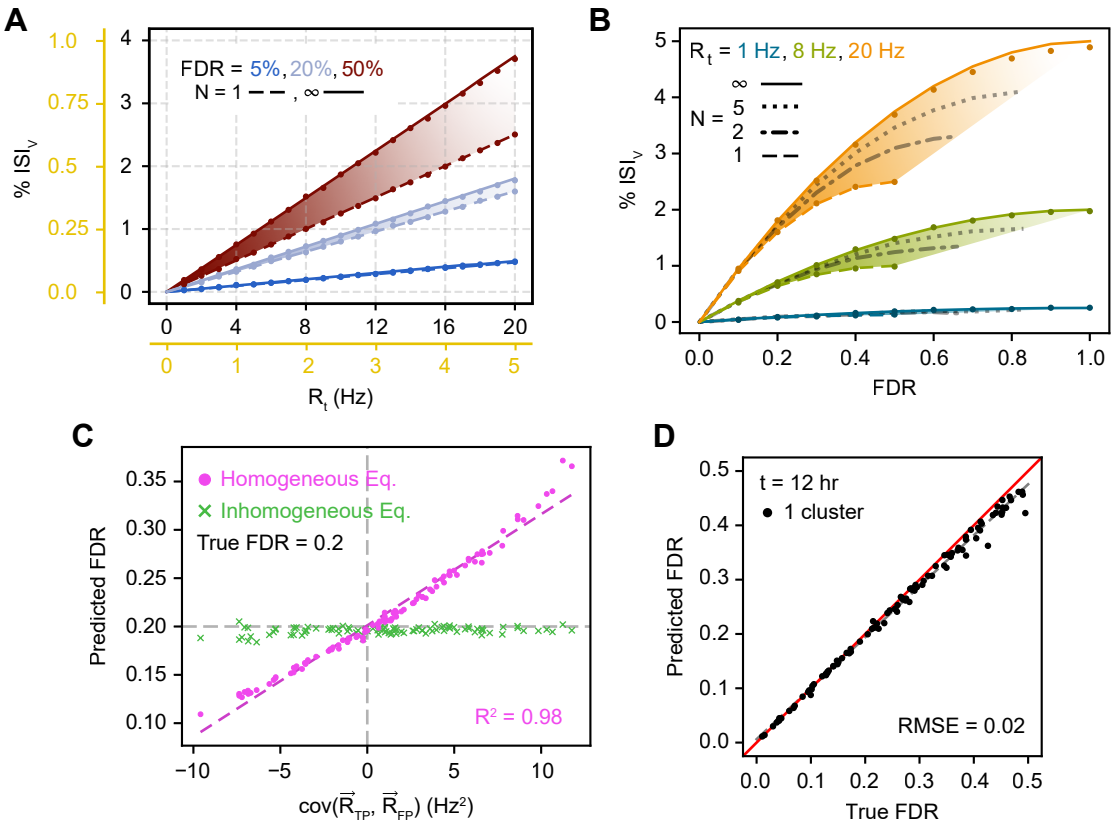

Figure 3 - Relationship between single cluster FDR and observed ISI_v. (***A***) Dependence of ISI_v on total firing rate given varying FDRs and contaminant neuron counts. Lines correspond to analytical predictions; dots correspond to simulation results. Plotted data applies to both primary and gold axes. (***B***) Dependence of ISI_v on FDR given varying firing rates and contaminant neuron counts. Conventions as in (*A*). (***C***) Prediction of FDR from observed ISI_v with temporally inhomogeneous firing rates using either the homogeneous model (**Eq. 8**) or the inhomogeneous model (**Eq. 9**). (***D***) Prediction of FDR from observed ISI_v across a range of physiologically relevant underlying neuronal characteristics (see *Materials and Methods*) for 100 total simulated clusters.