Figure 1. Effects of variable external conditions on observed ISI violations. Blue corresponds to the in-cluster or "true" neuron, and red corresponds to the out-cluster or "false" neuron(s). Overhead dots indicate observed ISI violations. Schematic representation of ISI violation production when the sorted unit has *(A)* a relatively low or high firing rate, *(B)* minimal or significant in-out temporal overlap, and *(C)* one or infinitely many confounding neuron(s). In all cases, underlying FDR between the two cases is the same, while observed % ISI_v varies as a consequence of changes in external conditions.