



S5 Fig. Effect of the input standard deviation, σ , and mean, μ , in synchronization and integration.

A-B) Average phase synchrony \bar{R} measured over the EEG-like signals, and global efficiency E^w computed over the sFC matrices build using the BOLD-like signals. σ and μ reduces the increment of \bar{R} and E^w mediated by α and β . Both coupling parameters change in parallel following the relationship $\beta = 0.5\alpha$. **C-D)** Phase synchrony \bar{R} and global efficiency E^w as a function of α and β , for different σ (left hand) and μ (right hand) values.