Single neuron variance (z-scored) **C** PC variance (z-scored) Single neuron variance original  $\alpha$ =1.04 10<sup>-2</sup> signal variance signal variance 10<sup>0</sup> 10<sup>-2</sup> variance 10<sup>-3</sup>  $\alpha$ =0.92  $\alpha$ =0.60  $\alpha$ =0.11 10<sup>-4</sup> 10<sup>-4</sup> 10<sup>-5</sup> 10<sup>0</sup> 10<sup>0</sup> 10<sup>0</sup>  $10^{2}$ PC dimension neurons neurons