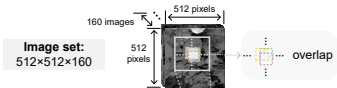


a

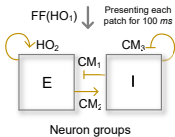


b

Batch size:
100

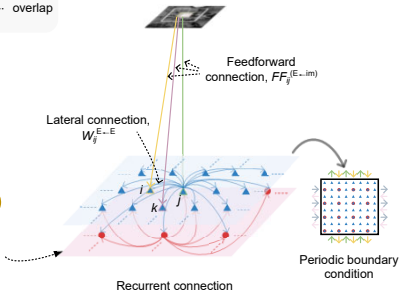
c

Excitatory and inhibitory neurons



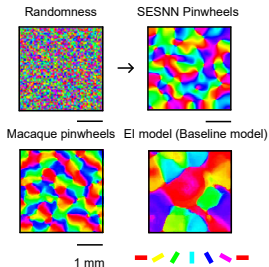
d

Self-evolving spiking neural network



e

Spatial self-organization



▲ E-neuron → Excitatory connection HO rule: $FF^{(E \leftarrow im)}$ and $W^{(E \leftarrow E)}$
 ● I-neuron → Inhibitory connection CM rule: $W^{(I \leftarrow E)}$, $W^{(E \leftarrow I)}$, and $W^{(I \leftarrow I)}$