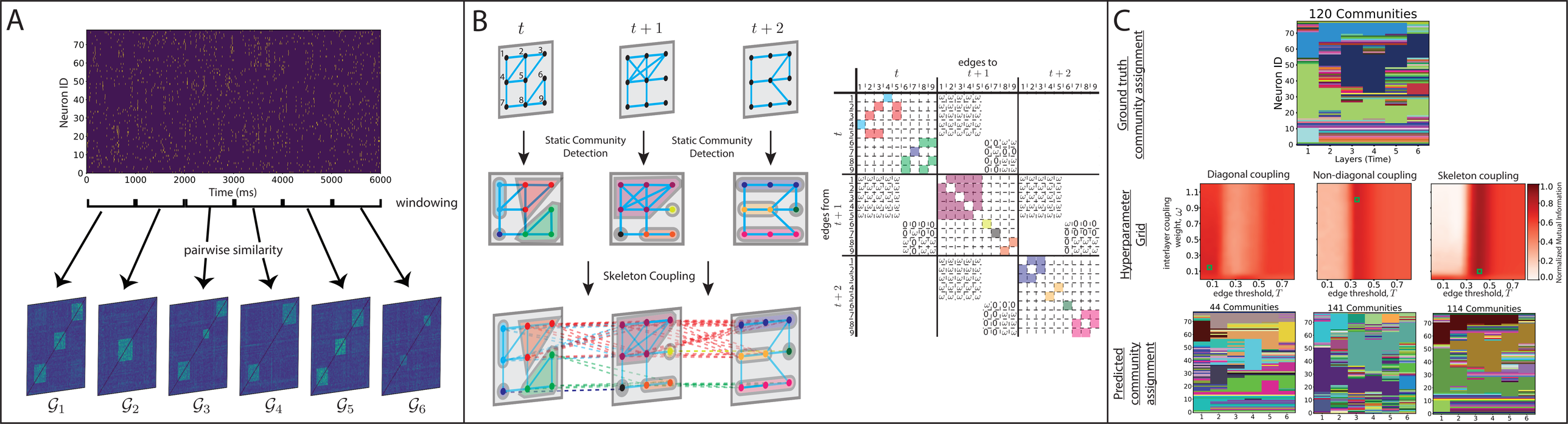
A
Neuron ID
Time (ms)
windowing
pairwise similarity
$\mathcal{G}_1$ $\mathcal{G}_2$ $\mathcal{G}_3$ $\mathcal{G}_4$ $\mathcal{G}_5$ $\mathcal{G}_6$
B
t $t+1$ $t+2$
Static Community Detection
Static Community Detection
Skeleton Coupling
edges to
edges from
C
Ground truth community assignment
120 Communities
Neuron ID
Layers (Time)
Hyperparameter Grid
Diagonal coupling
Non-diagonal coupling
Skeleton coupling
interlayer coupling weight, ω
edge threshold, T
Normalized Mutual Information
Predicted community assignment
44 Communities
141 Communities
114 Communities