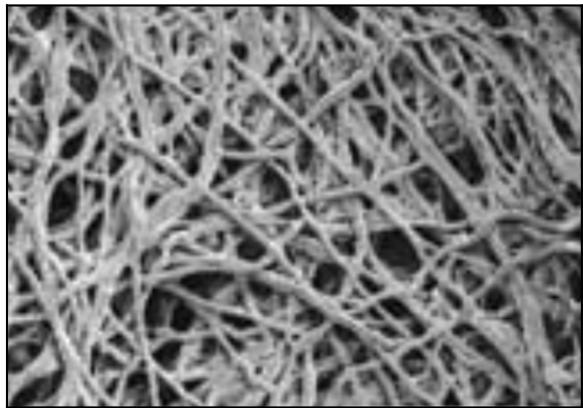
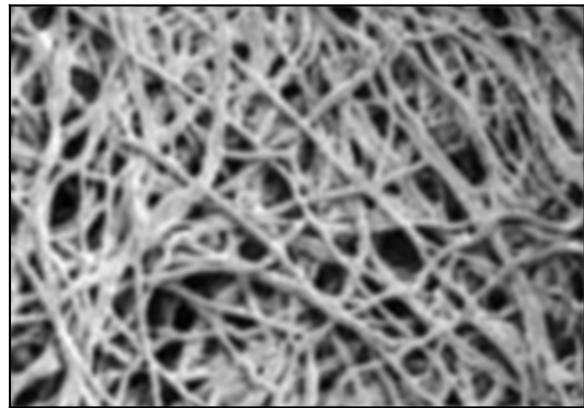


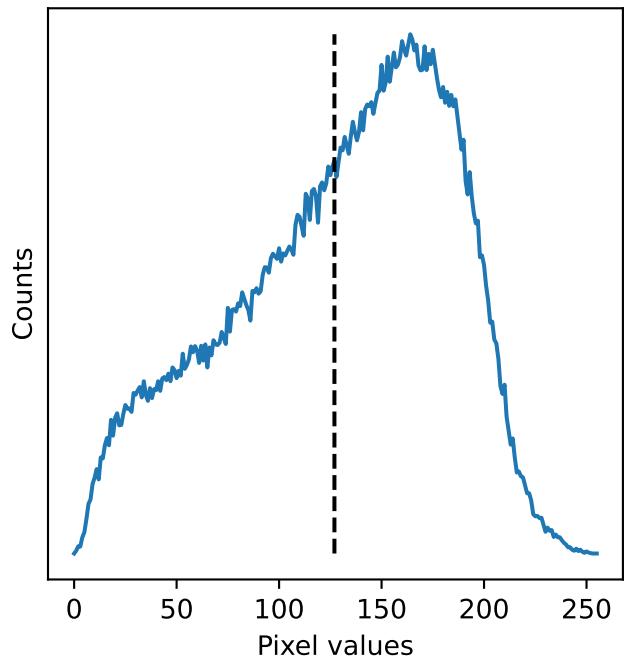
Original Image



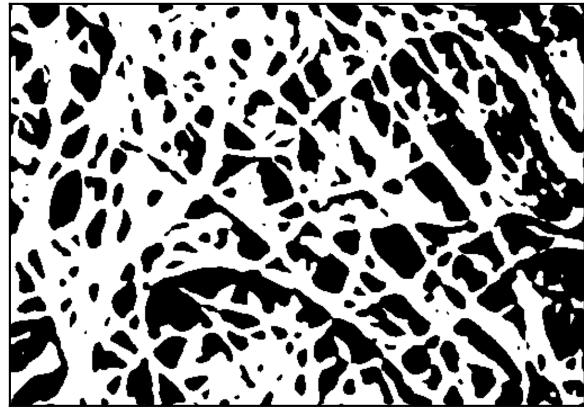
Processed Image



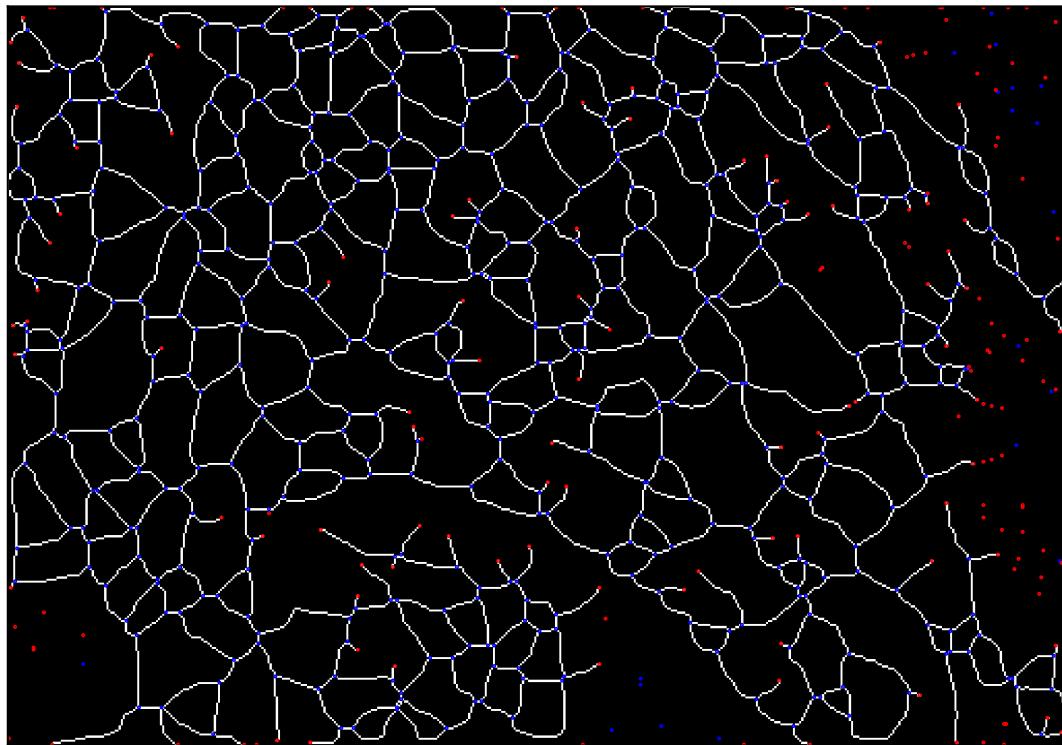
Histogram of Processed Image



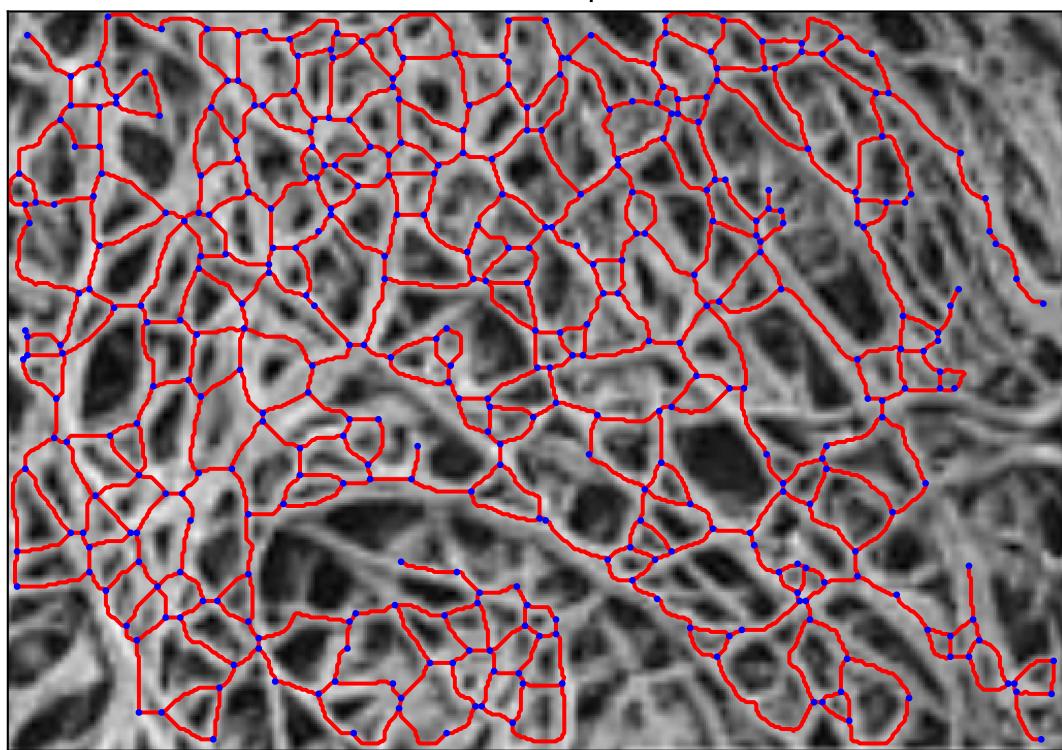
Binary Image



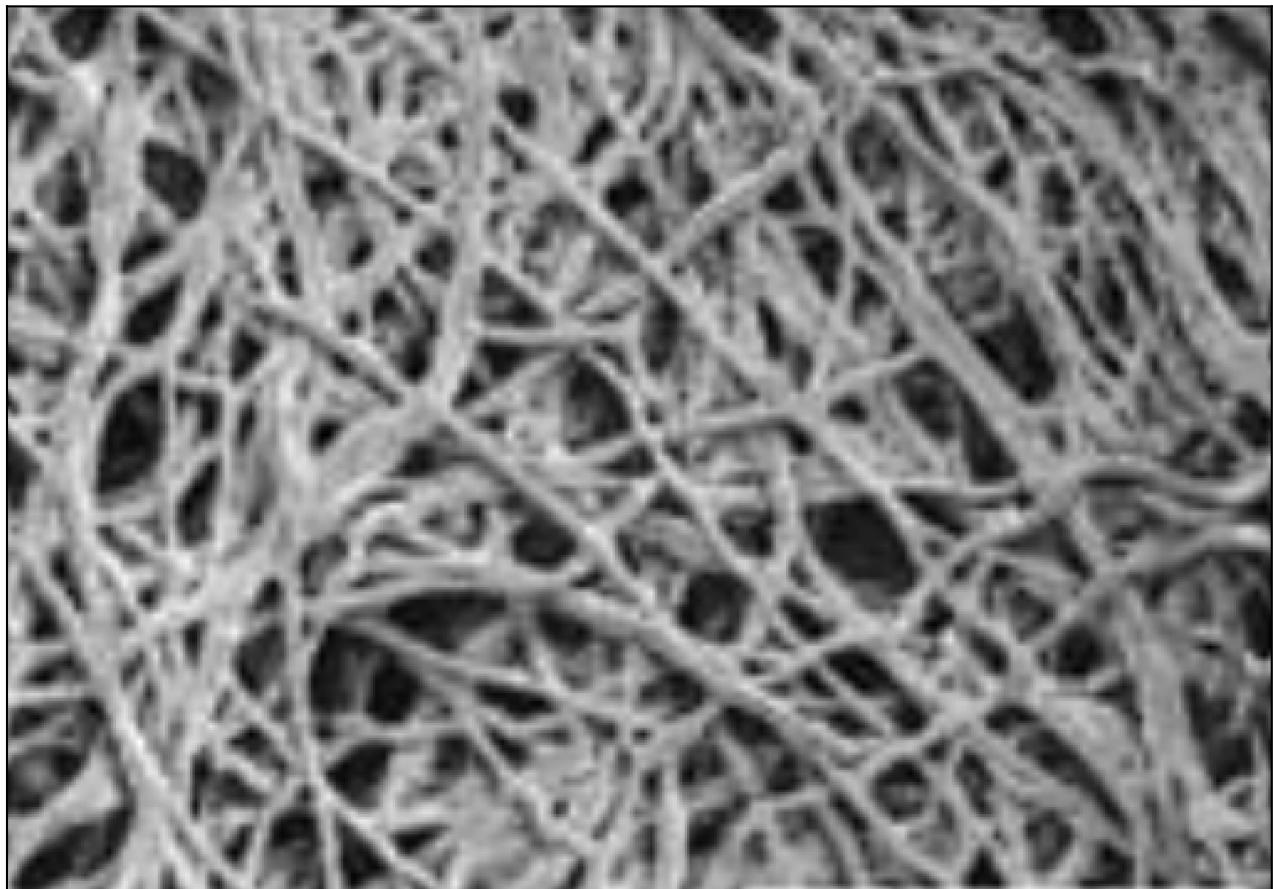
Skeletal Image



Final Graph



## Sub Graphs



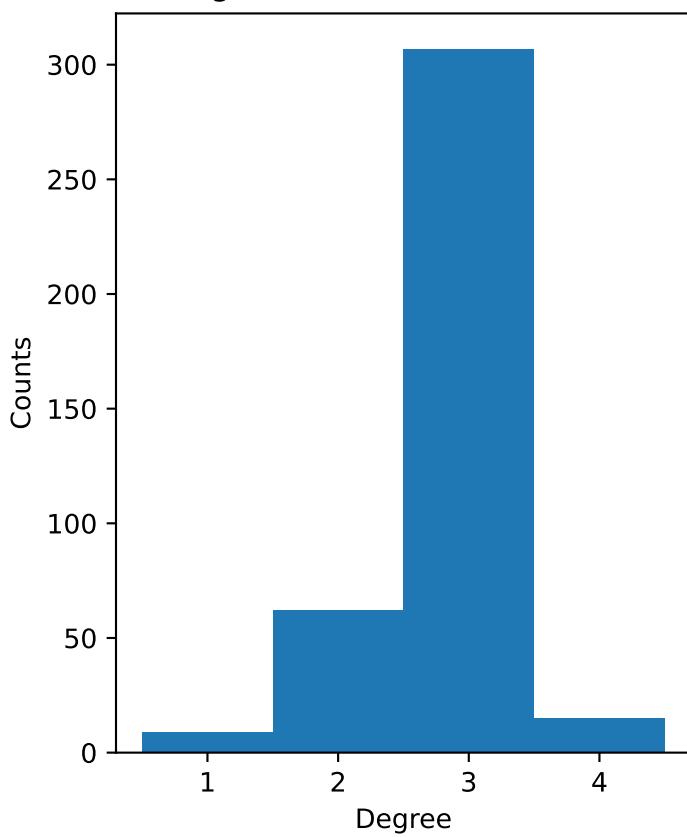
### Unweighted GT parameters

Number of nodes	393
Number of edges	557
Connectedness ratio	0%
Average degree	2.83461
Network diameter	45
Average nodal connectivity	2.31779
Graph density	0.00723
Global efficiency	0.09572
Wiener Index	1205855.0
Assortativity coefficient	0.1307
Average clustering coefficient	0.05386
Average betweenness centrality	0.03748
Average eigenvector centrality	0.02367
Average closeness centrality	0.06597
Graph Conductance (max)	0.04927325710251647
Graph Conductance (min)	0.0006069634663726724

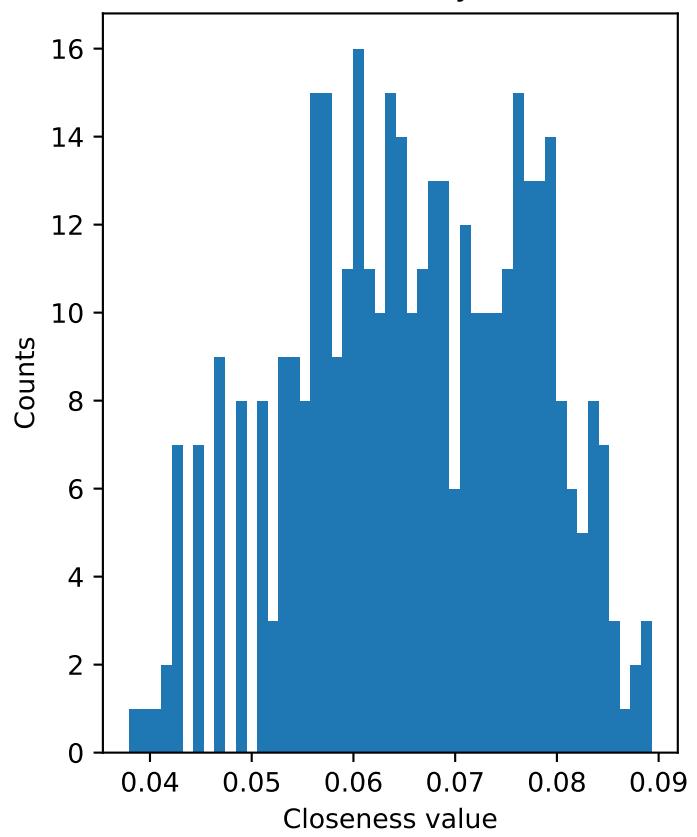
## Weighted GT Parameters

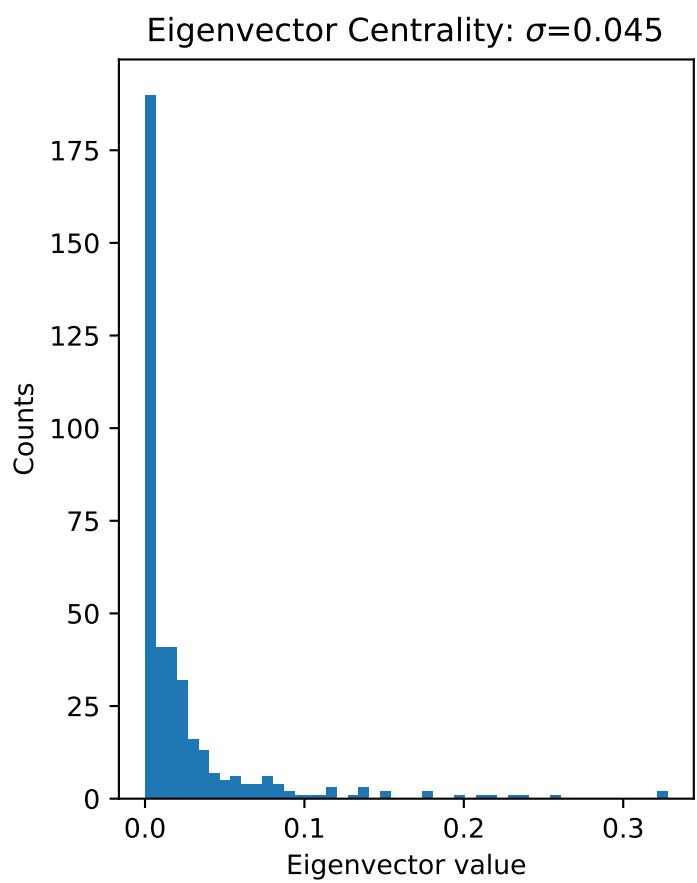
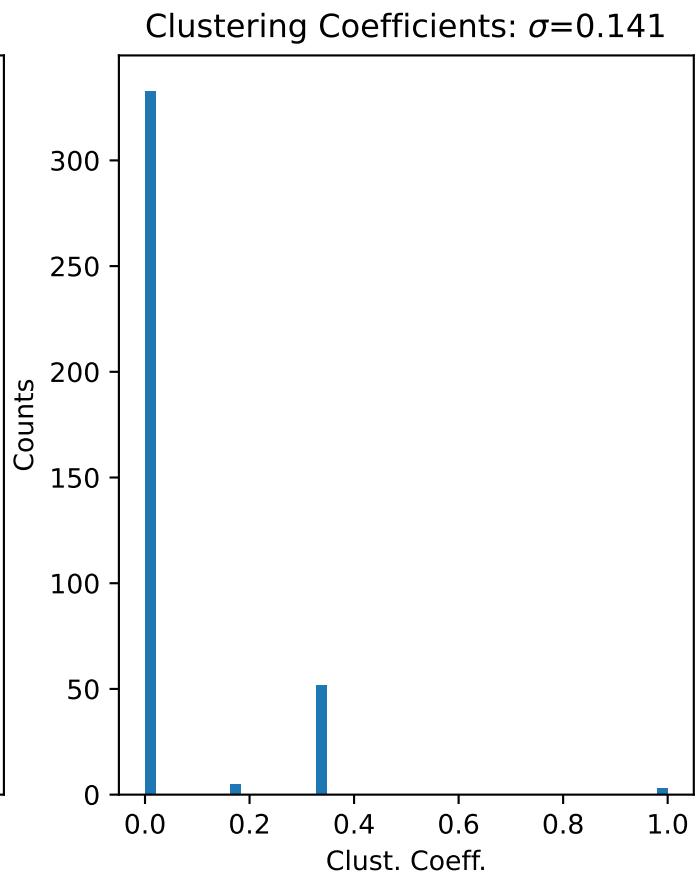
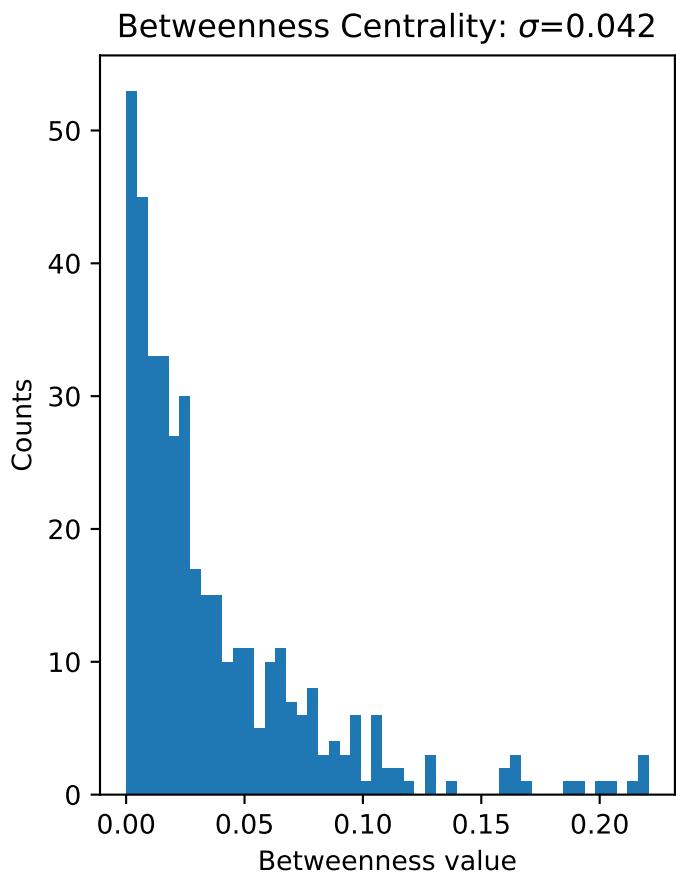
Weighted average degree	5.22171
Length-weighted Wiener Index	23571223.1
Max flow between periphery	3.99443
Weighted assortativity coefficient	0.47821
Width-weighted average betweenness centrality	0.04389
Length-weighted average closeness centrality	0.0034
Width-weighted average eigenvector centrality	0.00478
Weighted Graph Conductance (max)	Weighted 0.04927325710251647
Weighted Graph Conductance (min)	Weighted 0.0006069634663726724

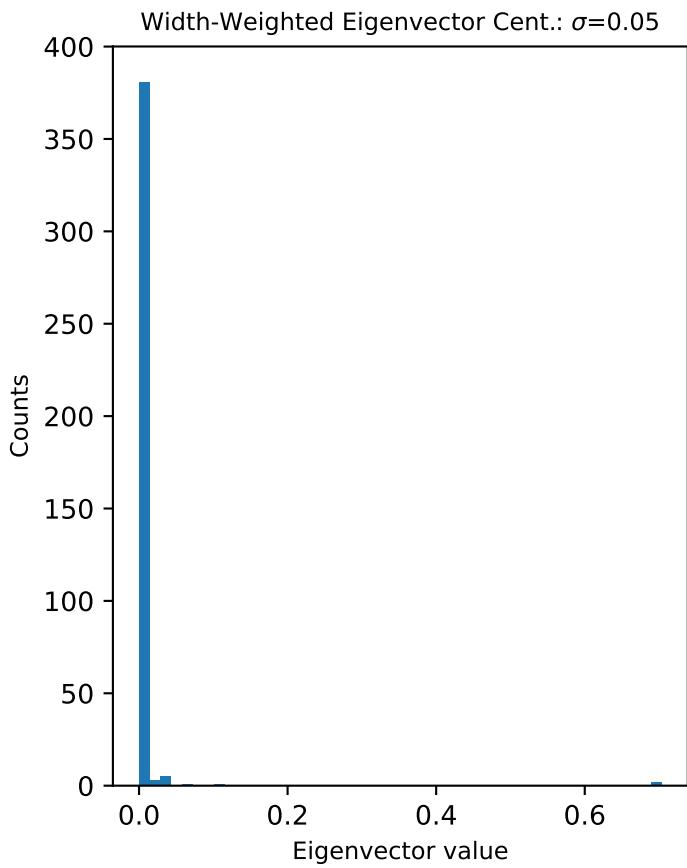
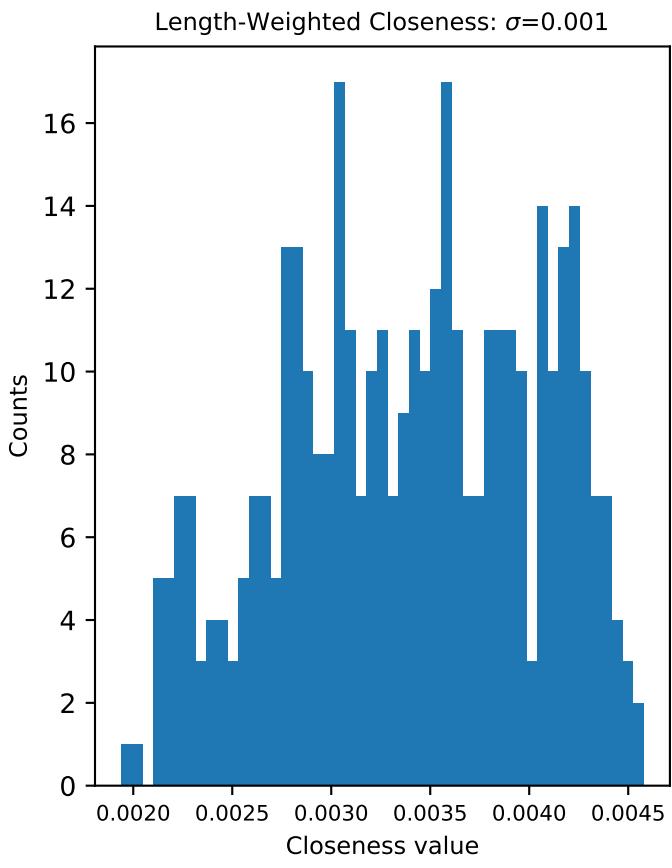
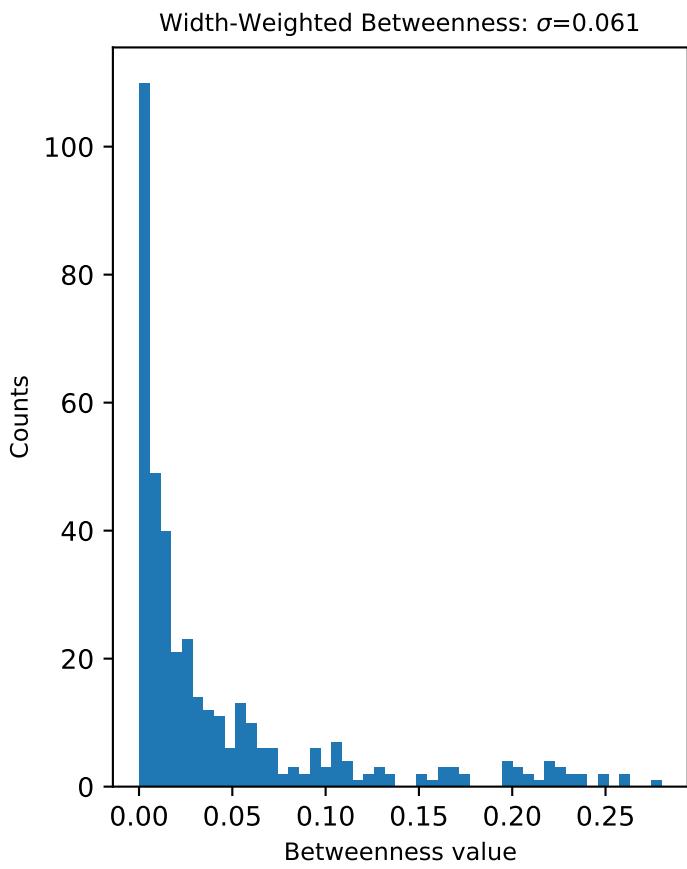
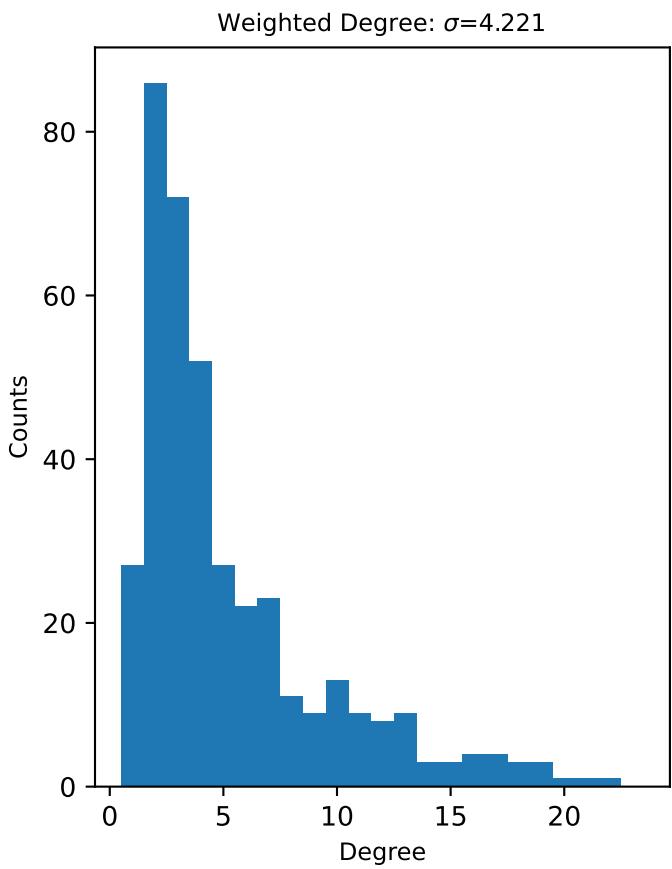
Degree Distribution:  $\sigma=0.511$



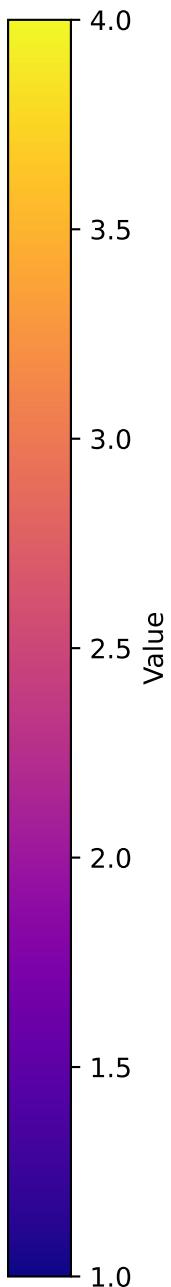
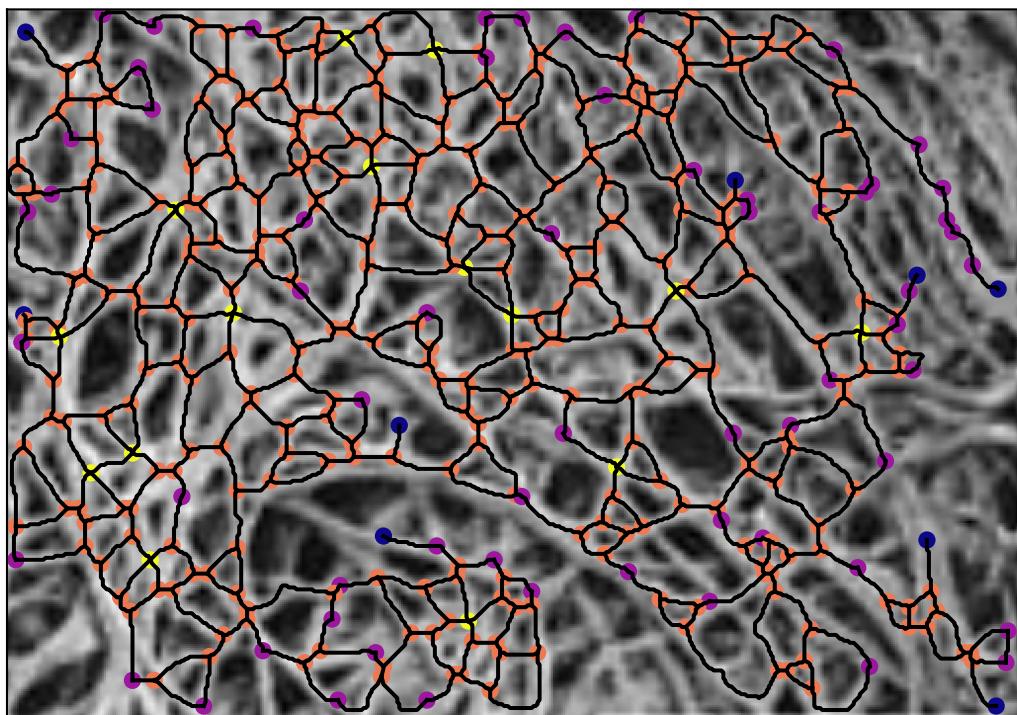
Closeness Centrality:  $\sigma=0.011$



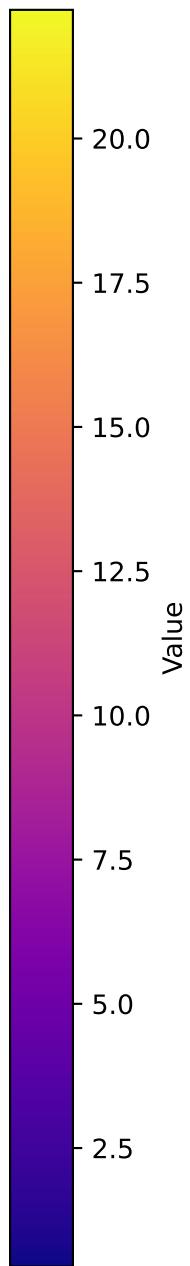
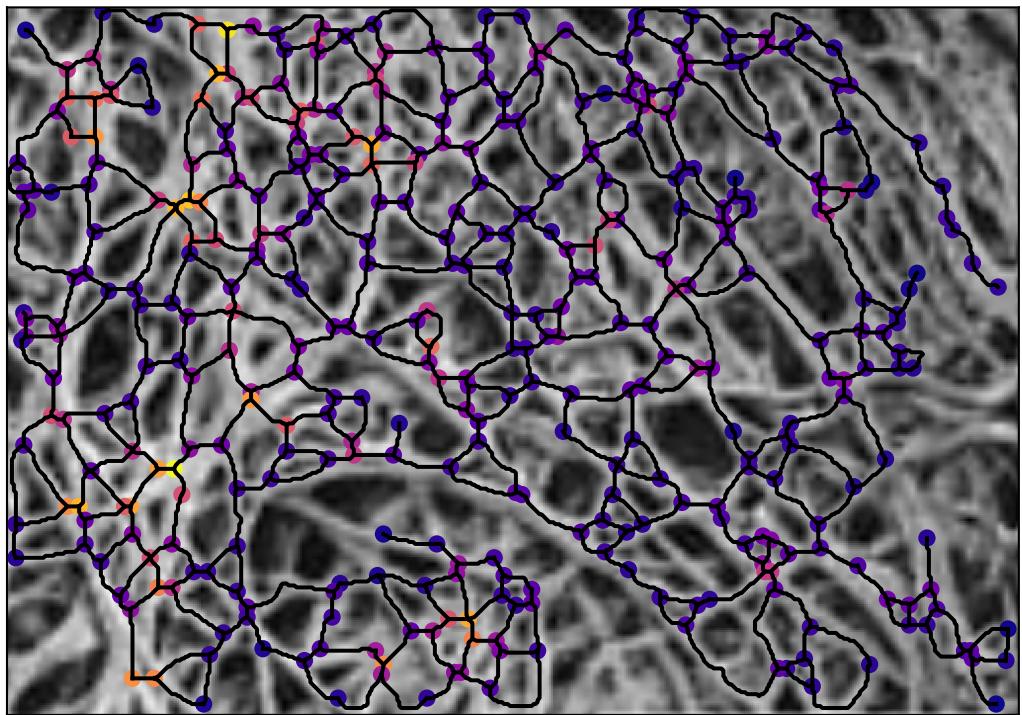




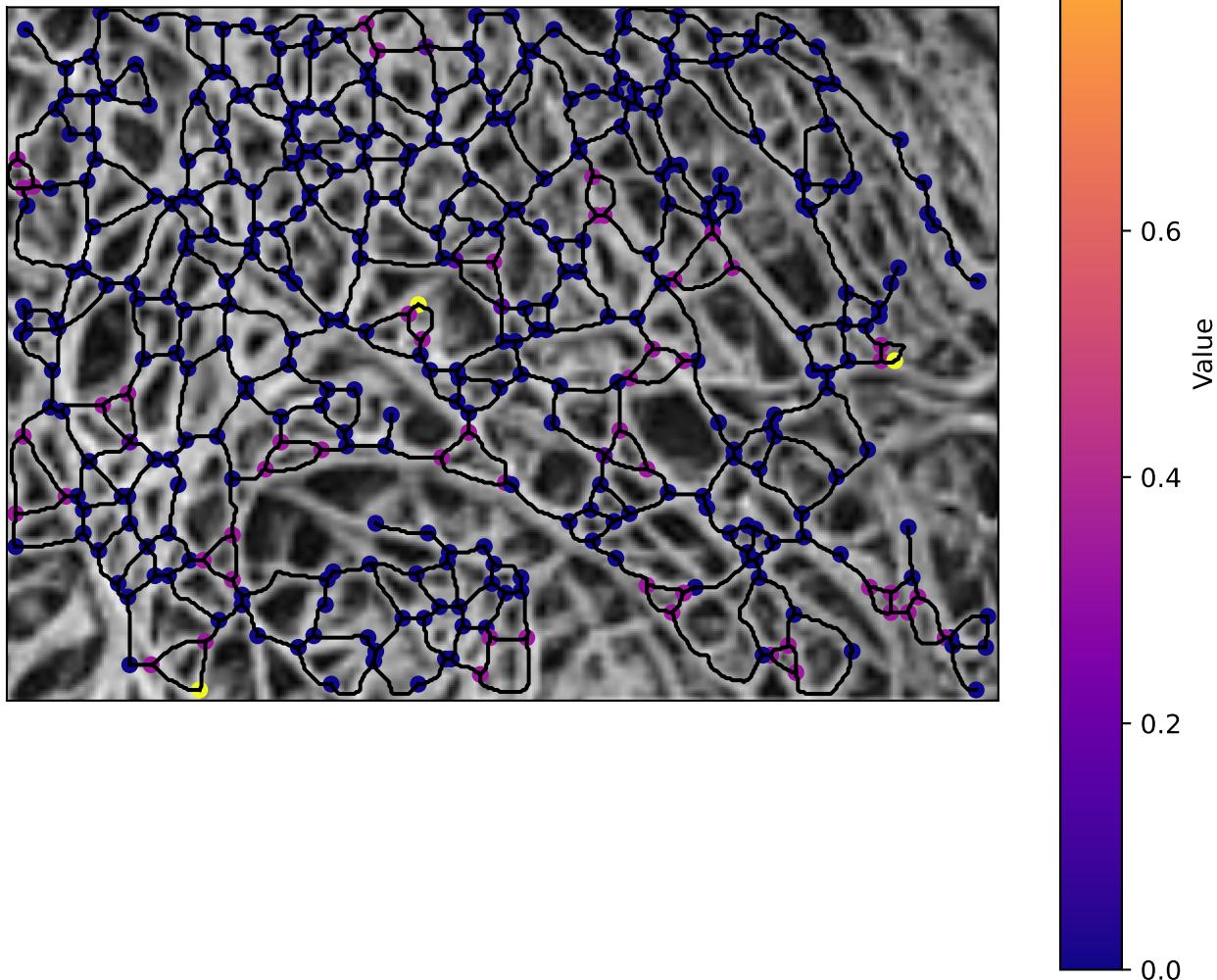
Degree Heatmap



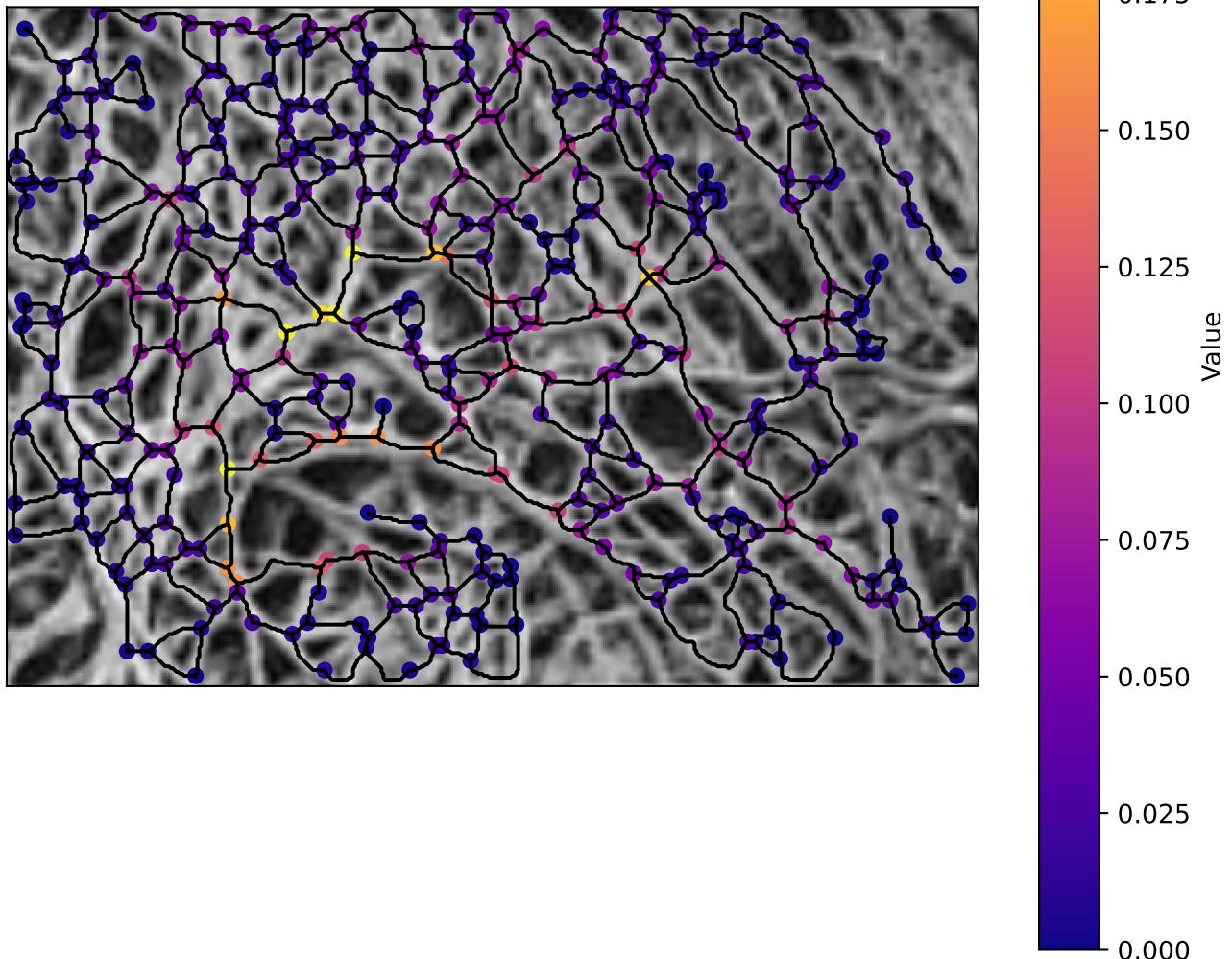
Weighted Degree Heatmap



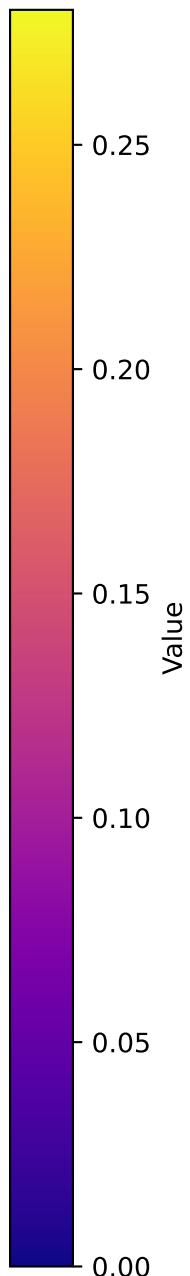
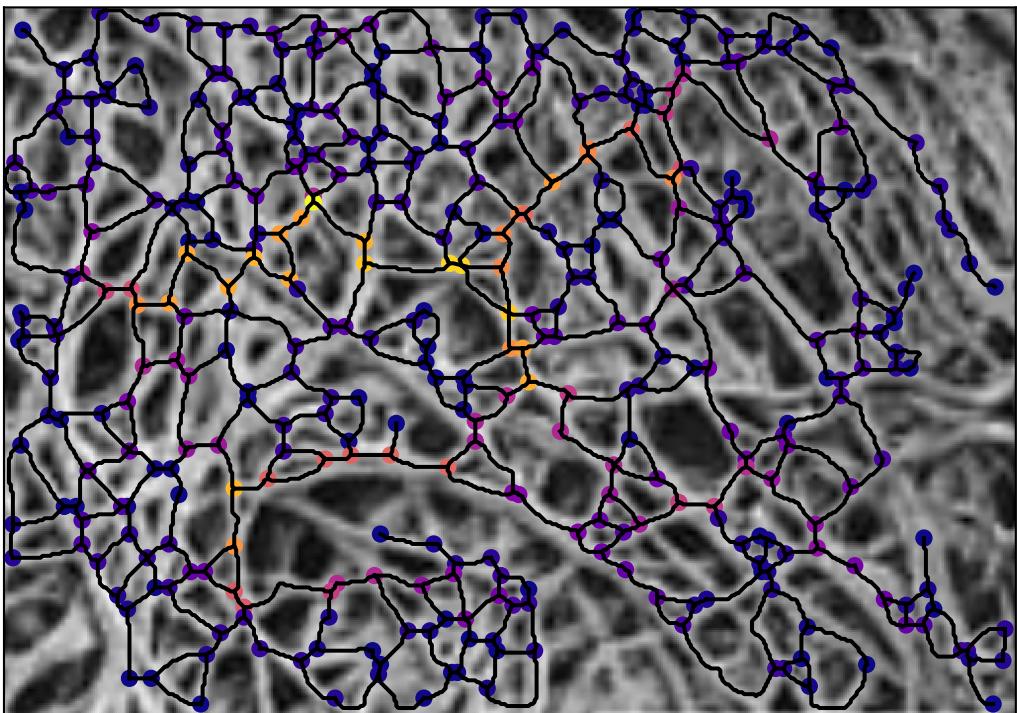
Clustering Coefficient Heatmap



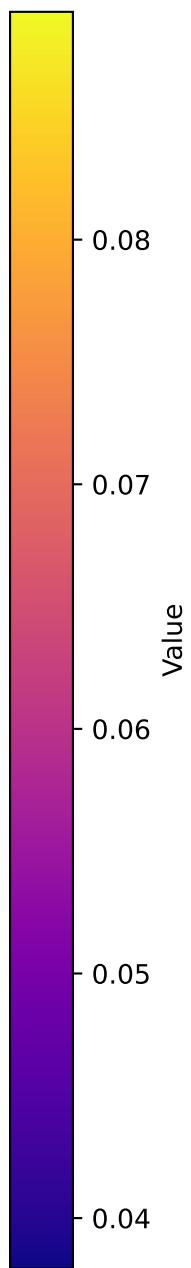
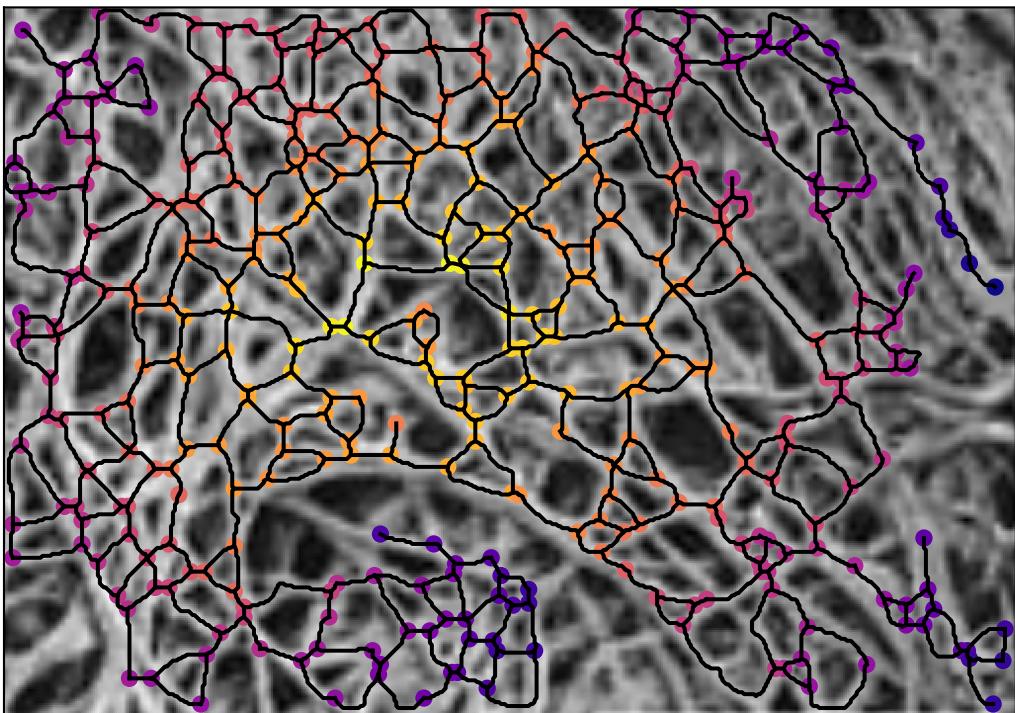
Betweenness Centrality Heatmap



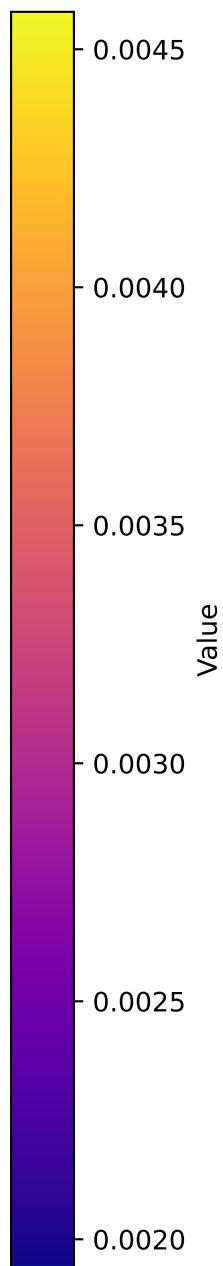
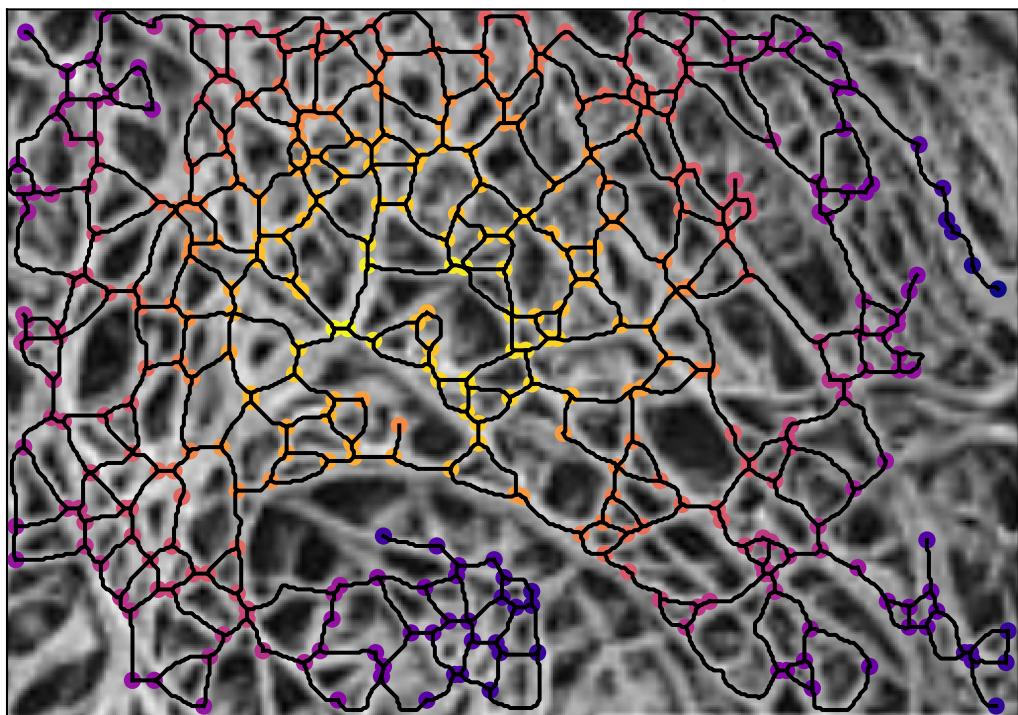
Width-Weighted Betweenness Centrality Heatmap



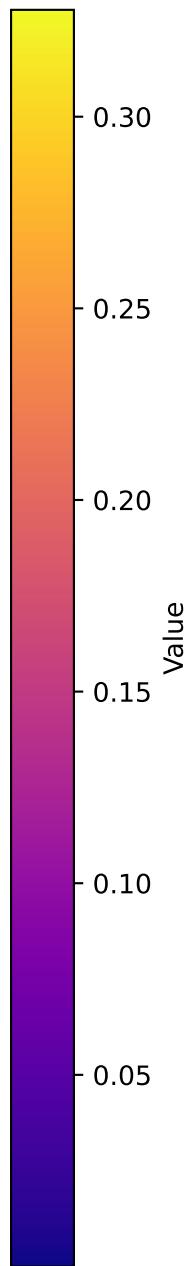
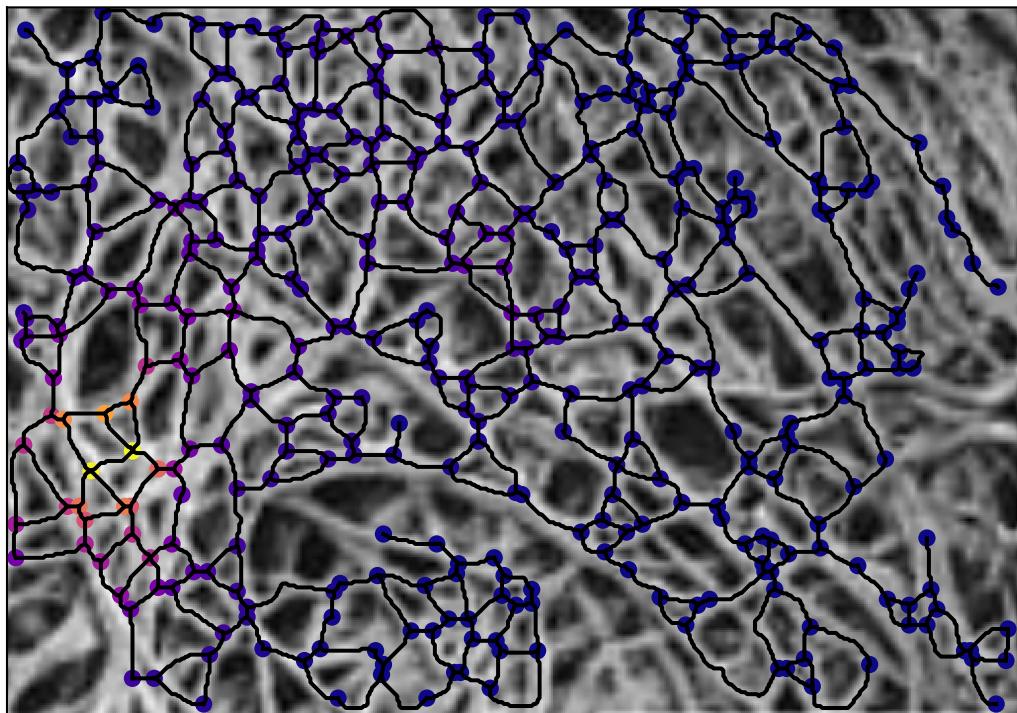
Closeness Centrality Heatmap



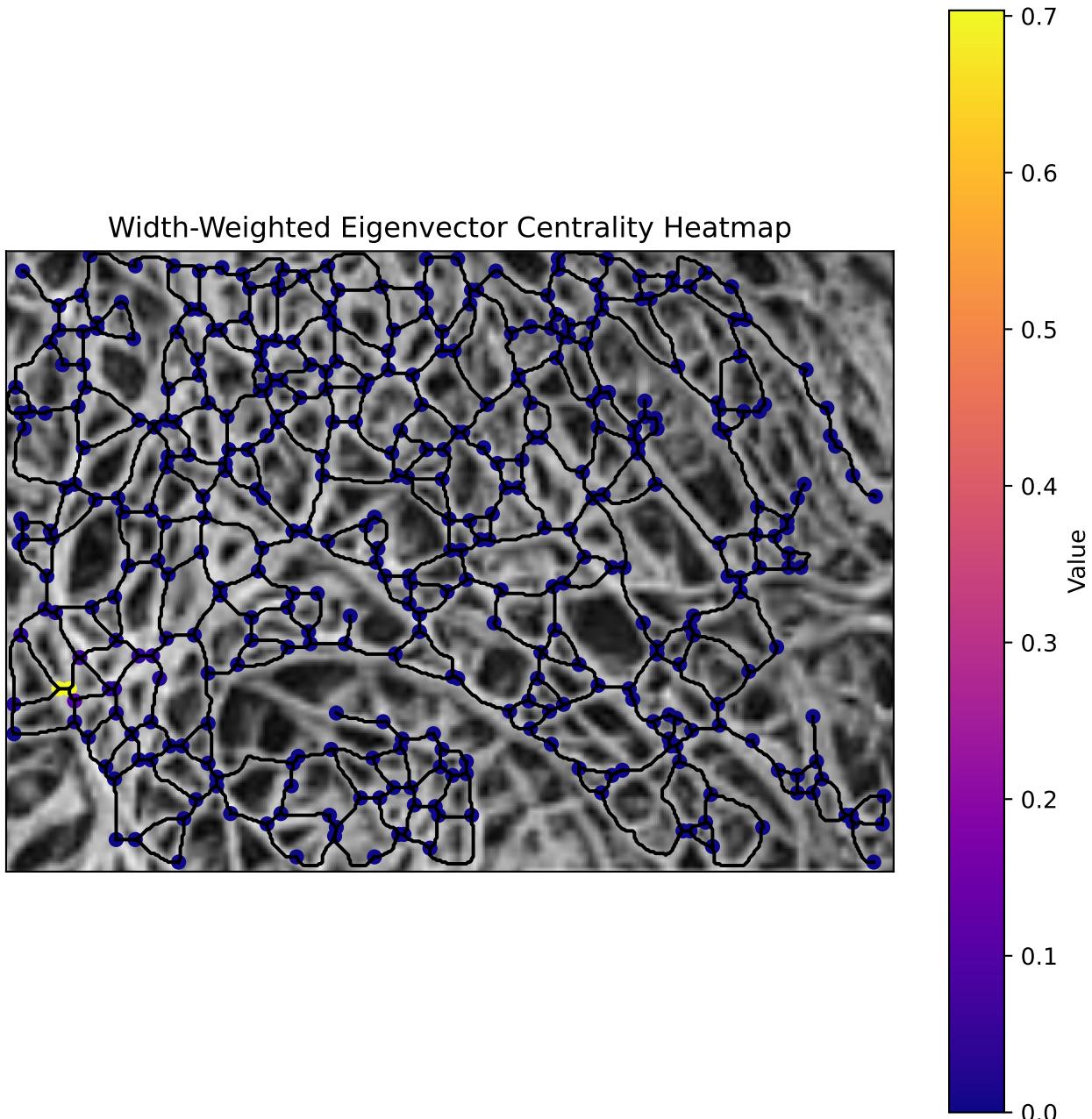
Length-Weighted Closeness Centrality Heatmap



Eigenvector Centrality Heatmap



Width-Weighted Eigenvector Centrality Heatmap



Run Info

/Users/owuorjnr/owProjects/kotov\_lab/chaos-gt/examples/InVitroBioFilm.png || 2024-02-09 18:31:15  
|| Global Threshold (127) || Gaussian Blur, None bit kernel || Low-pass filterNone  
|| Merge Nodes || Prune Dangling Edges || Remove Objects of Size 500 || Remove Self Loops