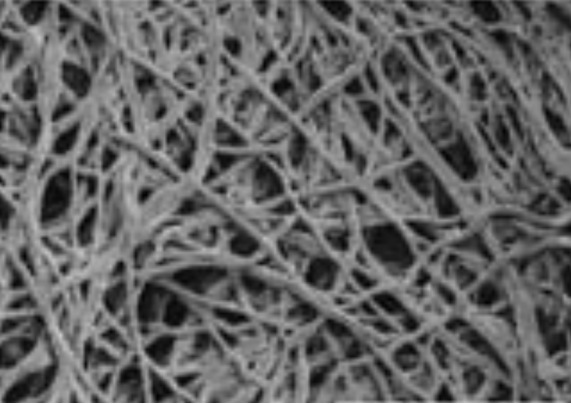
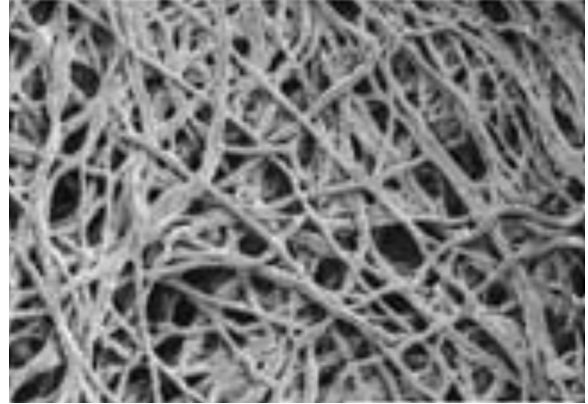


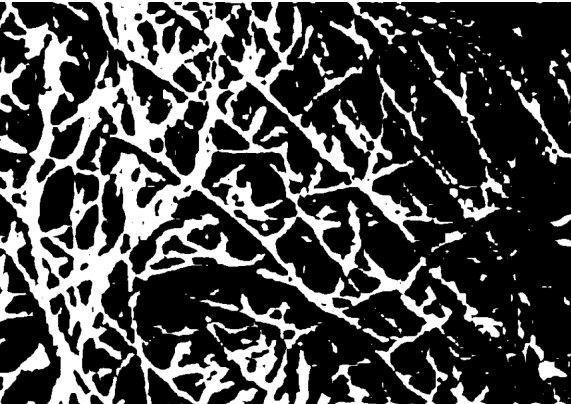
Original Image



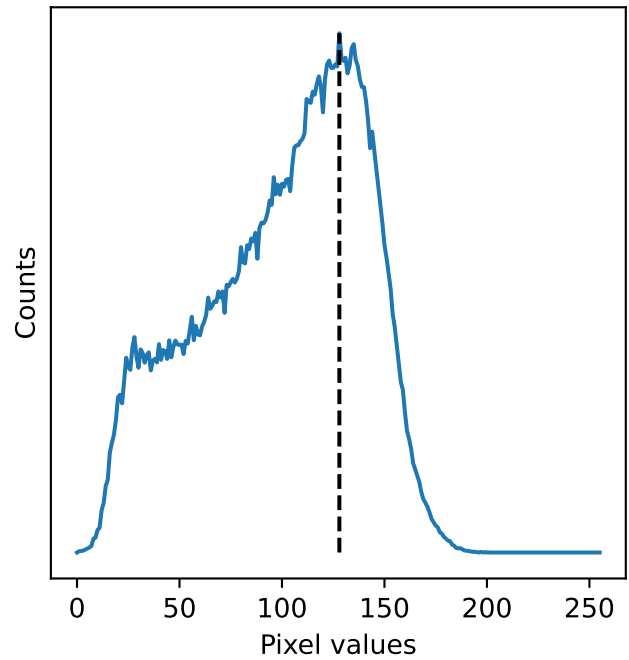
Processed Image



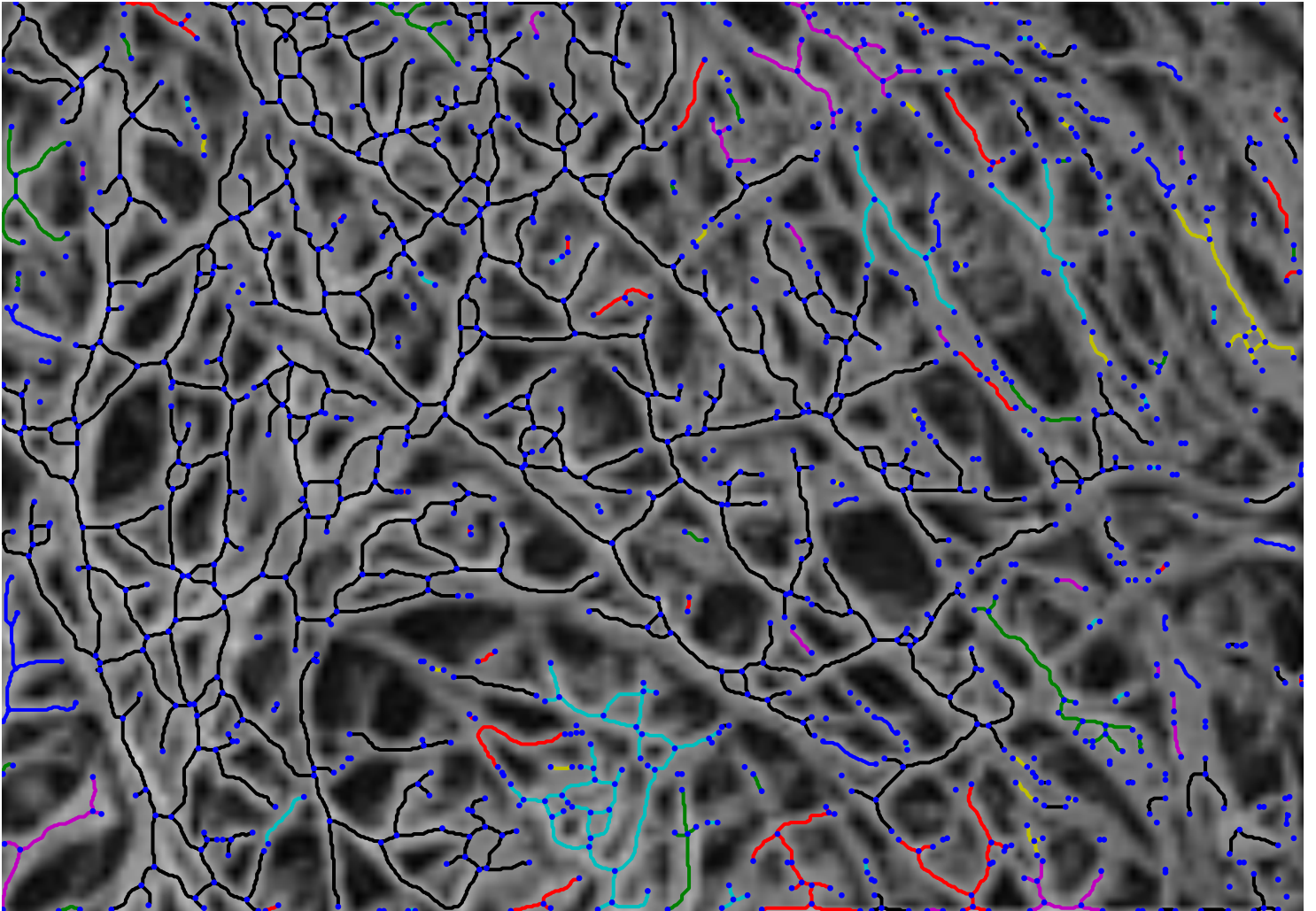
Binary Image



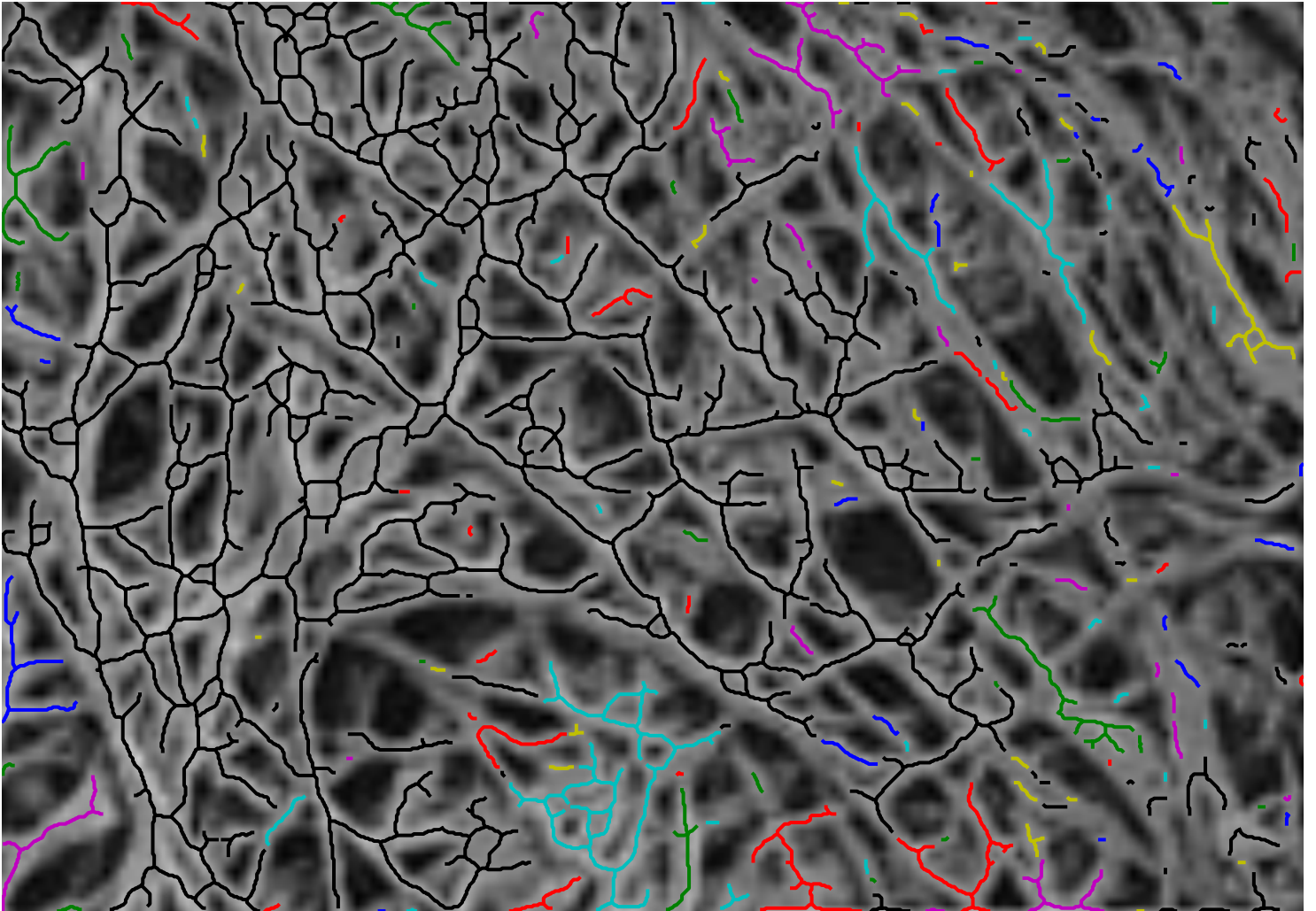
Histogram of Processed Image



Graph Node Plot

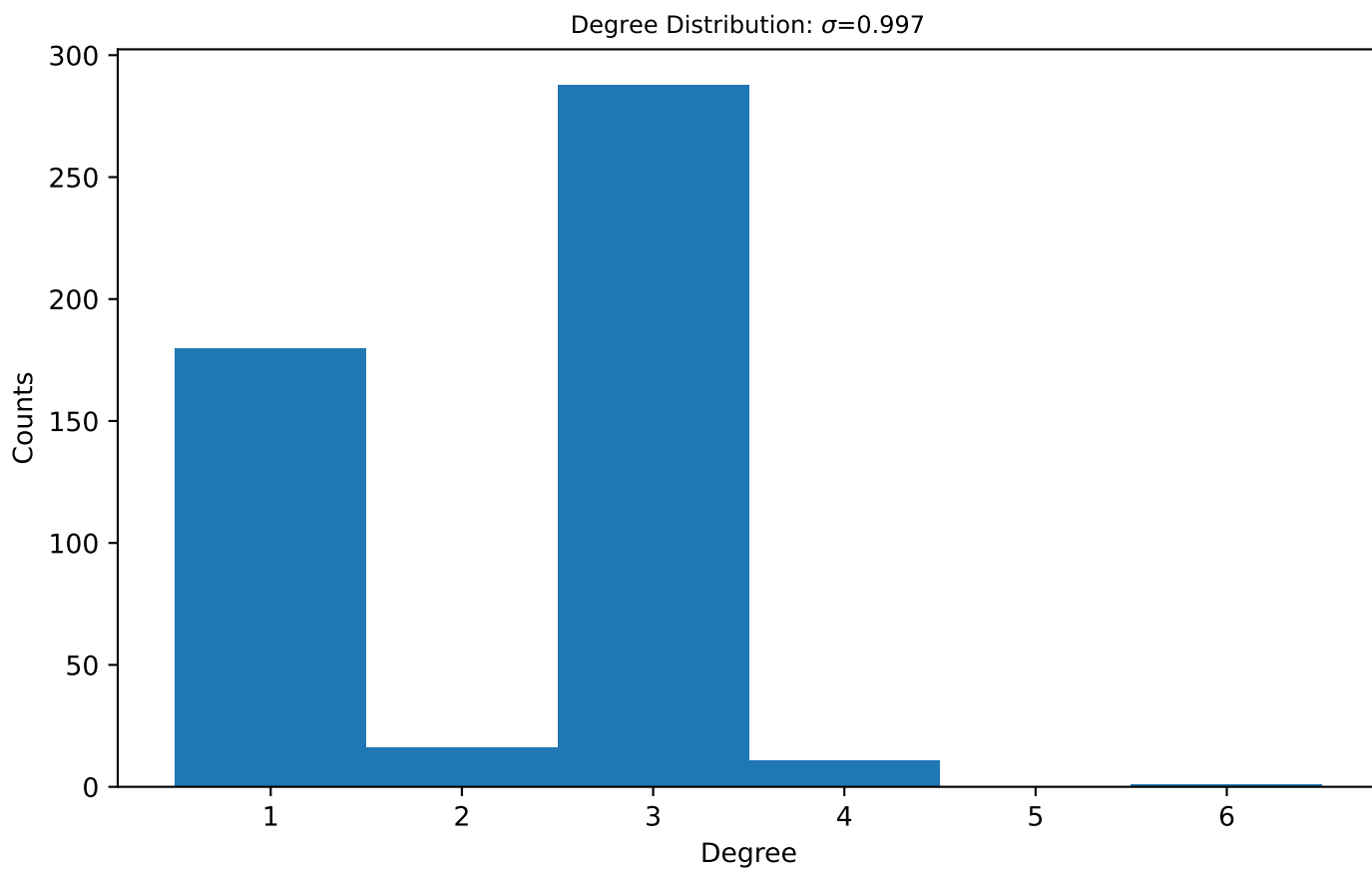


Graph Edge Plot

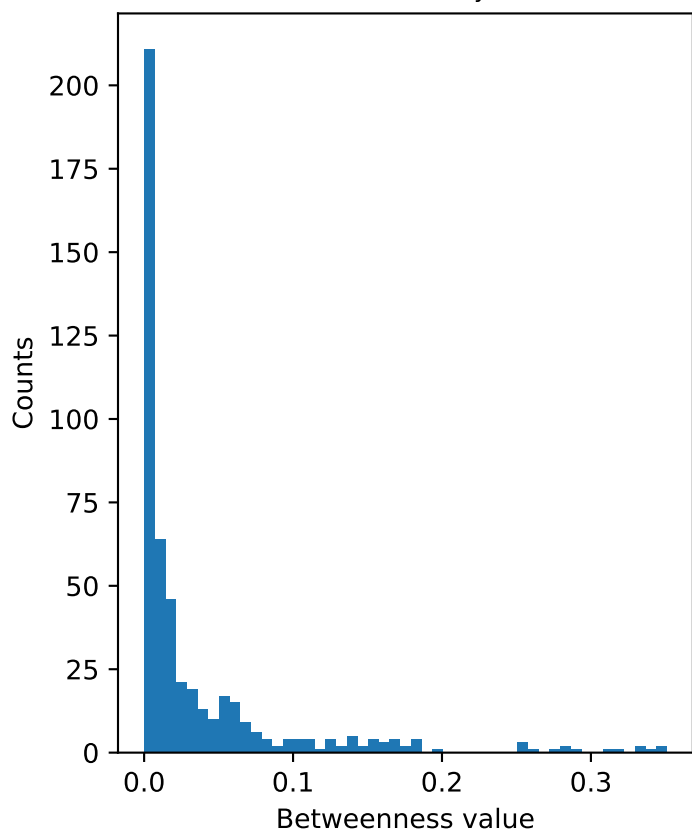


Unweighted GT parameters

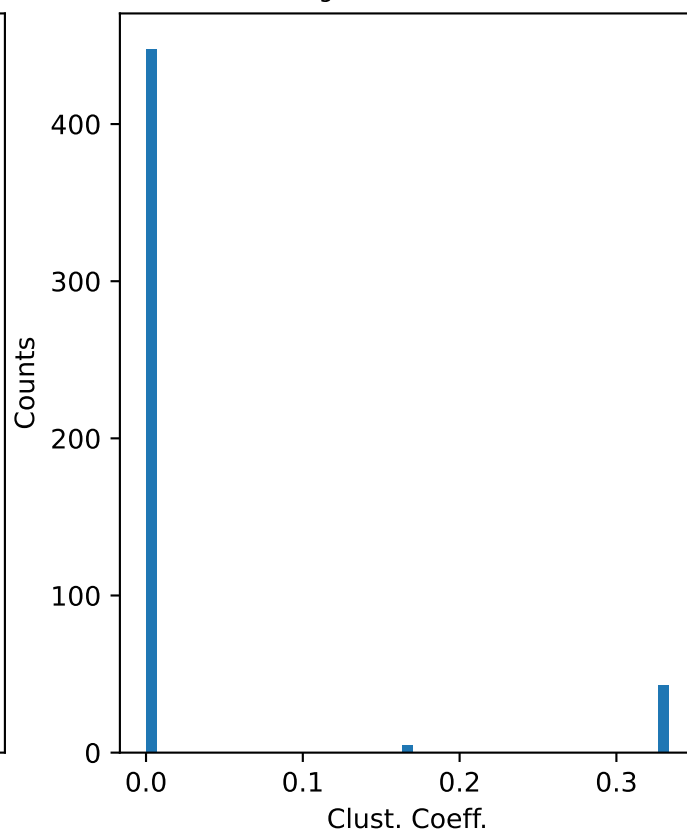
Number of nodes	496.0
Number of edges	563.0
Average edge angle (degrees)	169.348
Median edge angle (degrees)	88.091
Average degree	2.27016
Network diameter	40.0
Average node connectivity	0.21058
Graph density	0.00459
Assortativity coefficient	-0.14739
Average clustering coefficient	0.03058
Average betweenness centrality	0.03575



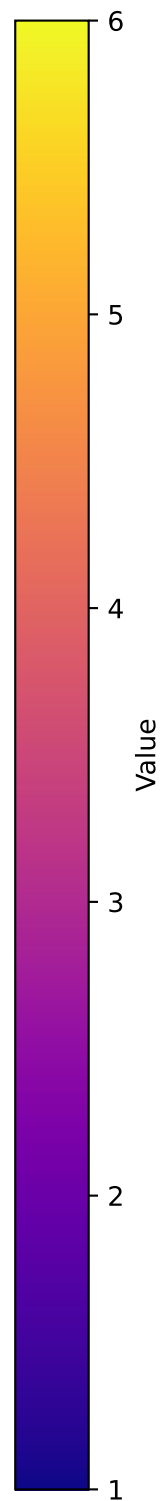
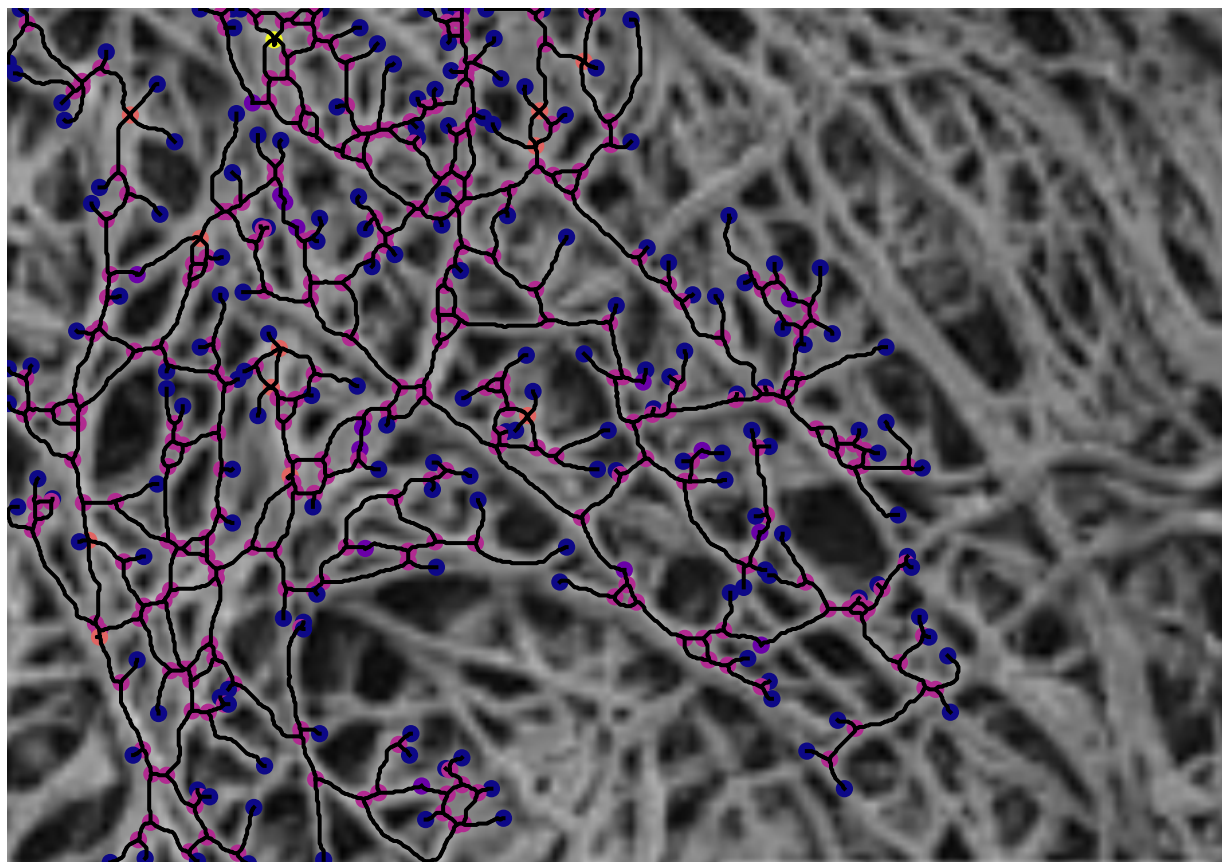
Betweenness Centrality: $\sigma=0.063$



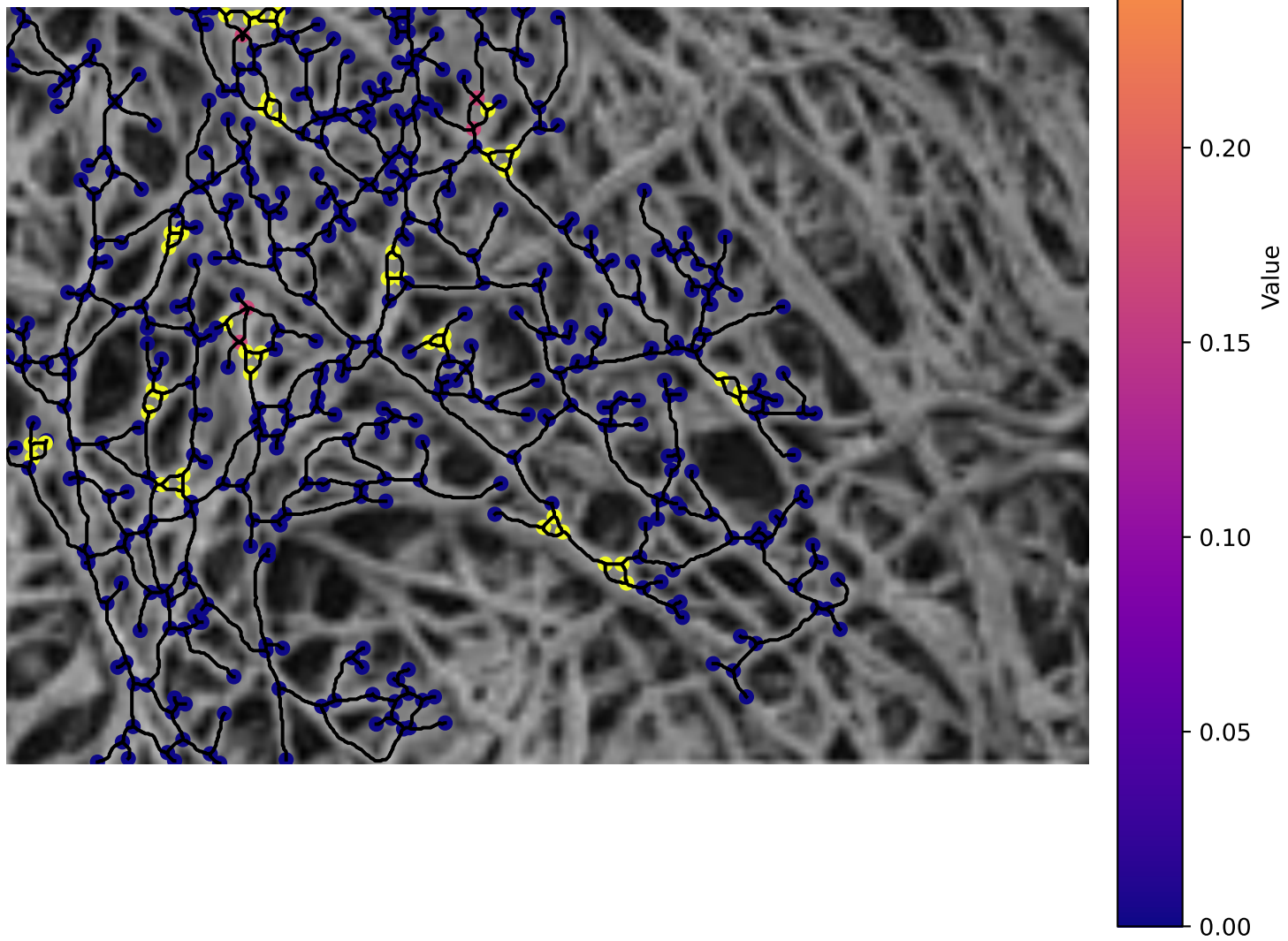
Clustering Coefficients: $\sigma=0.095$



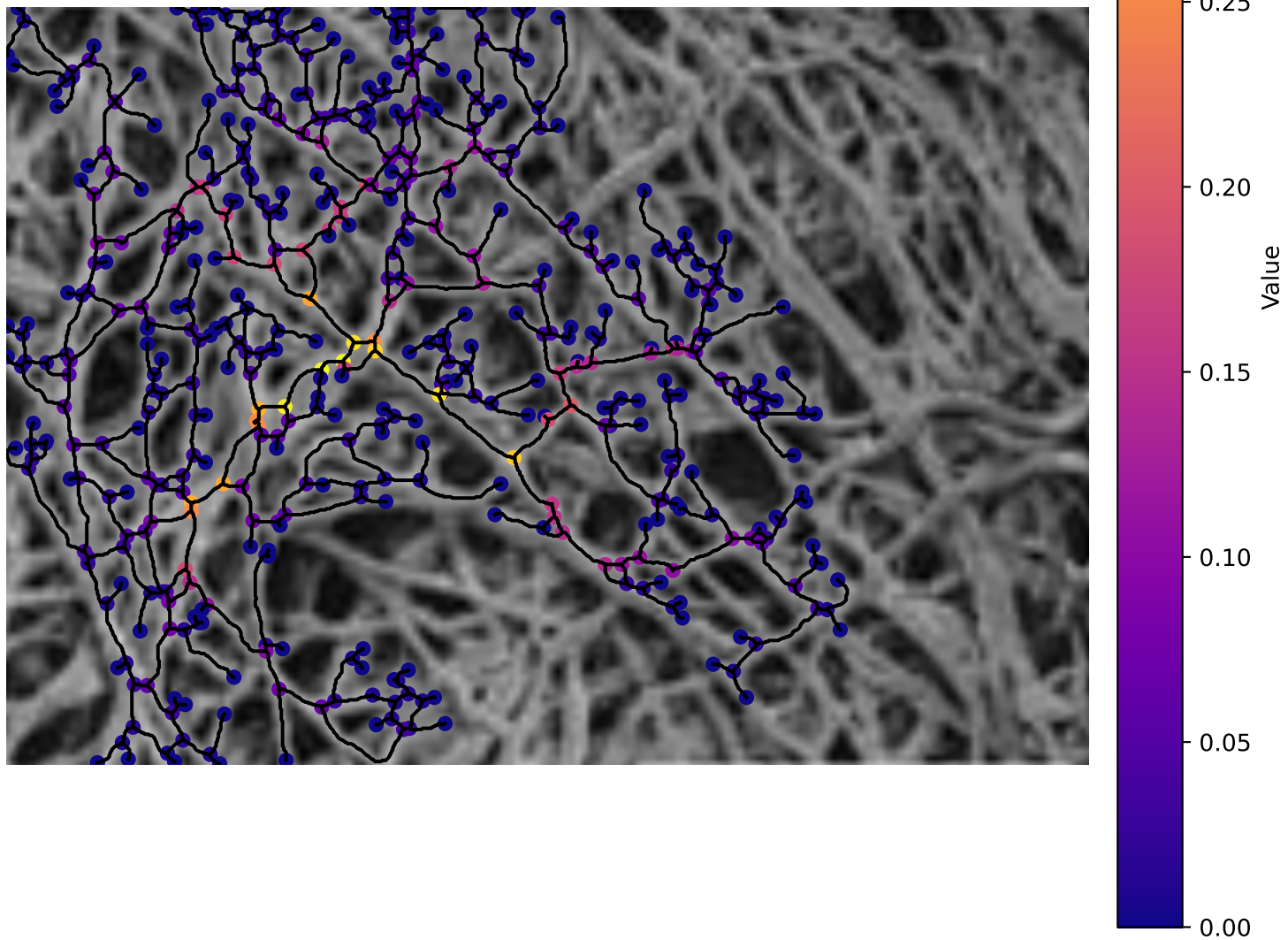
Degree Heatmap



Clustering Coefficient Heatmap



Betweenness Centrality Heatmap



Run Info

InVitroBioFilm.png
2025-07-01 11:19:24

Image Filter Configurations
Global Threshold (128.0) || Gamma = 1.0

Microscopy Parameters
Scalebar Value = 0.0 nm || Scalebar Pixel Count = 1
Resistivity = 1.0Ωm

Image Scale
Size = 638 x 912 px || Scale Factor = 1.0

Graph Extraction Configurations