Worked on a section (60:120,80:120) to reduce computational costs – tissue sample 24

Computed correlation matrix (61x41x61x41)

* With baseline: avg = 0.9024
* No baseline (rubber band method): avg = 0.4396

Tried to find areas with similar features to do the averaging over

* Created binary map by setting threshold (ex. 0.975)

Point-by-Point:

1. Find cells of the correlation matrix that include this point
2. Add all correlation matrices
3. Remove points that appear infrequently

Loop through related points:

1. List points related to certain point
2. For each one, add to list points related to that one

What I actually want to do… clustering

1. Group similar correlation matrices (no overlapping points)
2. Remove outliers
3. Average spectra over those points

Img

Background pattern

Description automatically generated

Back:

Background pattern

Description automatically generated with medium confidence

Dermis:

A picture containing text, window

Description automatically generated

Epi:

A picture containing text, window, player, net

Description automatically generated

IDX (values 1-15):

A picture containing text, outdoor

Description automatically generated

Tissue t24 (values 0,1,2,5)

Background pattern

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