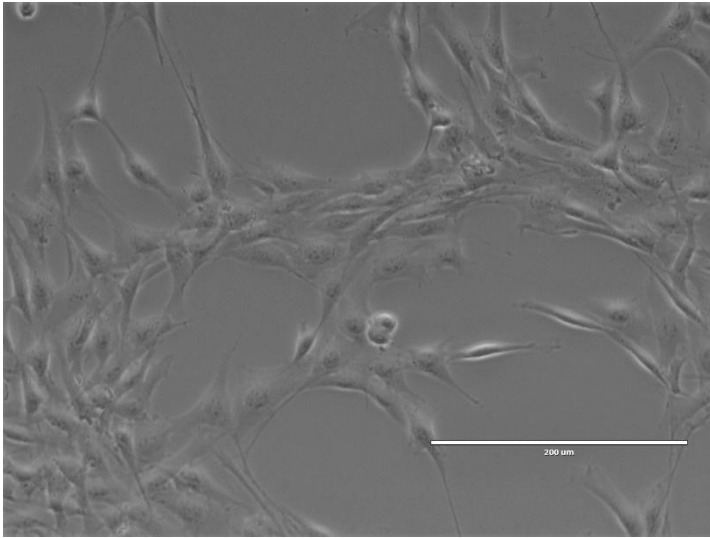


Fluorescent Cell Staining Results

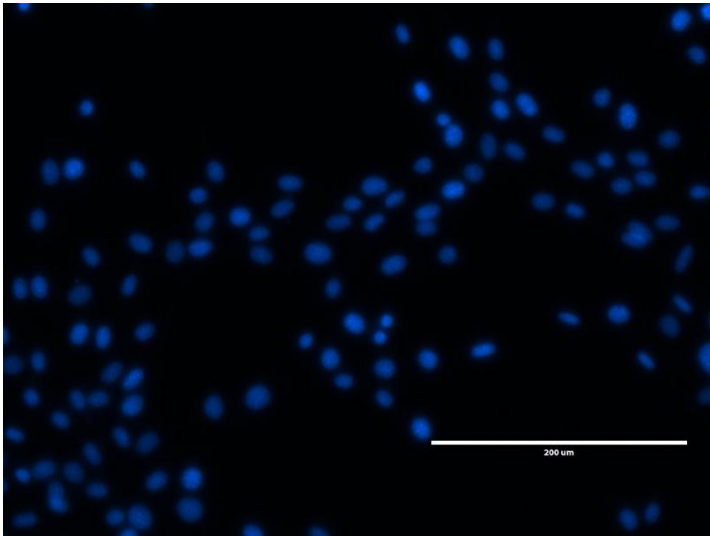
Purpose: To determine over-expression of Estrogen Receptor on the cell membrane (mER) on patient breast cancer cells

Patients A – L (2 cell stains on cell from each patient)

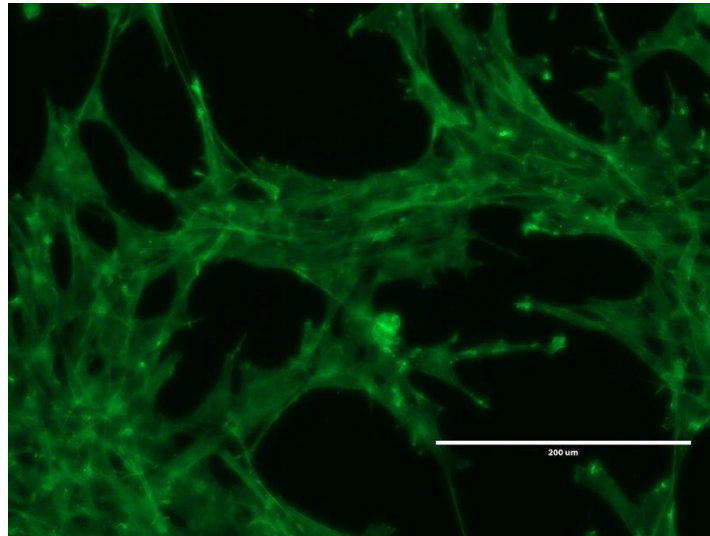
Single stain results



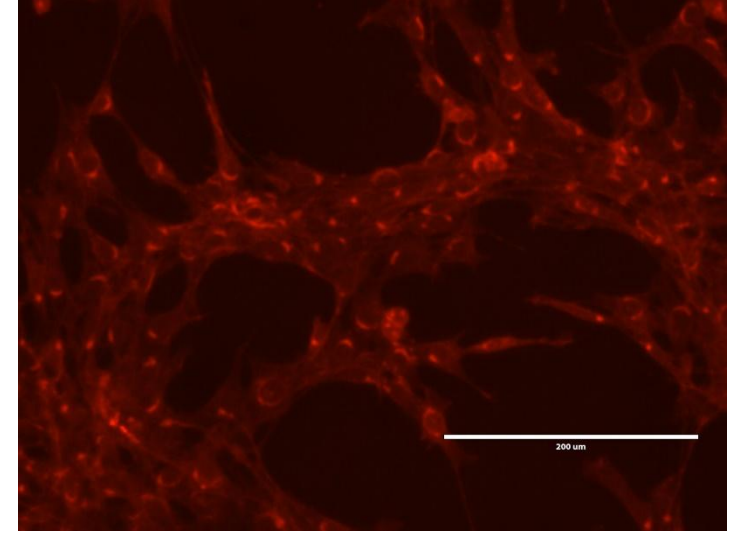
Nuclei



Actin



mER



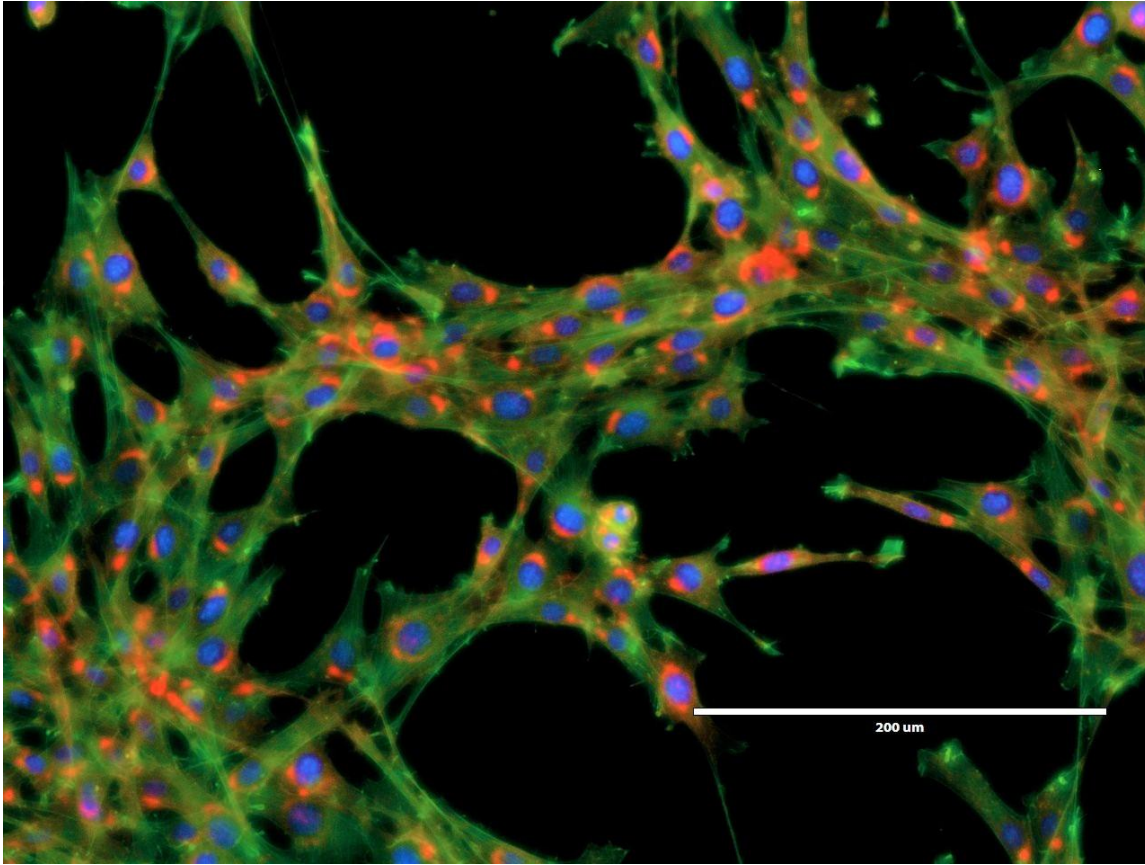
Nuclei: Hoechst stain (blue)

Cytoskeleton (actin): Phalloidin-GFP (green)

Membrane Estrogen Receptor (mER): anti-mER-Texas Red (red)

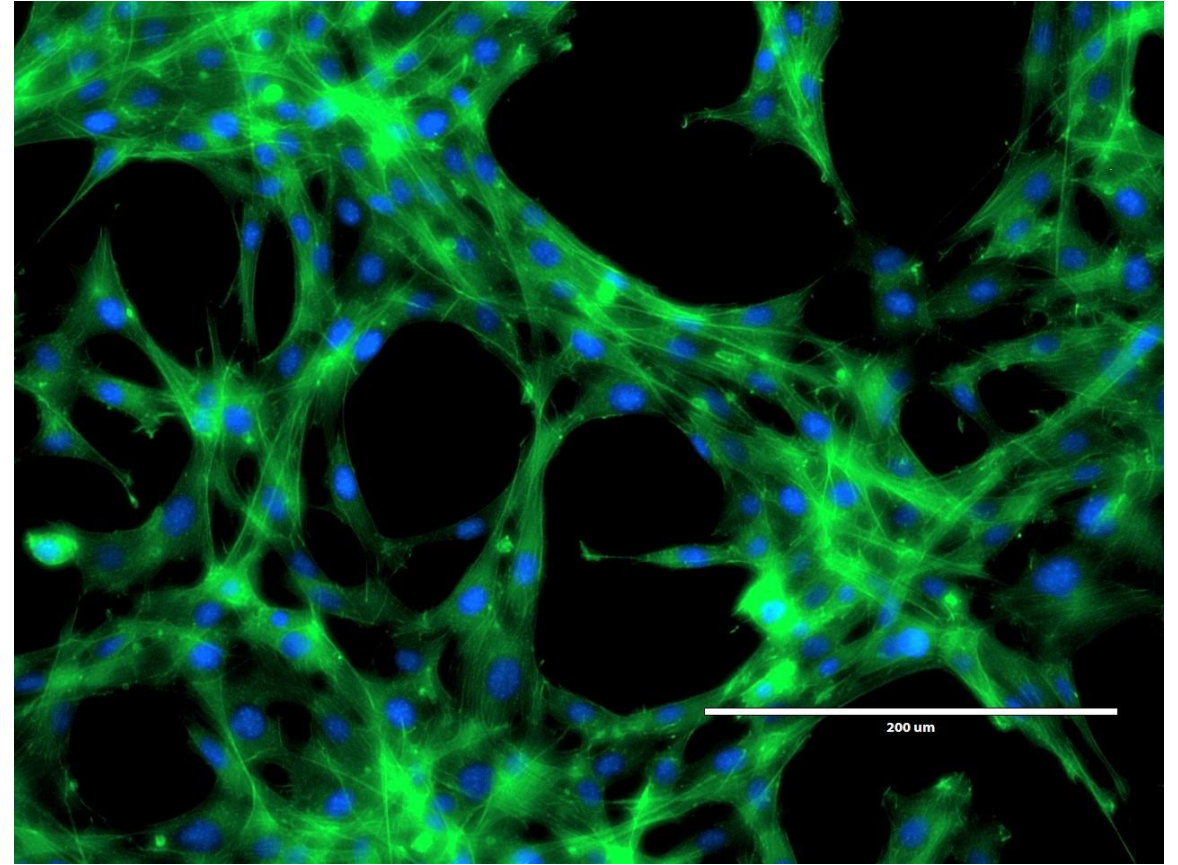
Examples of positive and negative stains

Overlay images



Positive Stain

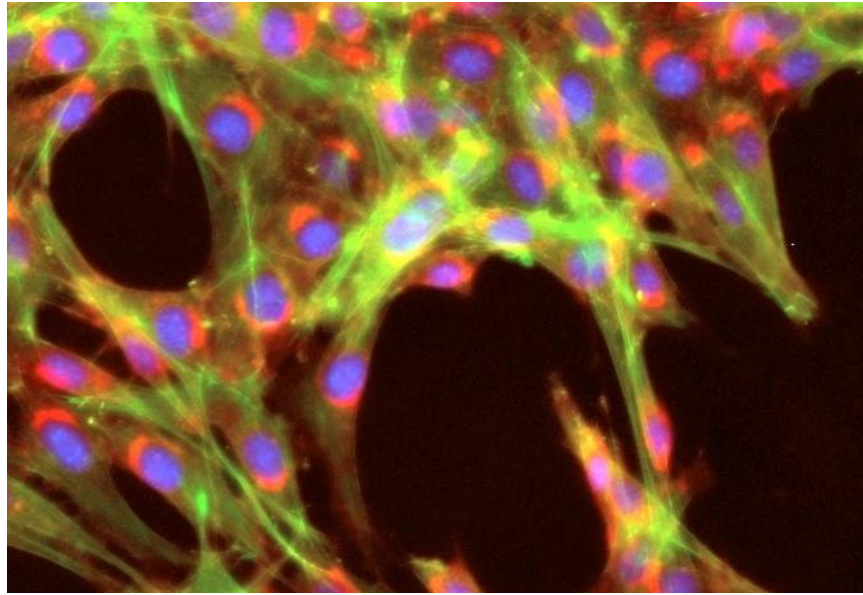
The red staining indicates that this patient's breast cancer cells do express mER.



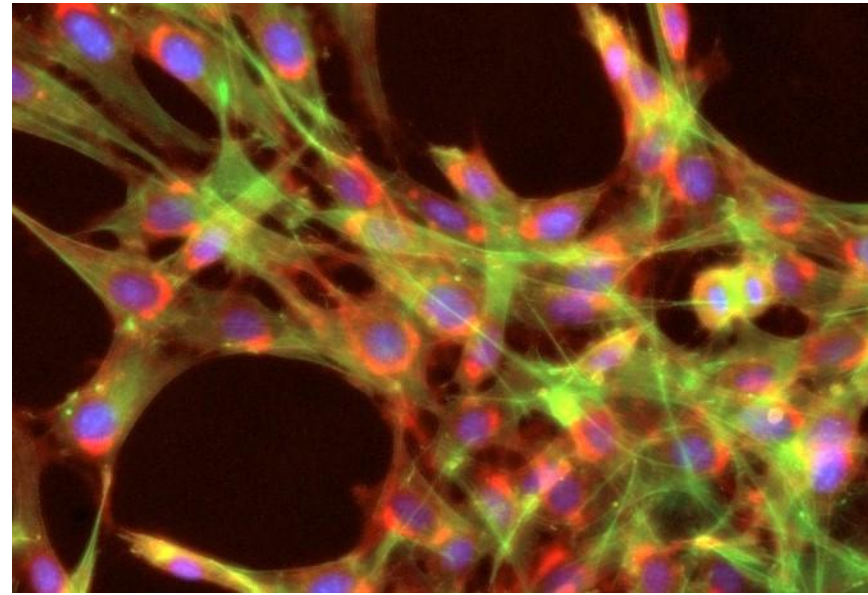
Negative Stain

The lack of red staining indicates that this patient's breast cancer cells do not express mER.

Patient A

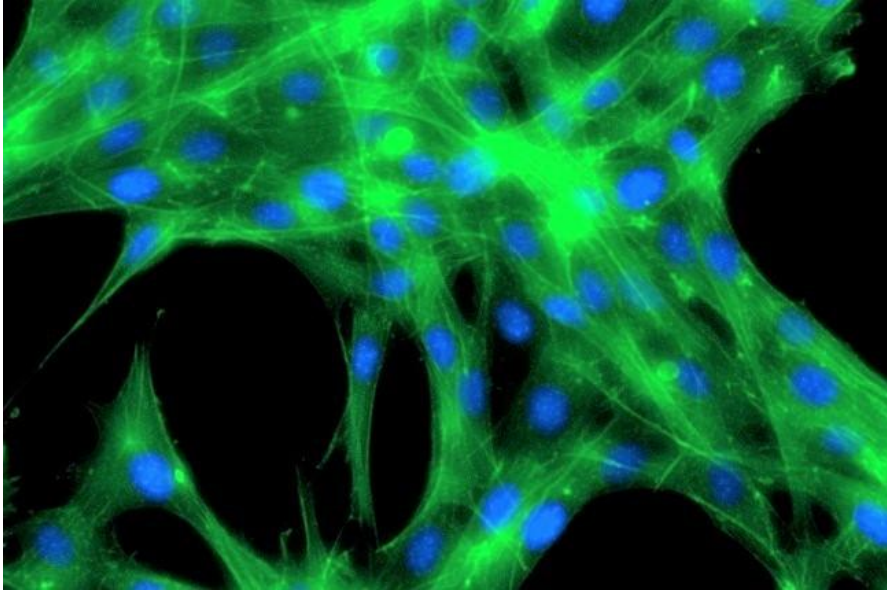


A - 1

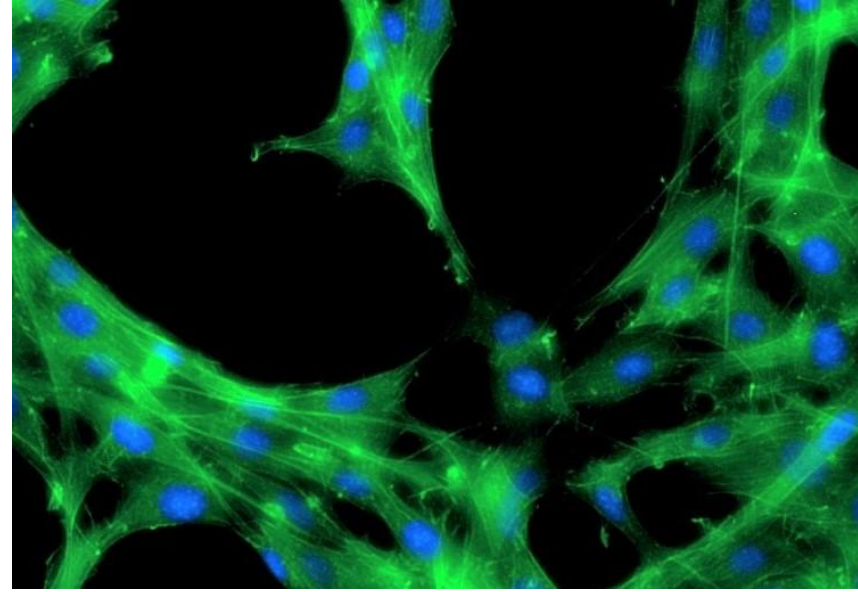


A - 2

Patient B

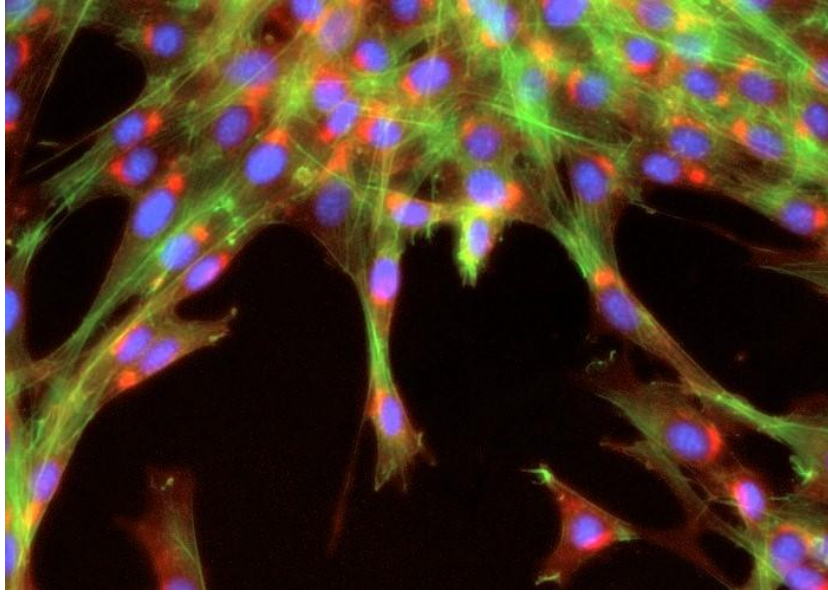


B - 1

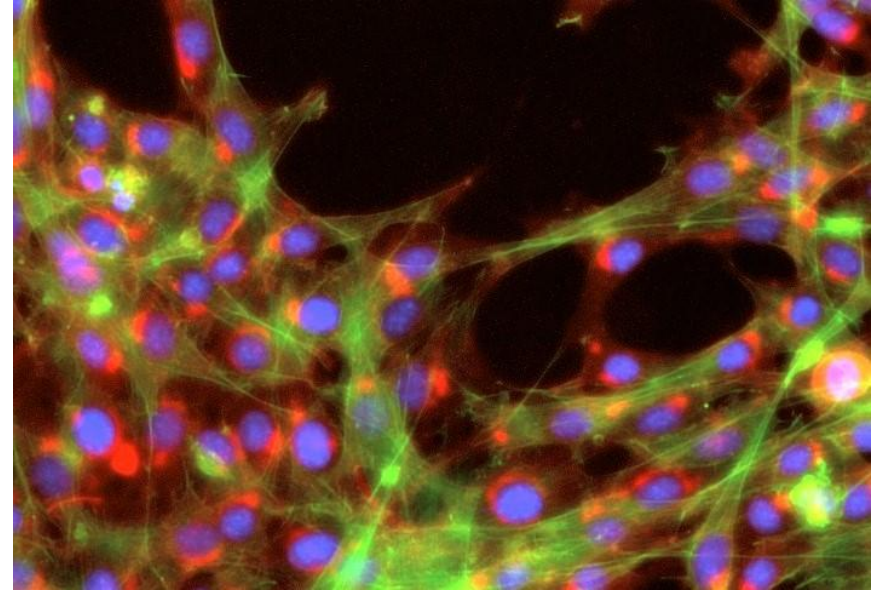


B - 2

Patient C

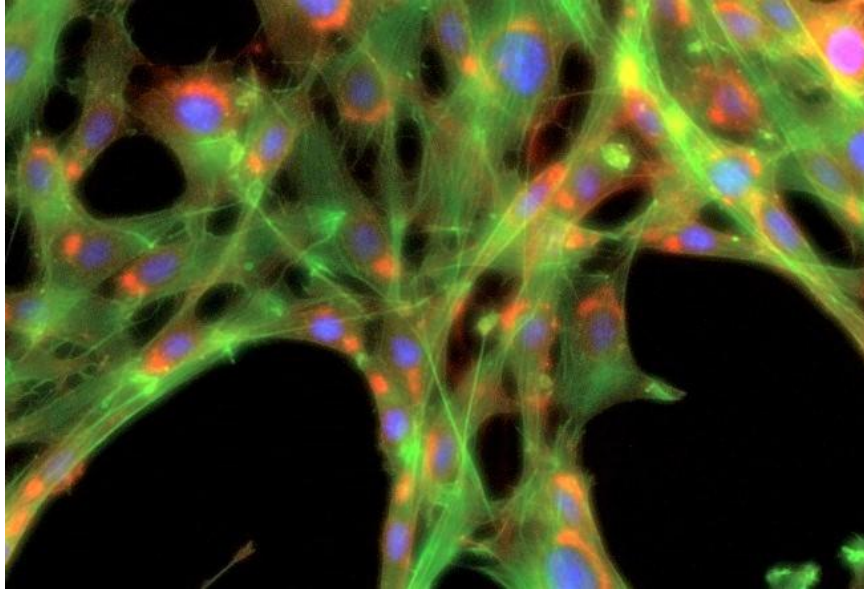


C - 1

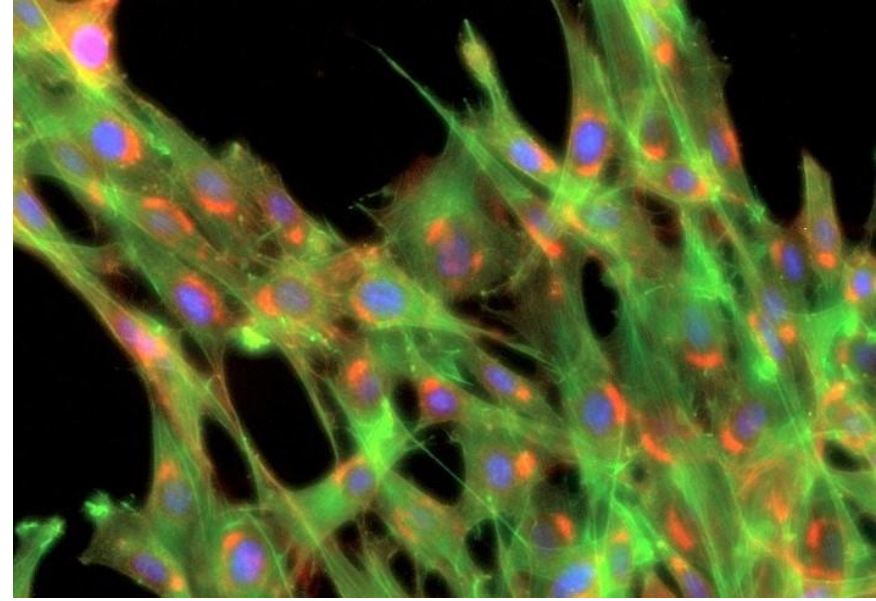


C - 2

Patient D

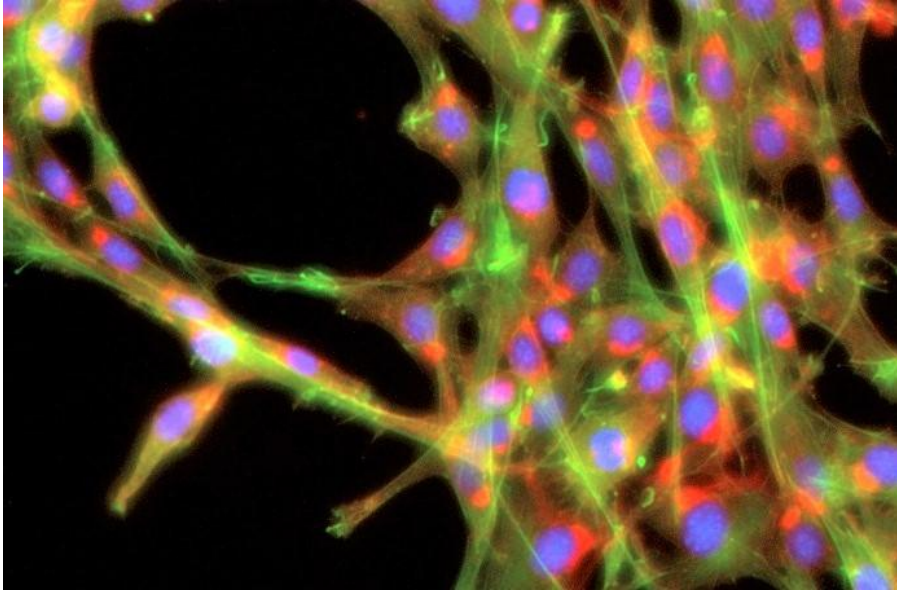


D - 1

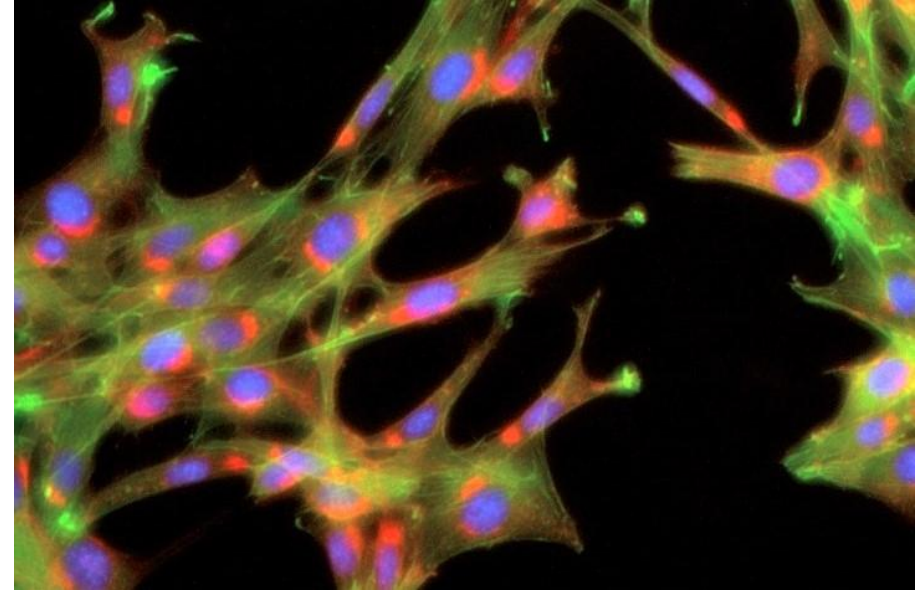


D - 2

Patient E

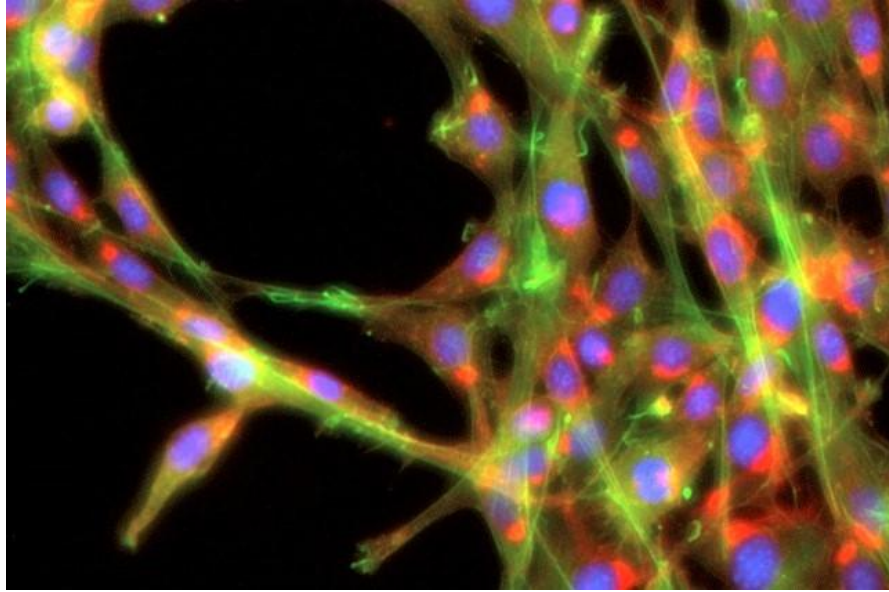


E - 1

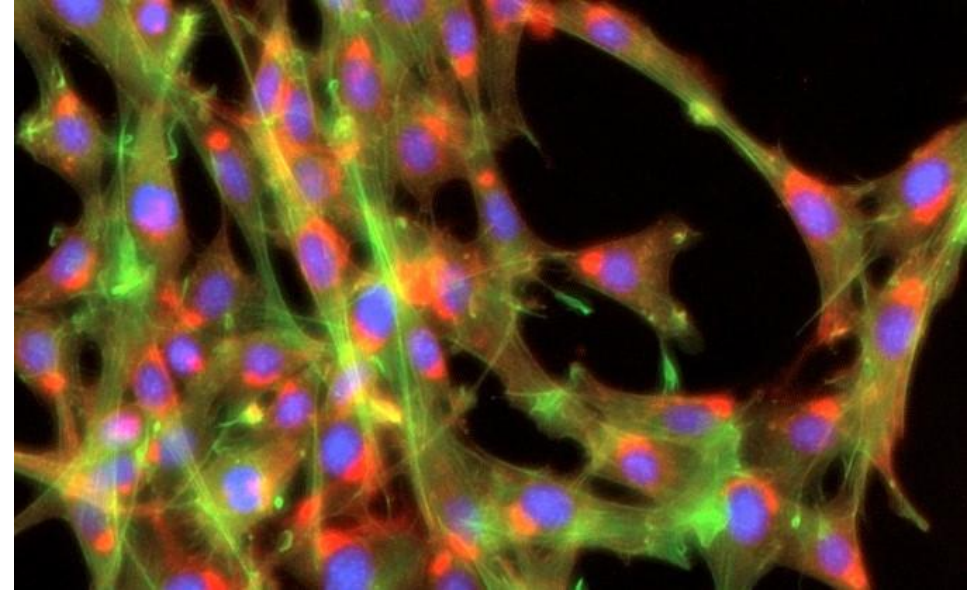


E - 2

Patient F

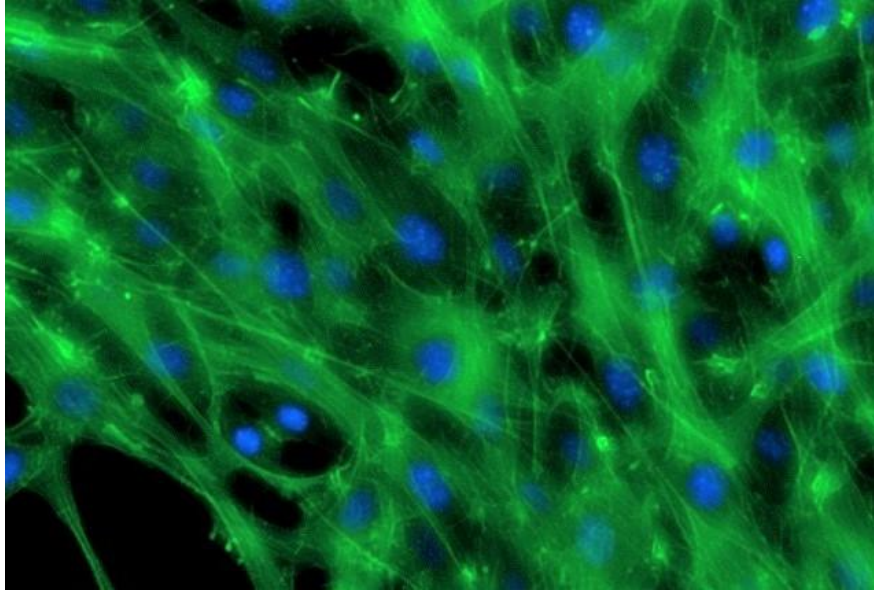


F - 1

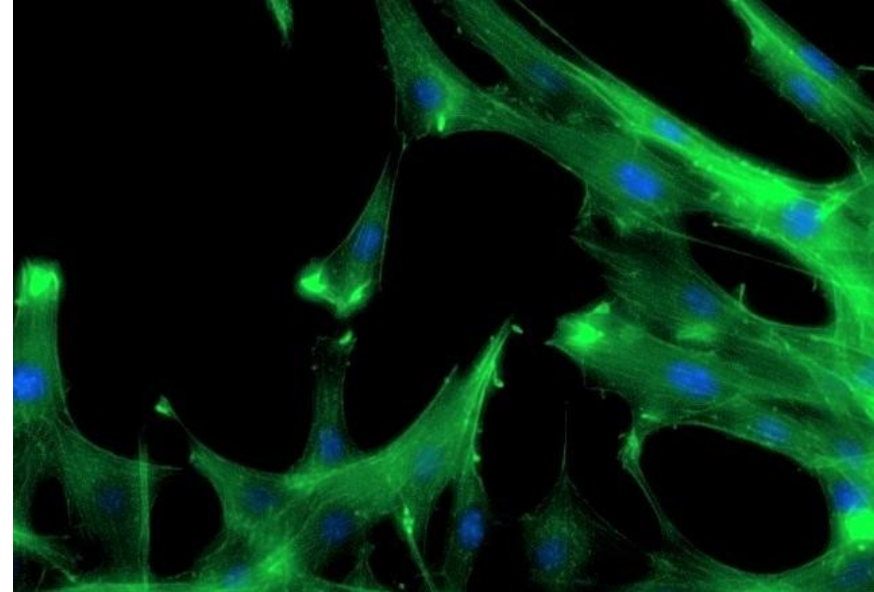


F - 2

Patient G

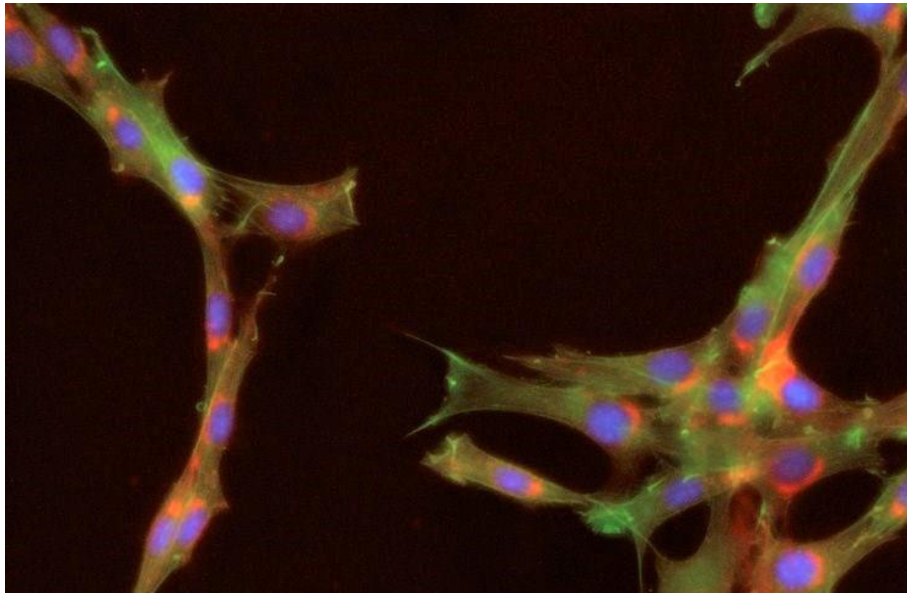


G - 1

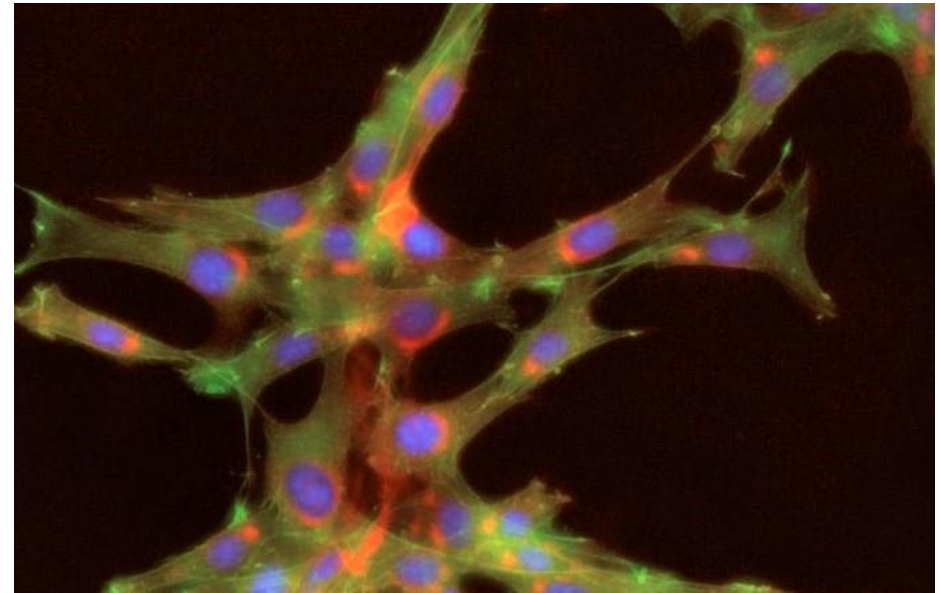


G - 2

Patient H

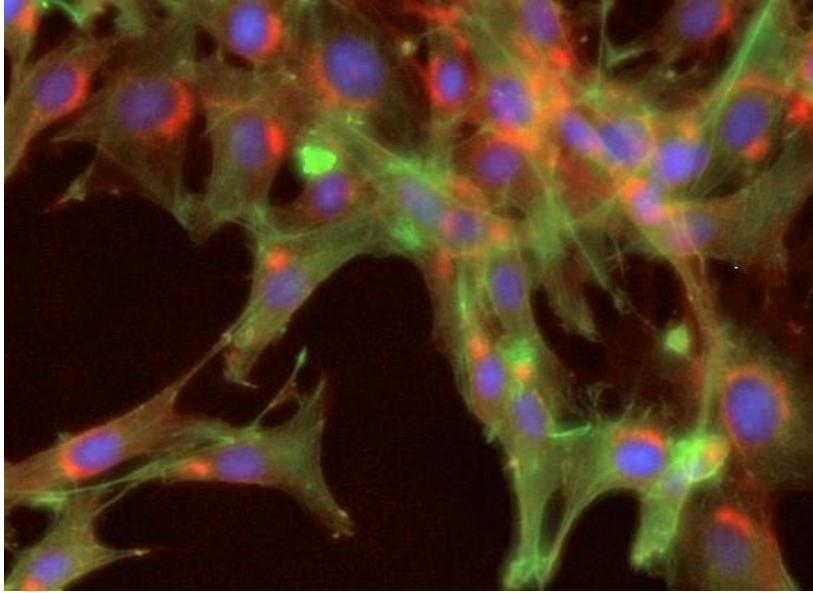


H - 1

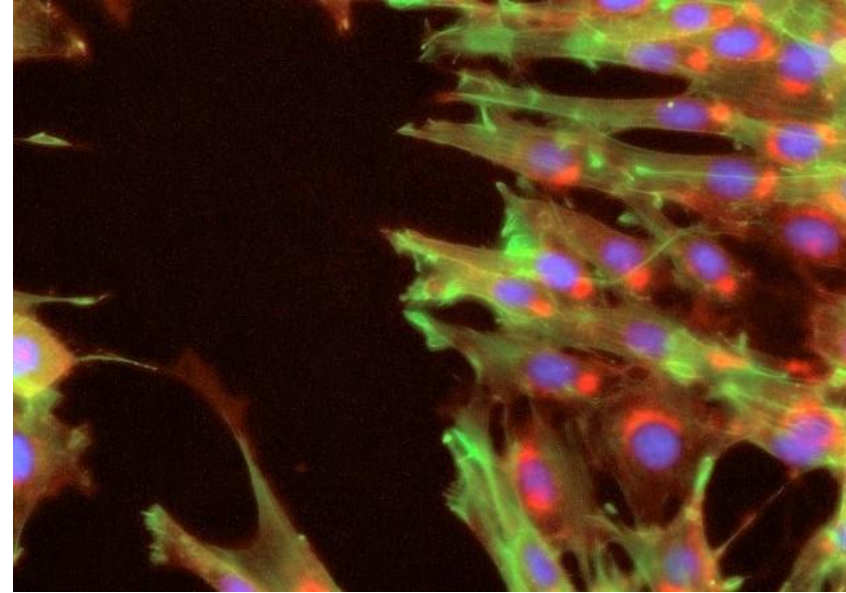


H - 2

Patient I

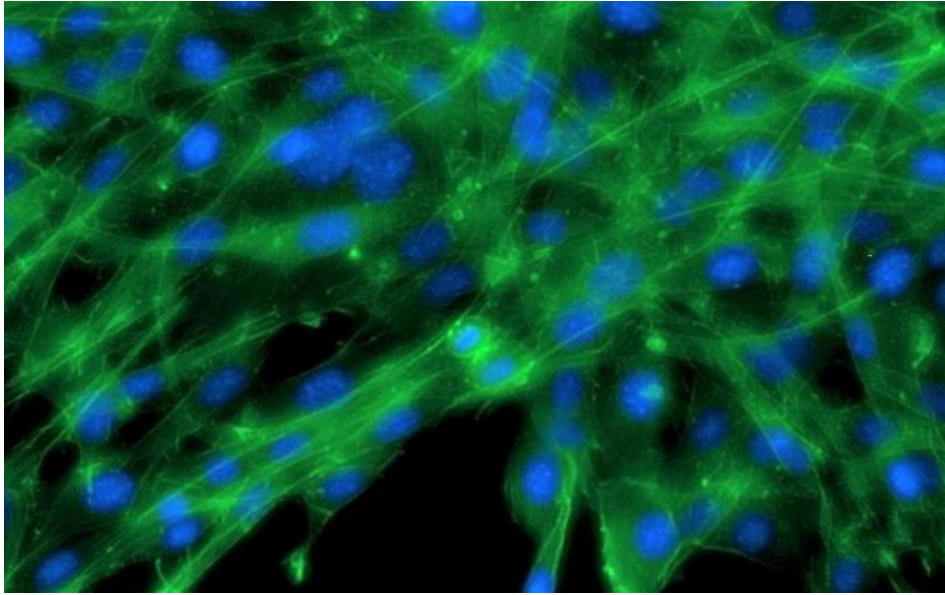


I - 1

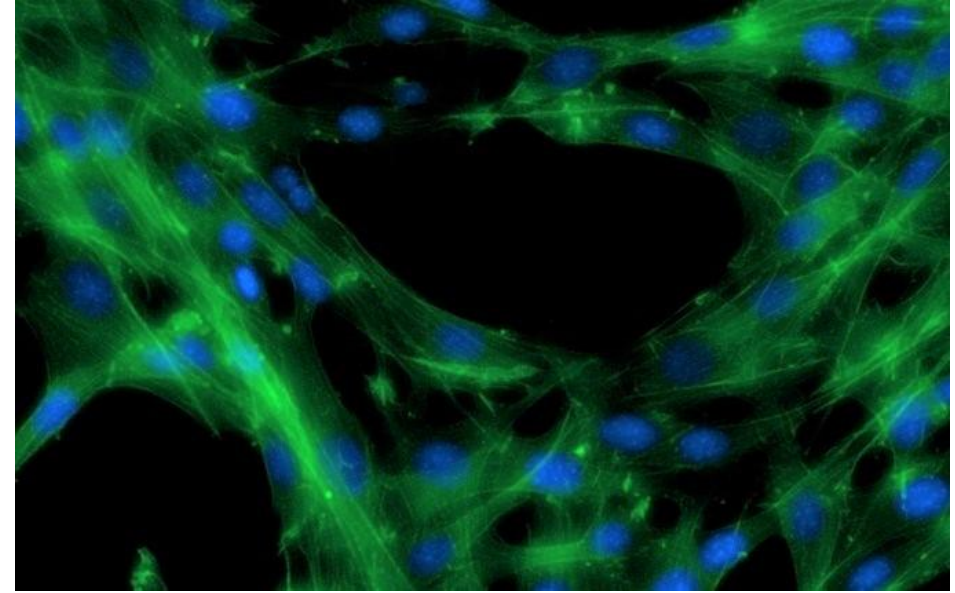


I - 2

Patient J

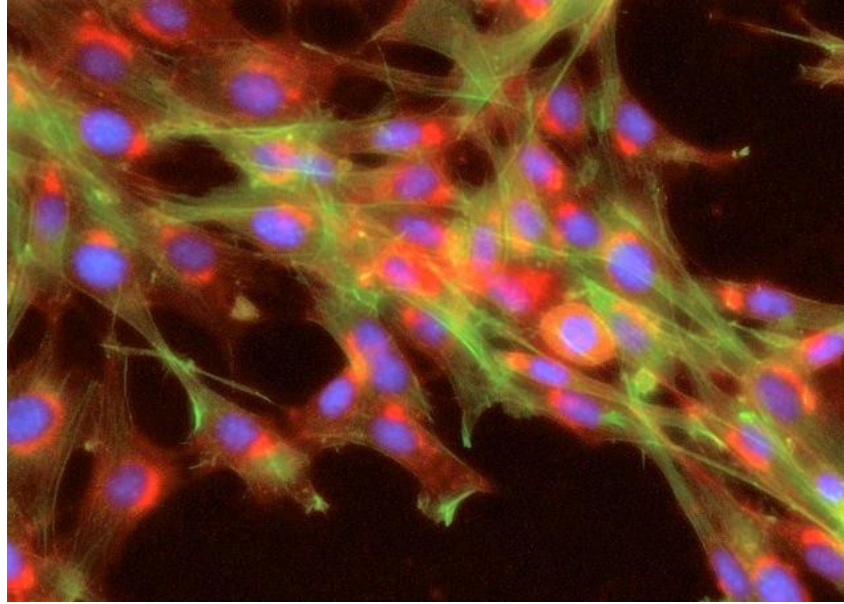


J - 1

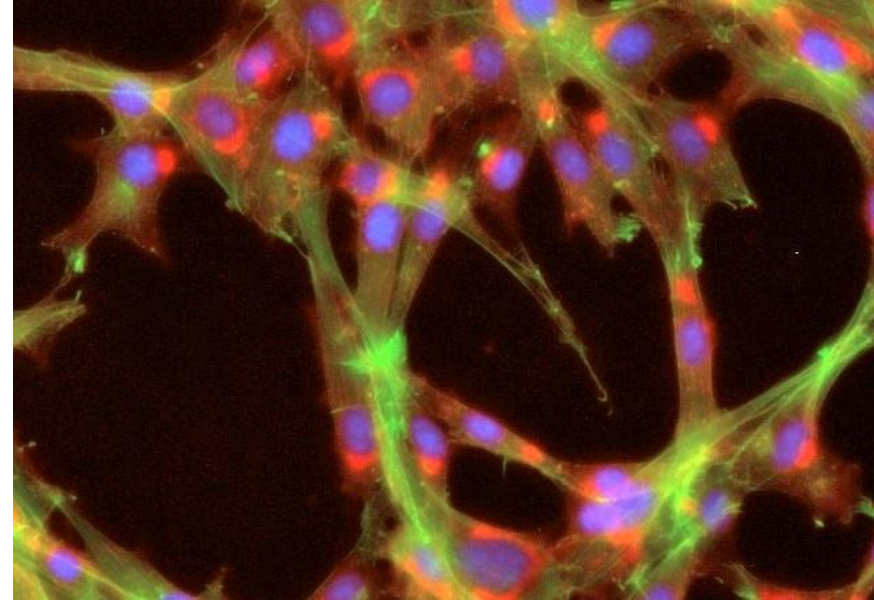


J - 2

Patient K

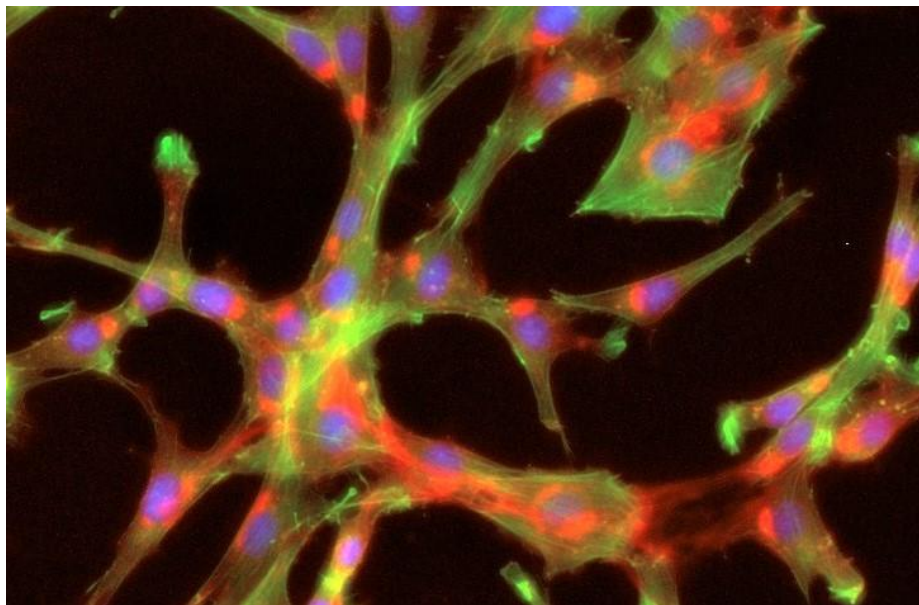


K - 1

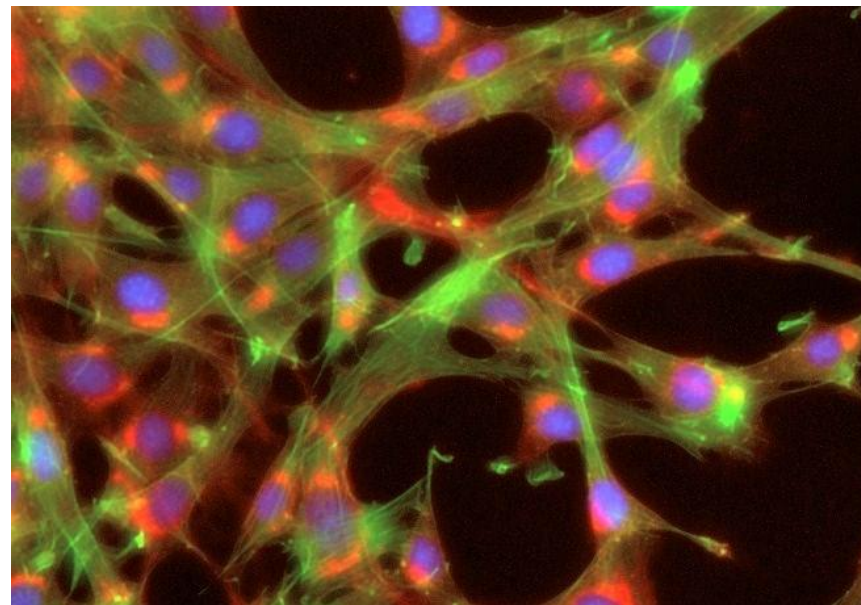


K - 2

Patient L



L - 1



L - 2