

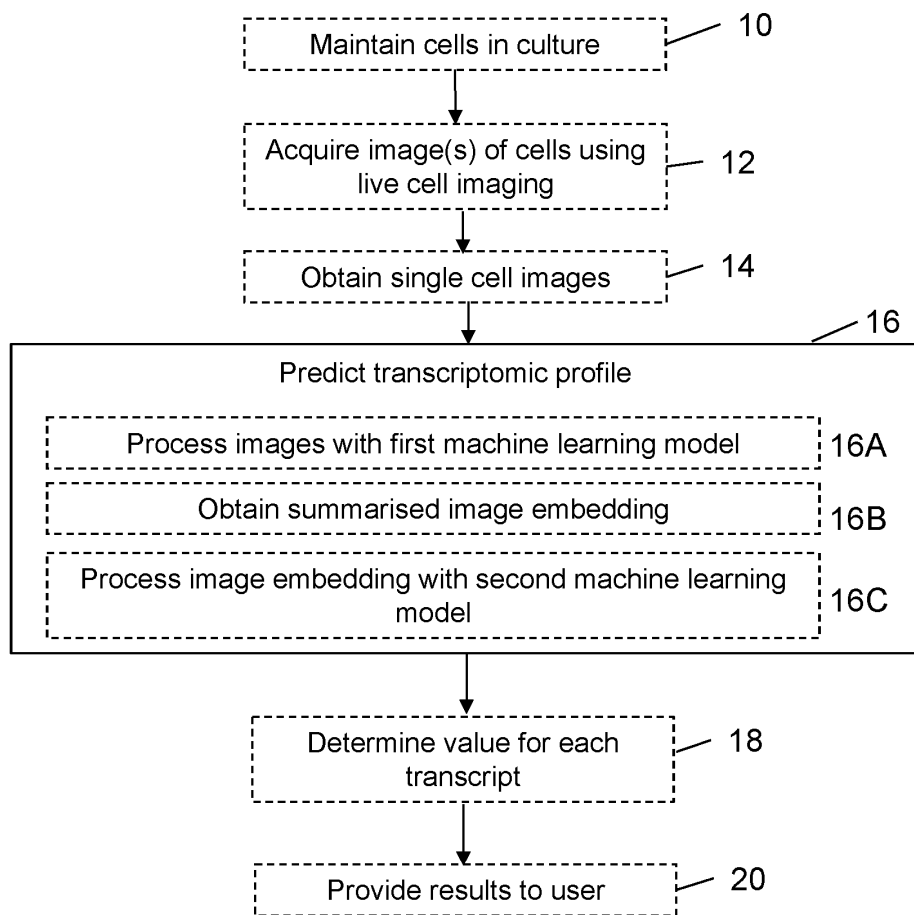


Fig. 1

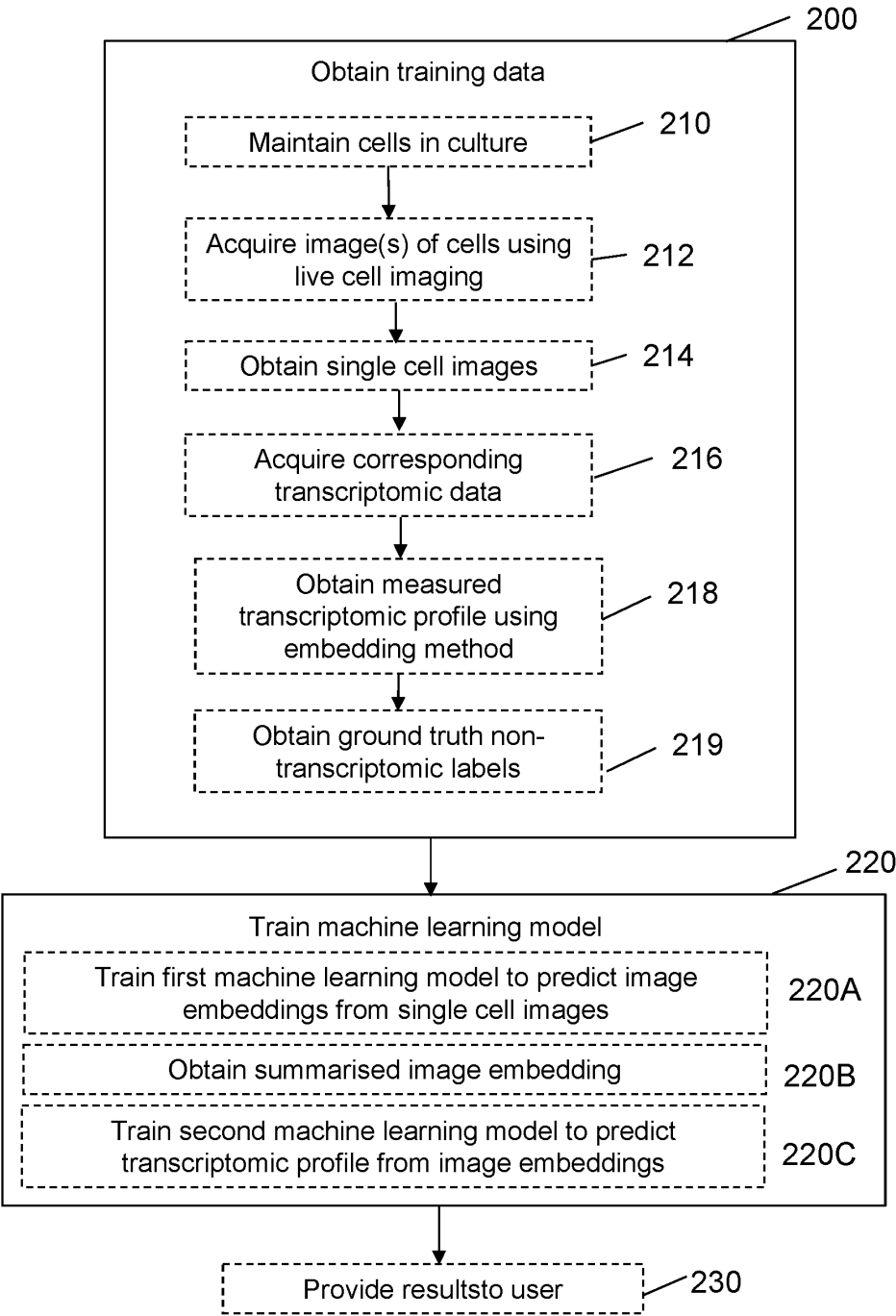


Fig. 2

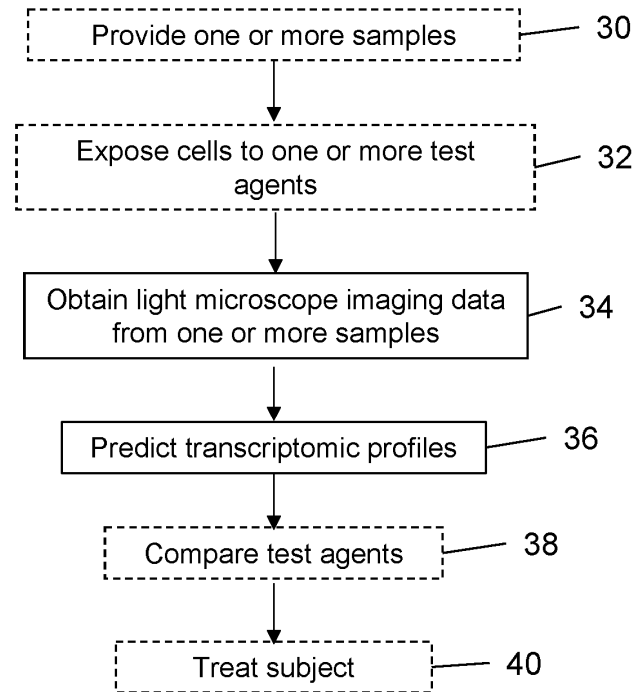


Fig. 3

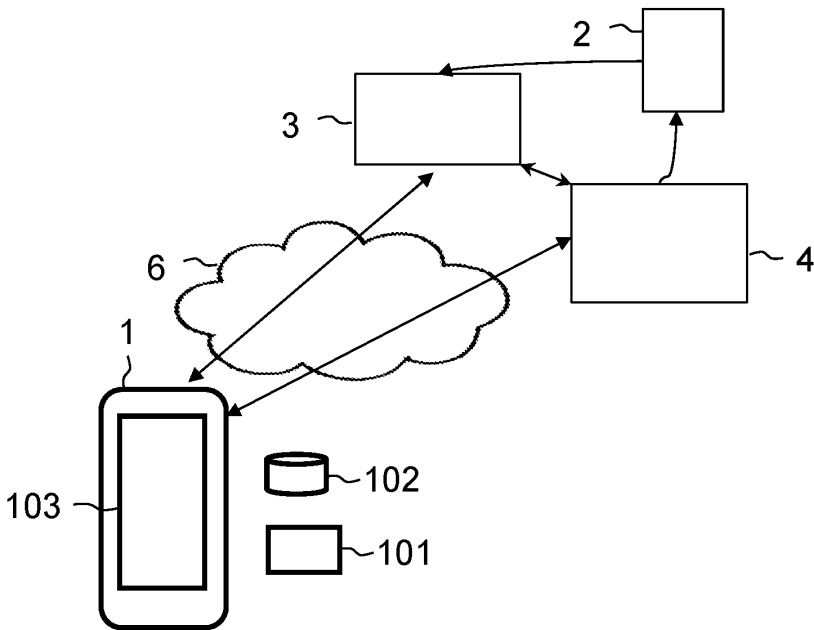


Fig. 4

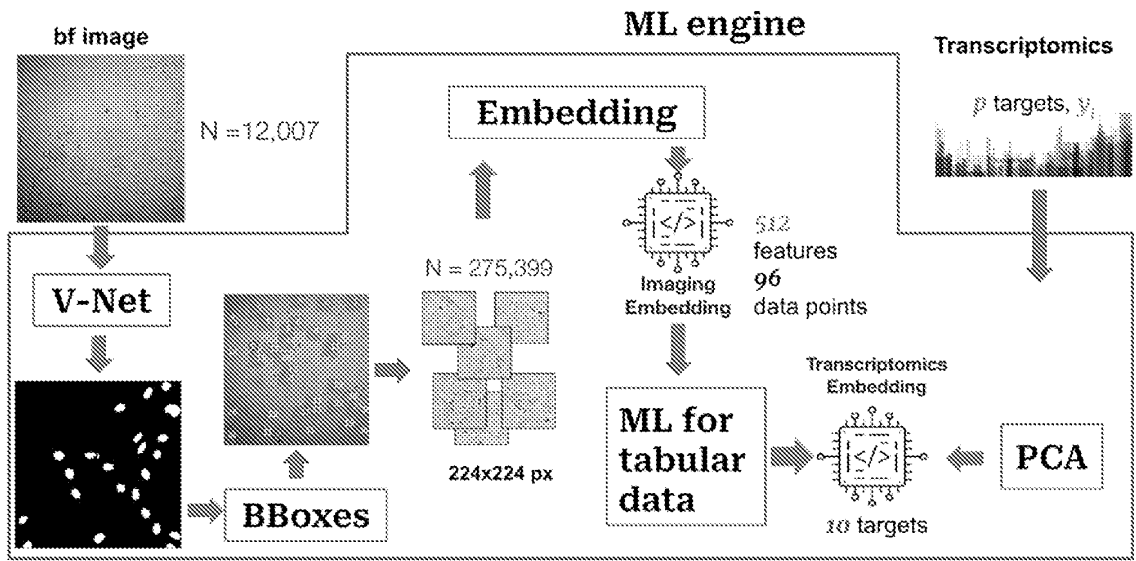


Fig. 5

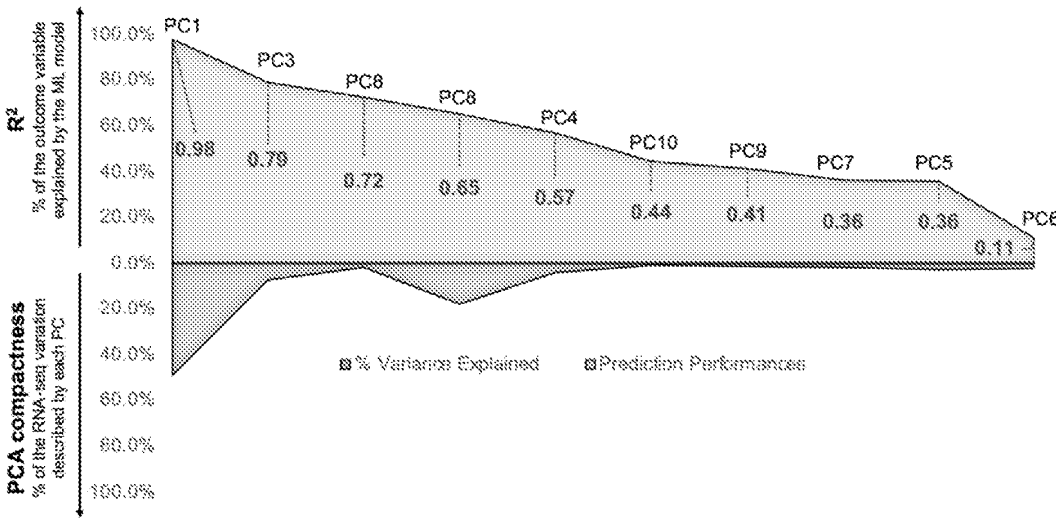


Fig. 6

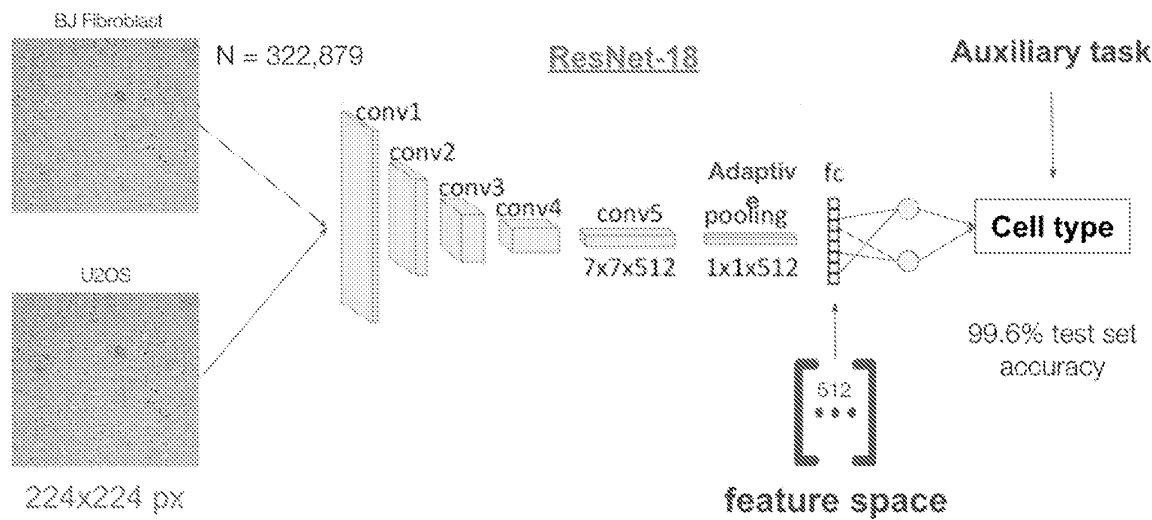


Fig. 7

Feature	-ive GO ENRICHMENT	+ive GO ENRICHMENT	% Variance Explained	Prediction Performances (R2)
PCA1	FPM315 motif	Extracellular matrix	49.00%	0.96
PCA3	Tgf beta inducible early gene 1 TF motif	RNA Pol 1 promoter opening	7.30%	0.79
PCA8	Nicotinamide metabolism	Hypoxia / Cell Immunity	1.70%	0.72
PCA2	Proteolysis	Translation	18.00%	0.65
PCA4	Heterophoria	Ribosome	4.00%	0.57
PCA10			1.00%	0.44
PCA9		Unfolded Protein Response	1.30%	0.41
PCA7	Emerin Complex/Skin	Diabetes	1.90%	0.36
PCA5	Large Drosha complex	lRNA	2.90%	0.36
PCA6	Cilium / mitochondrial membrane	PSD95-FYN-NR2A complex	2.30%	0.31

Fig. 8

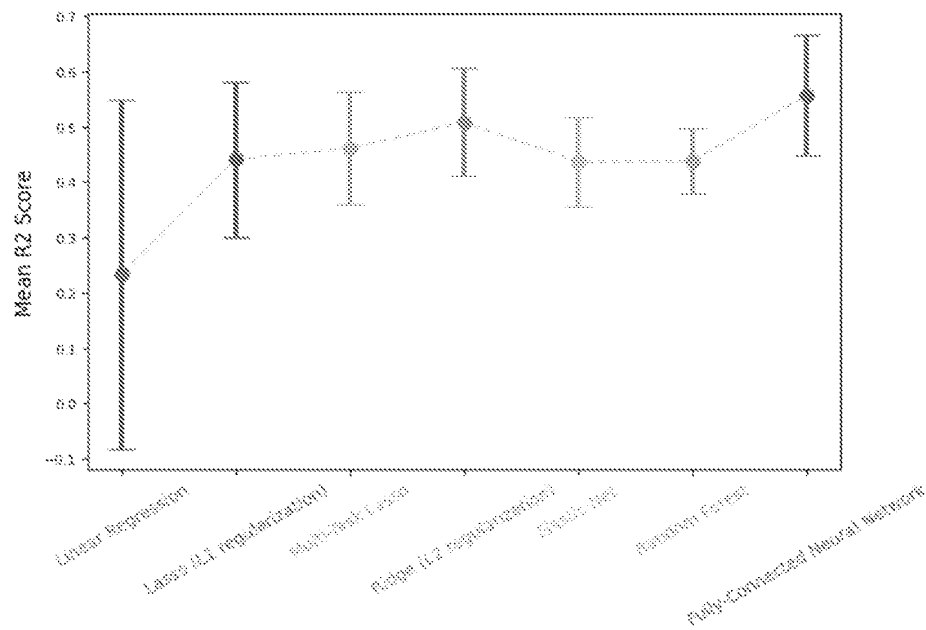


Fig. 9A

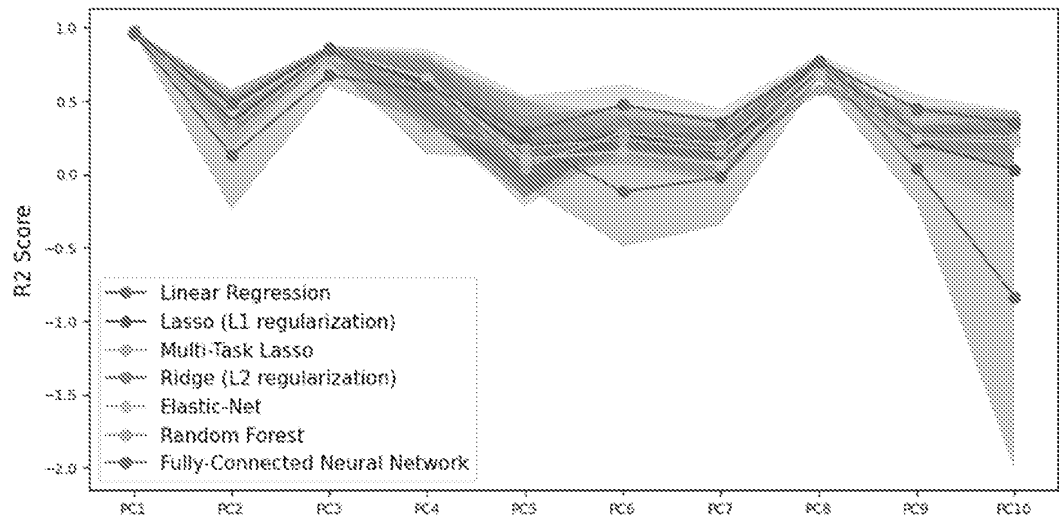


Fig. 9B