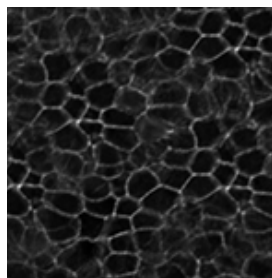


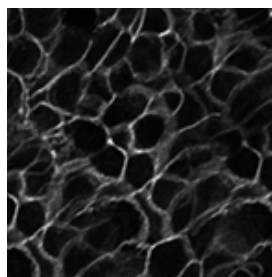
### 1. Extract Gabor Energy Features

$I_{ADH}$   $N \text{ px} \times N \text{ px}$



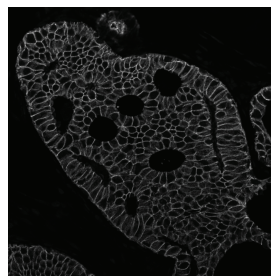
$[\mu_1 \dots \mu_{24}, \sigma_1 \dots \sigma_{24}]_1$   
 $\vdots$   
 $[\mu_1 \dots \mu_{24}, \sigma_1 \dots \sigma_{24}]_{N^2/4}$

$I_{DCIS}$   $N \text{ px} \times N \text{ px}$



$[\mu_1 \dots \mu_{24}, \sigma_1 \dots \sigma_{24}]_1$   
 $\vdots$   
 $[\mu_1 \dots \mu_{24}, \sigma_1 \dots \sigma_{24}]_{N^2/4}$

$I_U$



$[\mu_1 \dots \mu_{24}, \sigma_1 \dots \sigma_{24}]_1$   
 $\vdots$   
 $[\mu_1 \dots \mu_{24}, \sigma_1 \dots \sigma_{24}]_{N^2/4}$

### 2. Classify $I_U$ according to $I_{ADH}$ & $I_{DCIS}$ using $k$ -NN

$k$ -NN

### 3. Visualise classified pixels.

