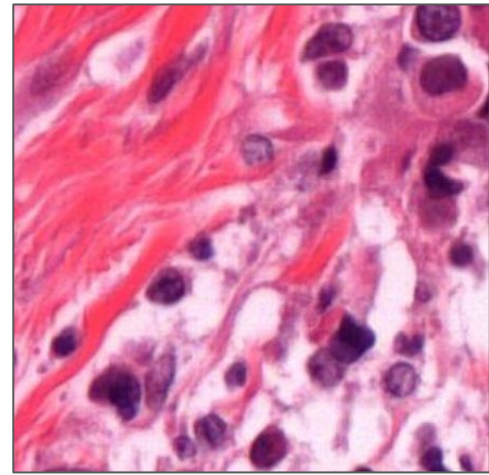
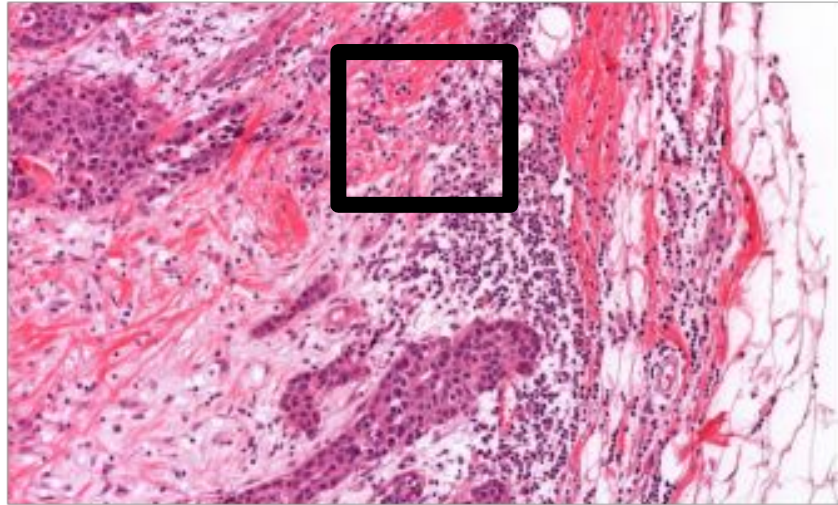


Week 3, Practical 8

Assignment E

Quantification of histochemical staining by **Color Deconvolution**

Raw IHC image



Stain 1



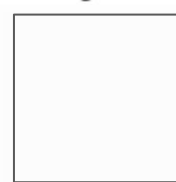
Eosin

Stain 2



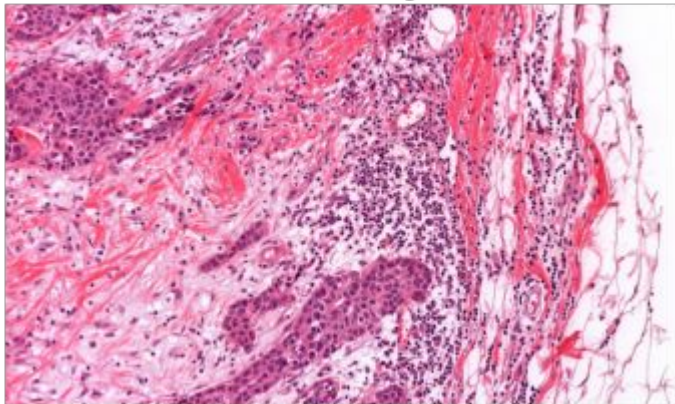
Hematoxylin

Background



Inputs

Raw IHC image



RGB mean of cropped images

Stain 1



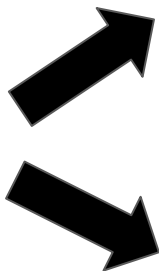
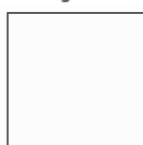
Eosin

Stain 2



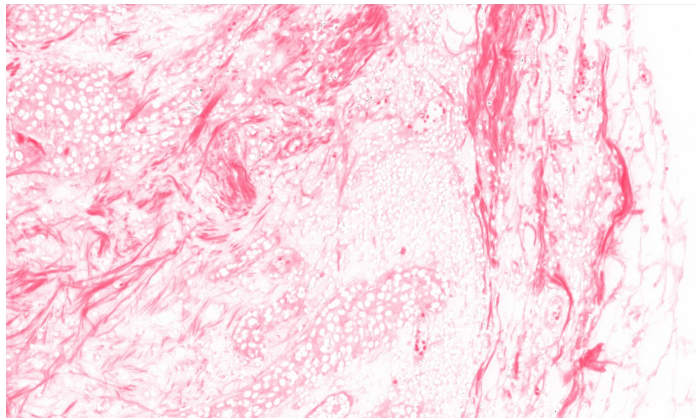
Hematoxylin

Background

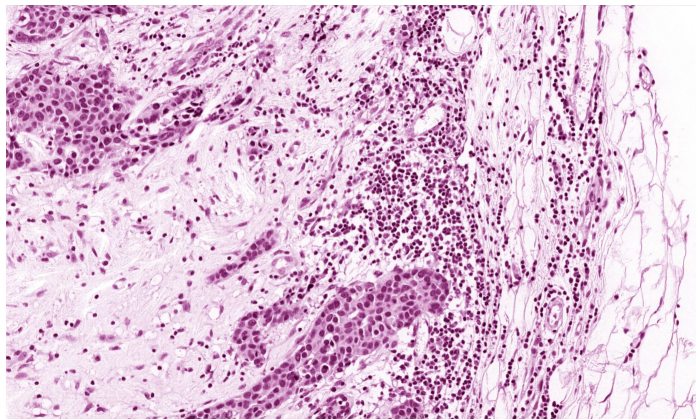


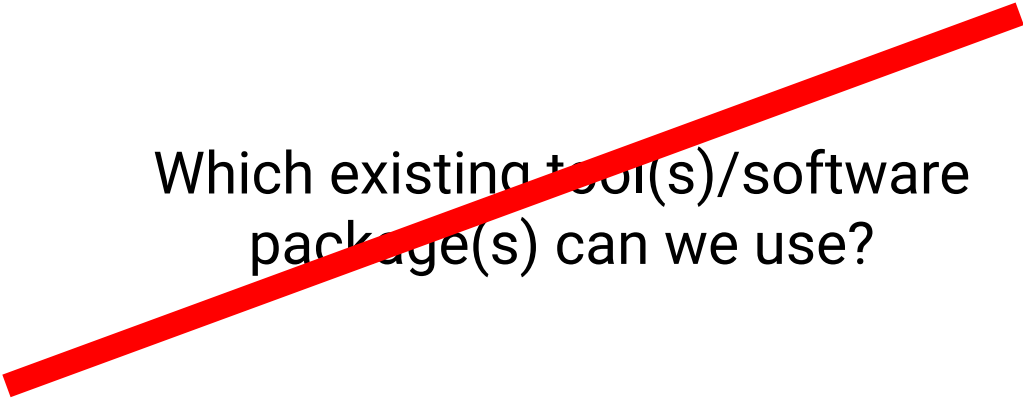
Output

Deconvolved image for stain 1



Deconvolved image for stain 2





Which existing tool(s)/software
package(s) can we use?

Which method can I reproduce to use
for my application

Goal

Reproduce a color deconvolution method from a frequently cited paper about color deconvolution (Ruifrok and Johnston, 2001)

References:

1. Today's lecture
2. (Ruifrok and Johnston, 2001)
3. Assignment sheet
4. Starting script