```
clear all

I = imread('cell2.jpg');
Ig = rgb2gray(I);
nhood = [32 32];    % change per iteration?!?!1

for j = 1:4
    Igmed = medfilt2(Ig, nhood./2);
    J = adapthisteq(Igmed);
    Ig = J;
end

figure(1)
imshow(I)
title('original')
figure(2)
imshow(Igmed)
title('last median filtered pic')
figure(3)
imshow(J)
title('last adaptive hist equalized pic')
```

```
Warning: Image is too big to fit on screen; displaying at 50%
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```
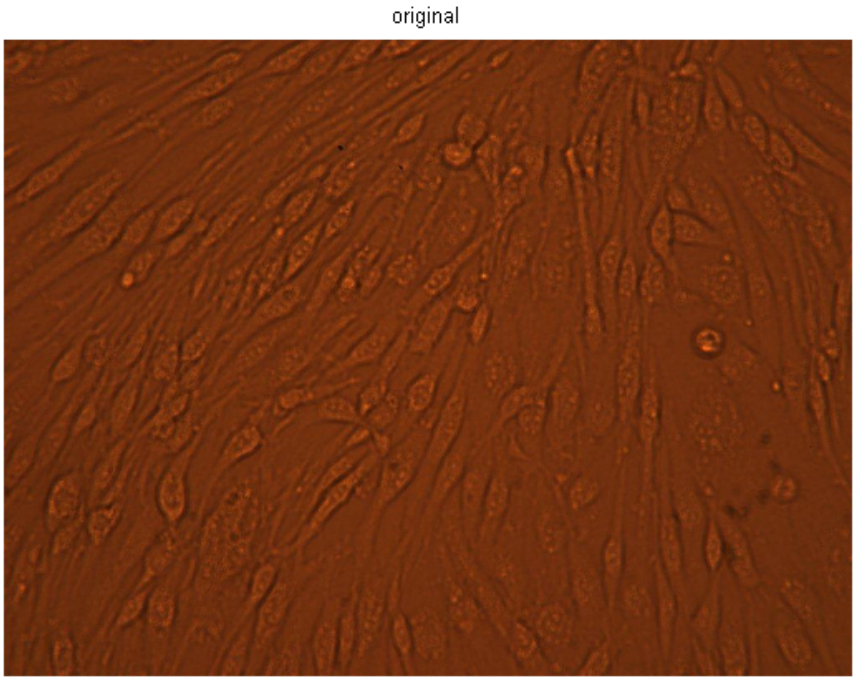
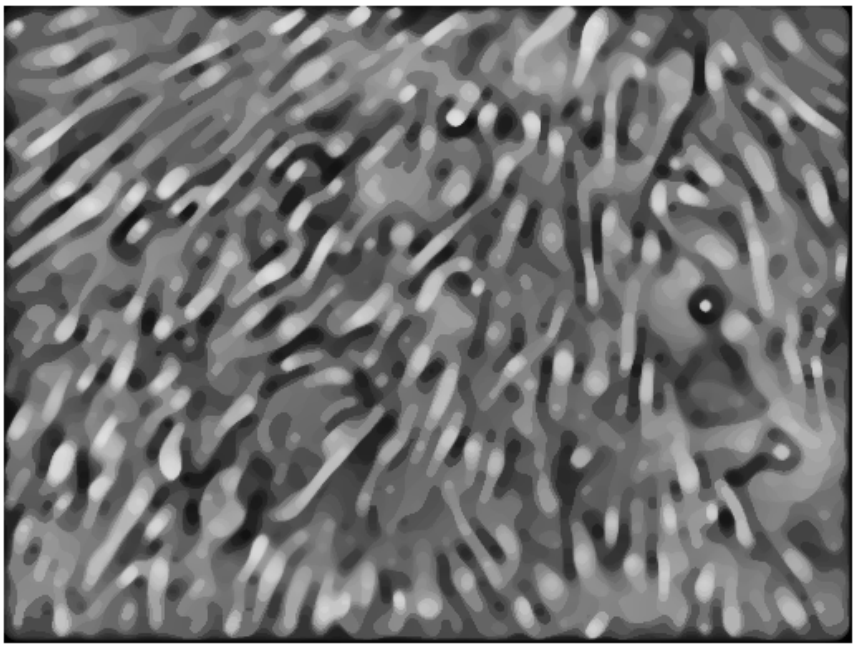
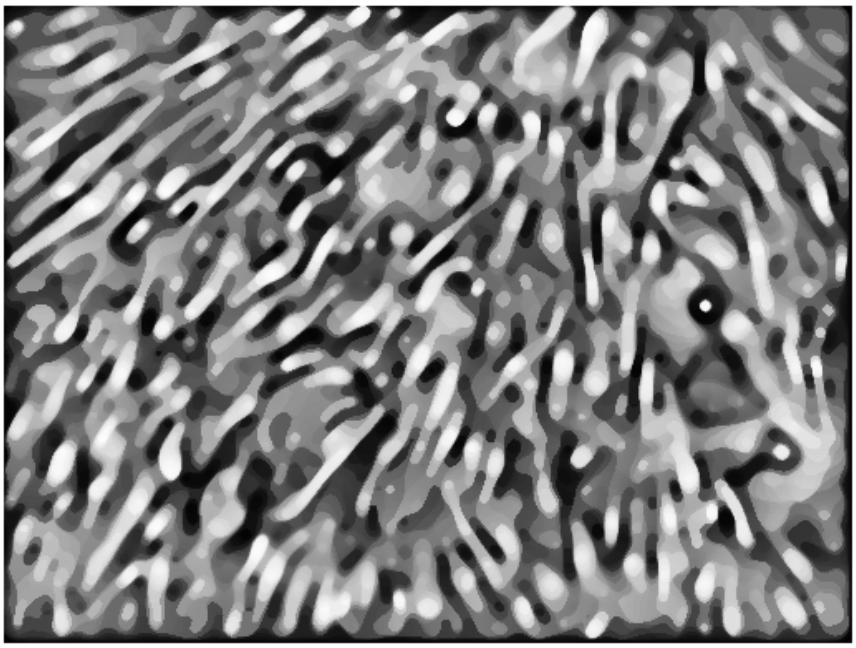



last median filtered pic



last adaptive hist equalized pic



Speckling Tails

```
[Fxmed Fymed] = gradient(double(I(:, :, 1)));
[Fx Fy] = gradient(double(I(:, :, 1)));
```

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