Cleaning console

```
clear;
clc;
```

Setting file system variables

```
home = '/Users/edwinjoseph/Projects/leather-species-identification';
% home = pwd;

srcDir = strcat(home,'/Matlab/surf');

images = strcat(home,'/data/images/grey');
if not(isfolder(images))
   error(strcat('image source folder does not exist: ', images));
   exit(1);
end

operation = "HOG";

features = sprintf("%s/data/features/%s", home, operation);
if not(isfolder(features))
   mkdir(features);
end

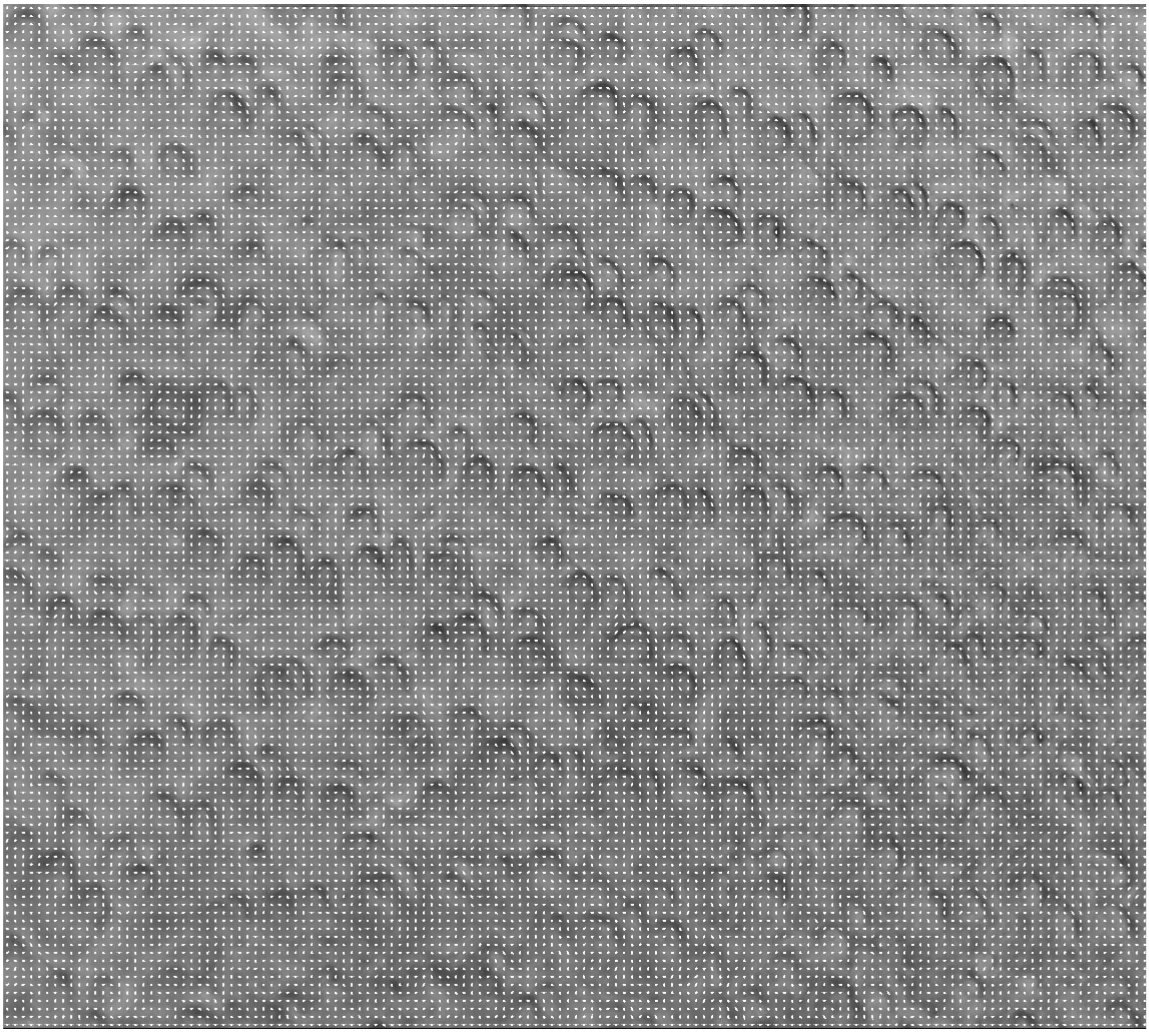
elements = ["Cow", "Sheep", "Goat", "Buff"];
```

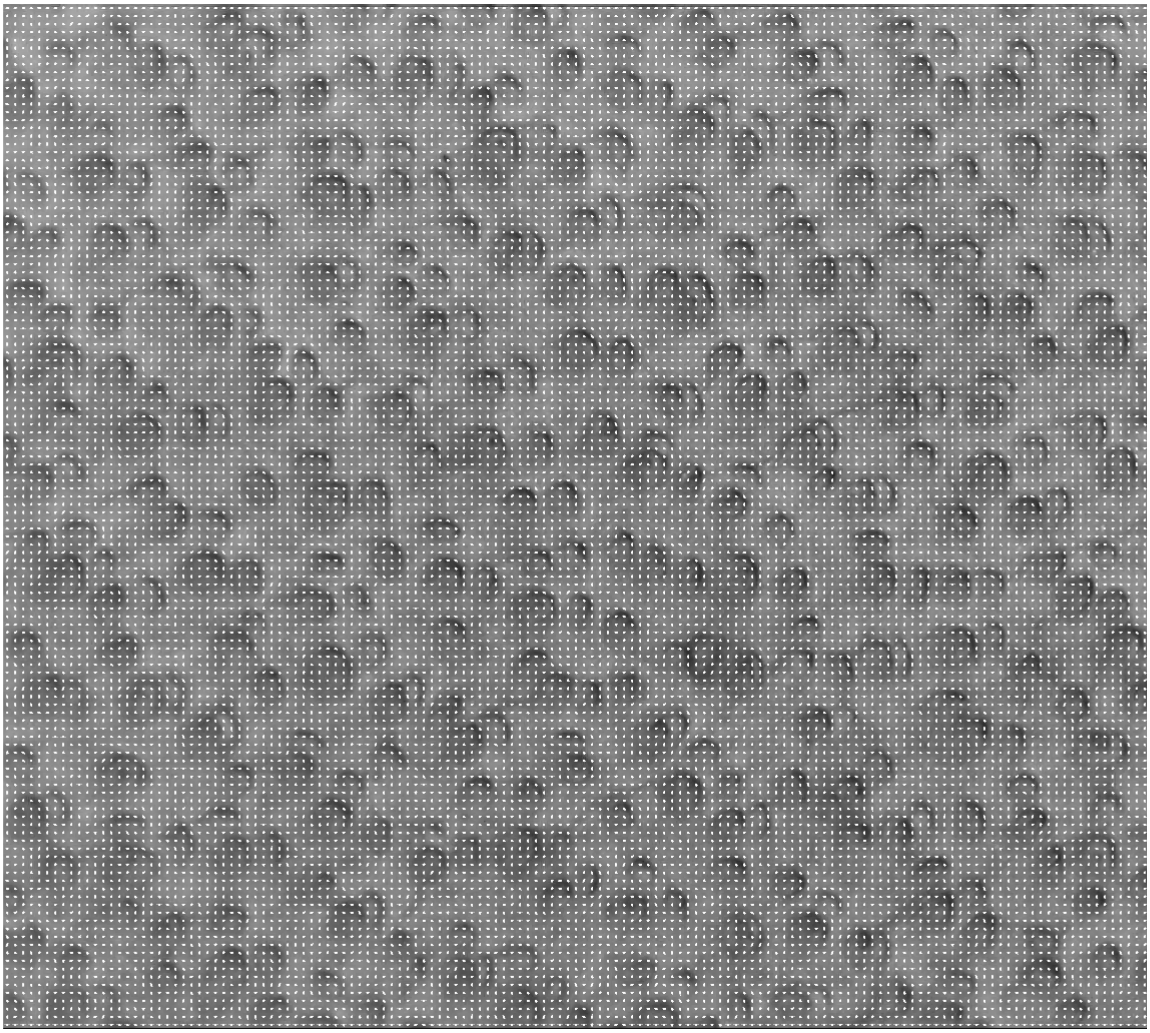
File Management

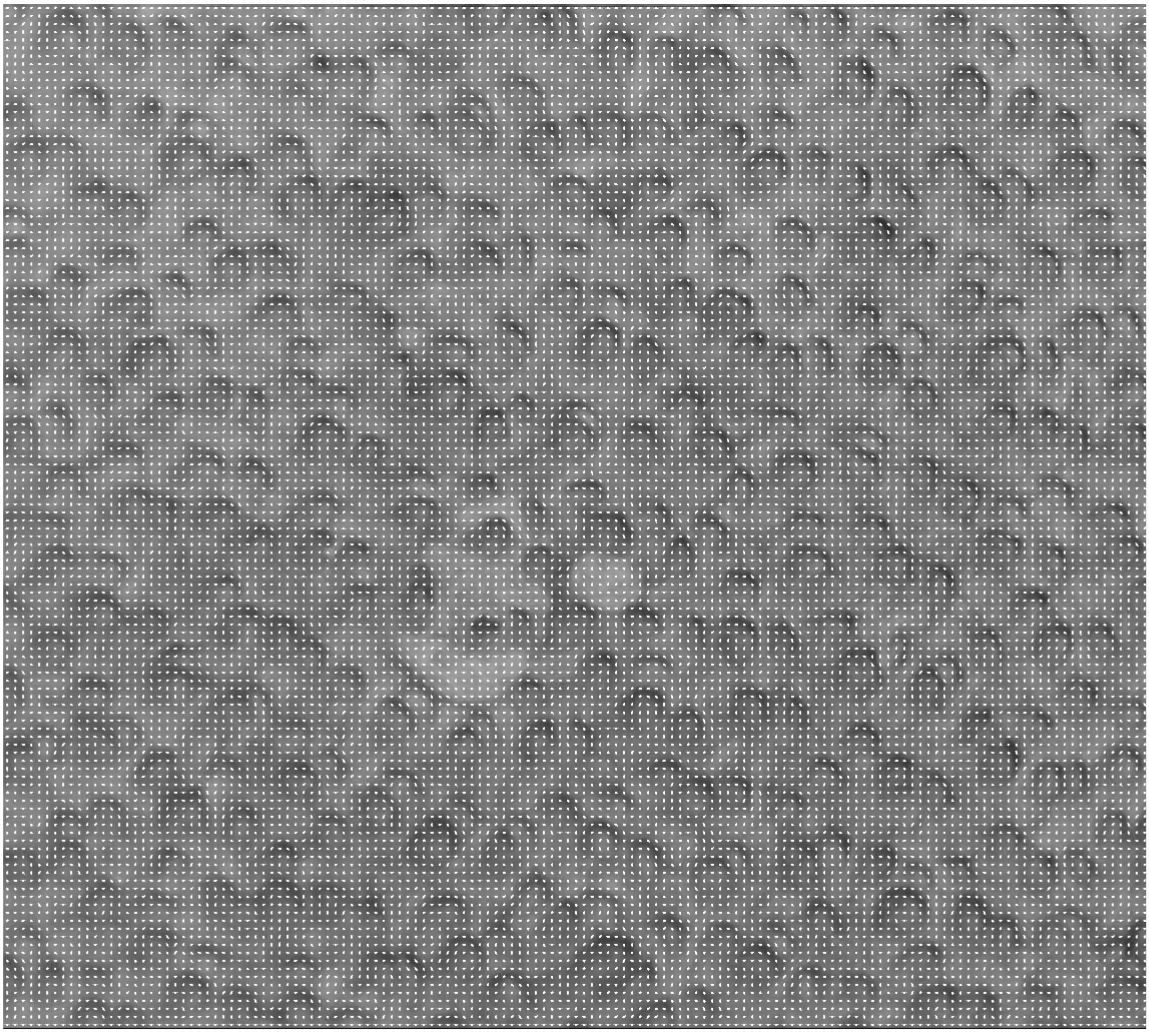
```
for type=elements
    mkdir(sprintf("%s/%s", features, type));
%     for i=1:1
    for i=1:4
        fileName = sprintf("%s/%s/%s (%d).jpg", images, type, type, i);
        saveAs = sprintf("%s/%s/%s (%d).csv", features, type, type, i);
        saveHOGFiles(fileName, saveAs);

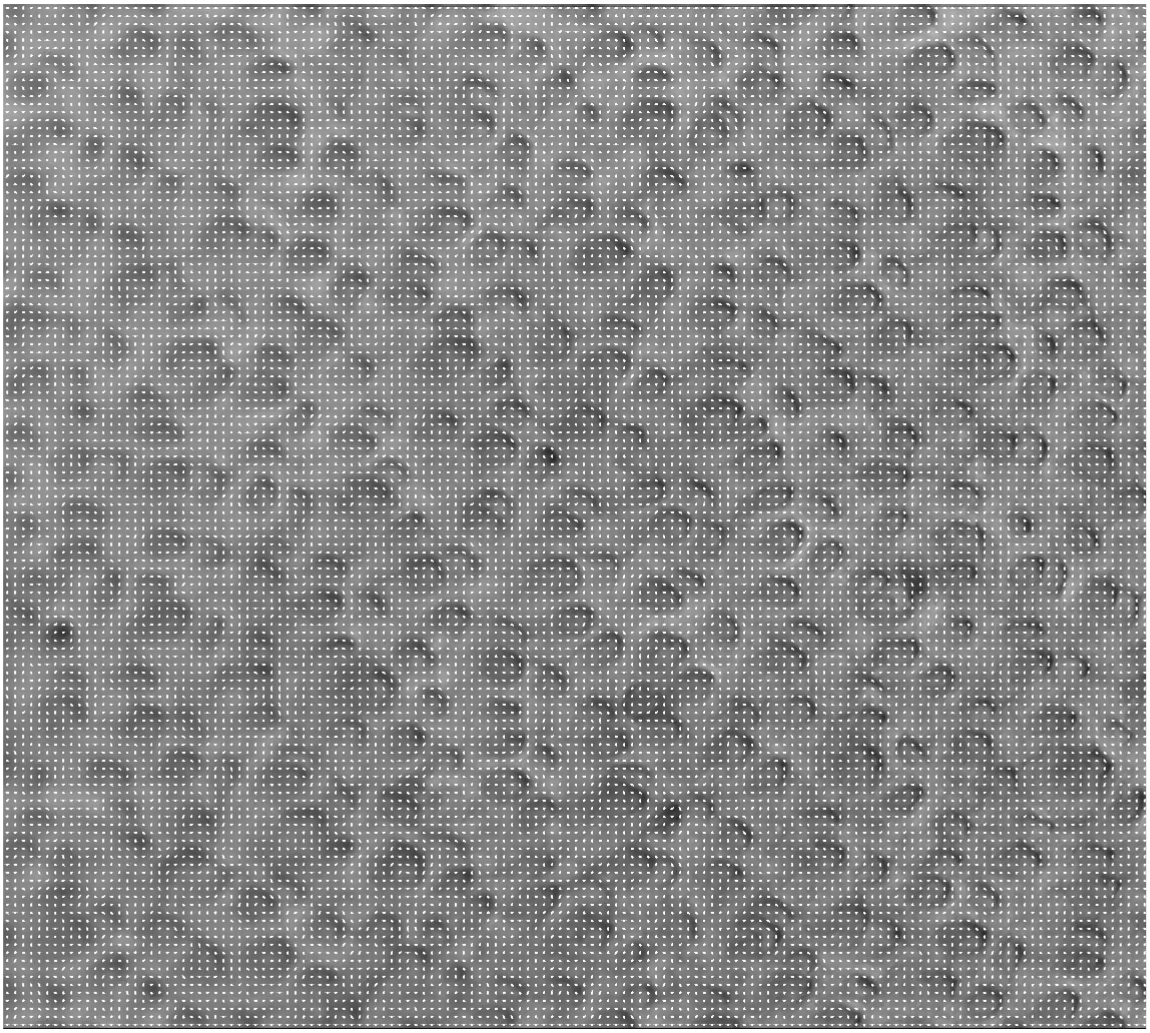
    end
end
```

```
Warning: Directory already exists.
```









```
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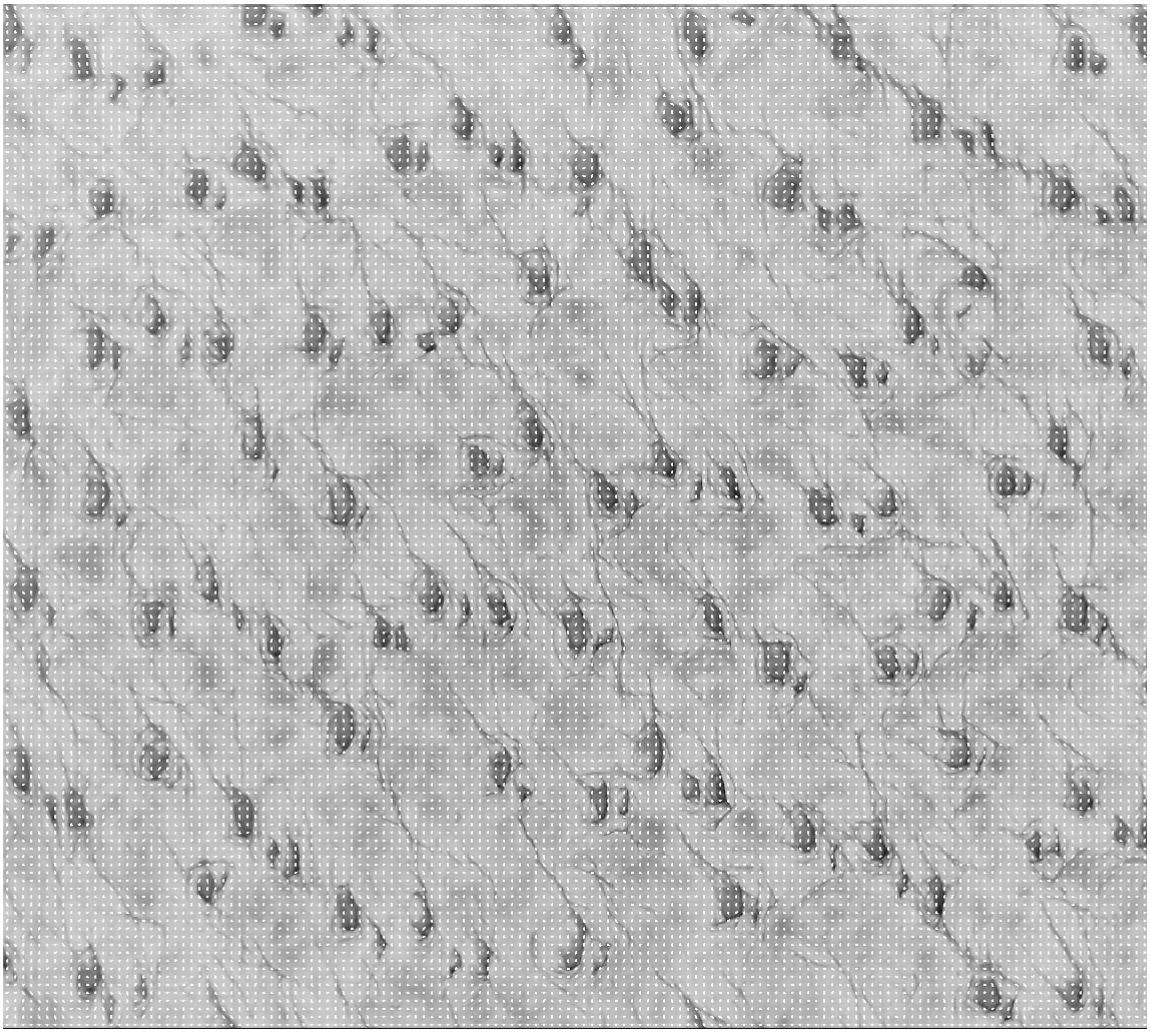

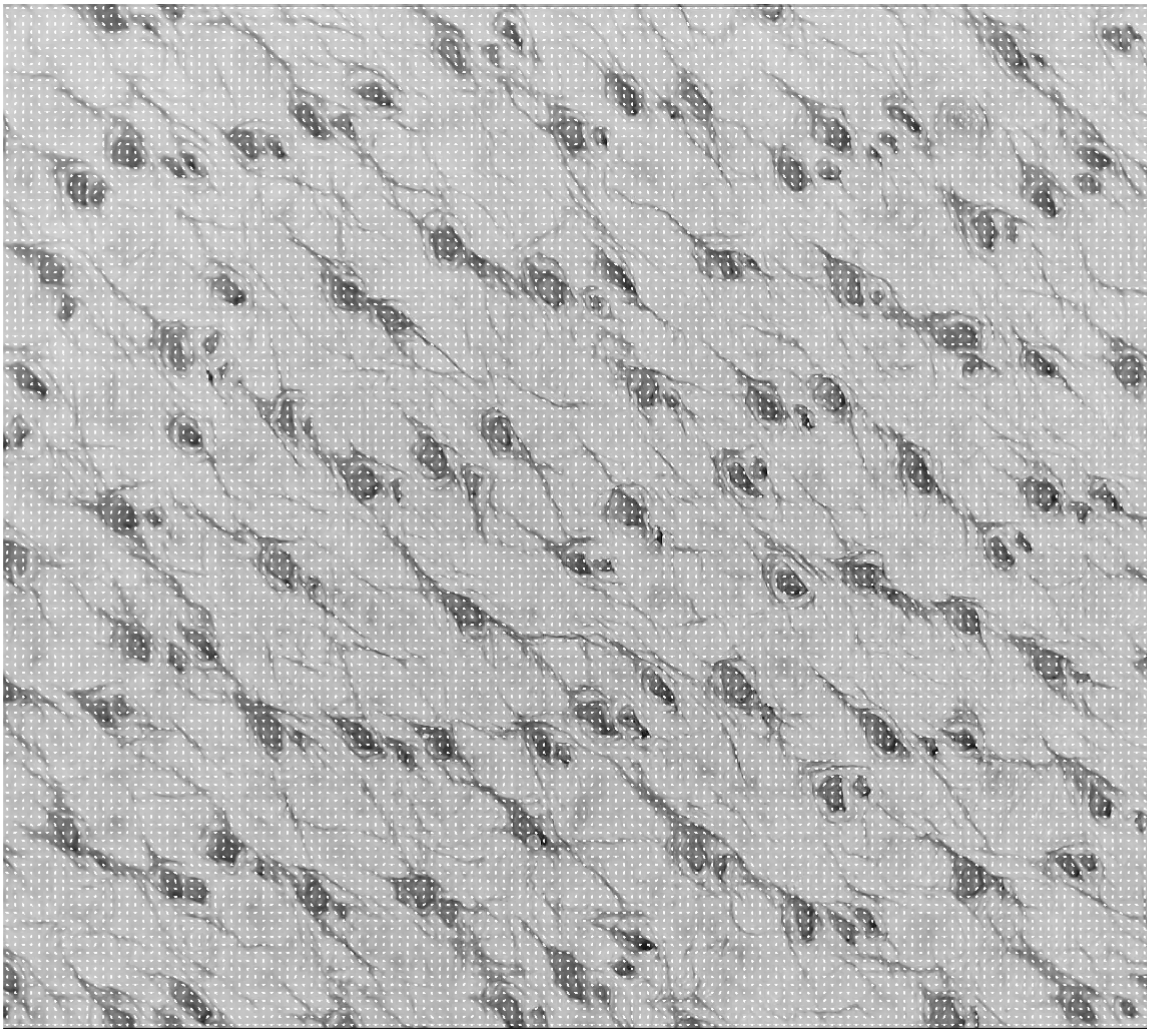

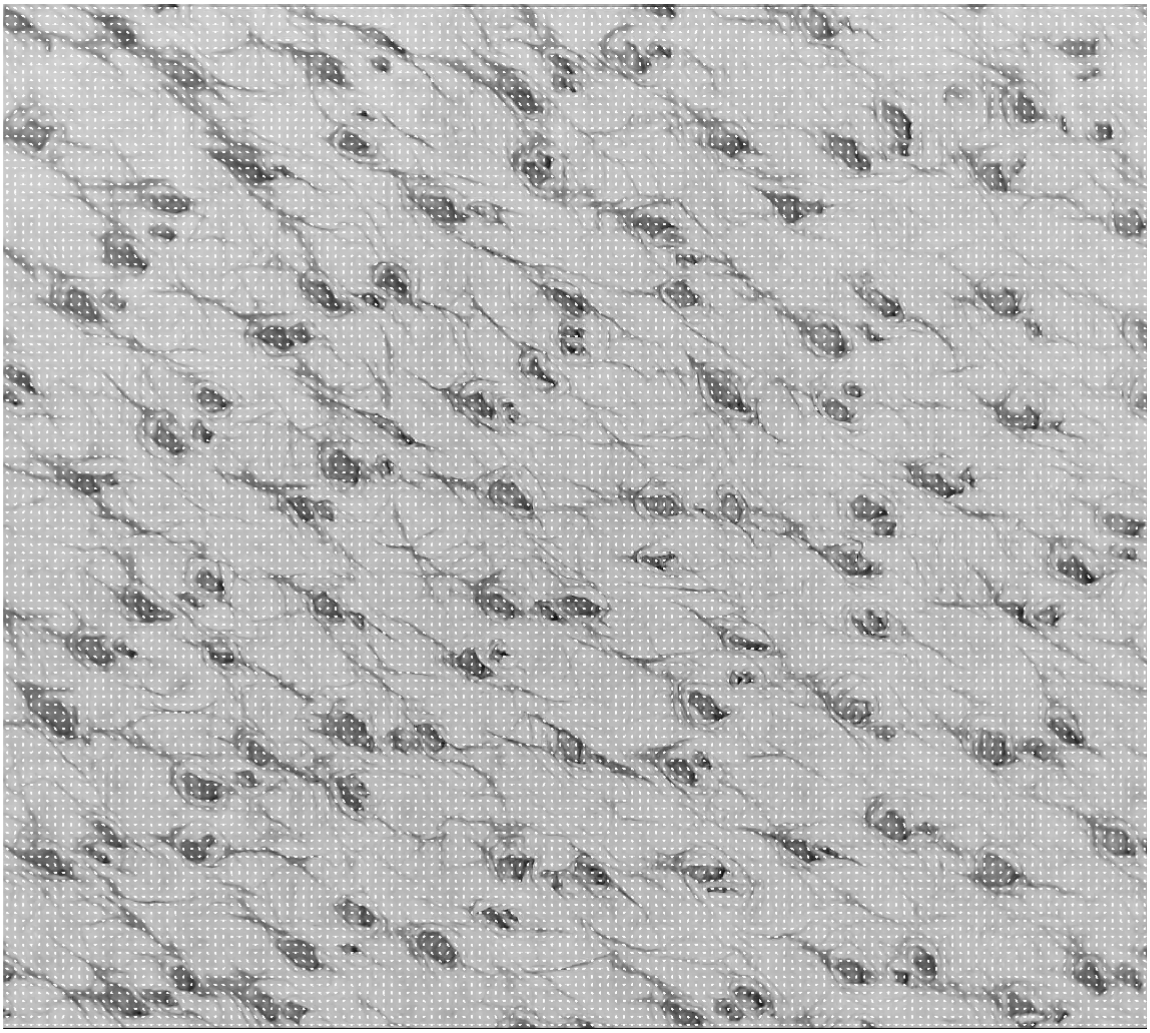

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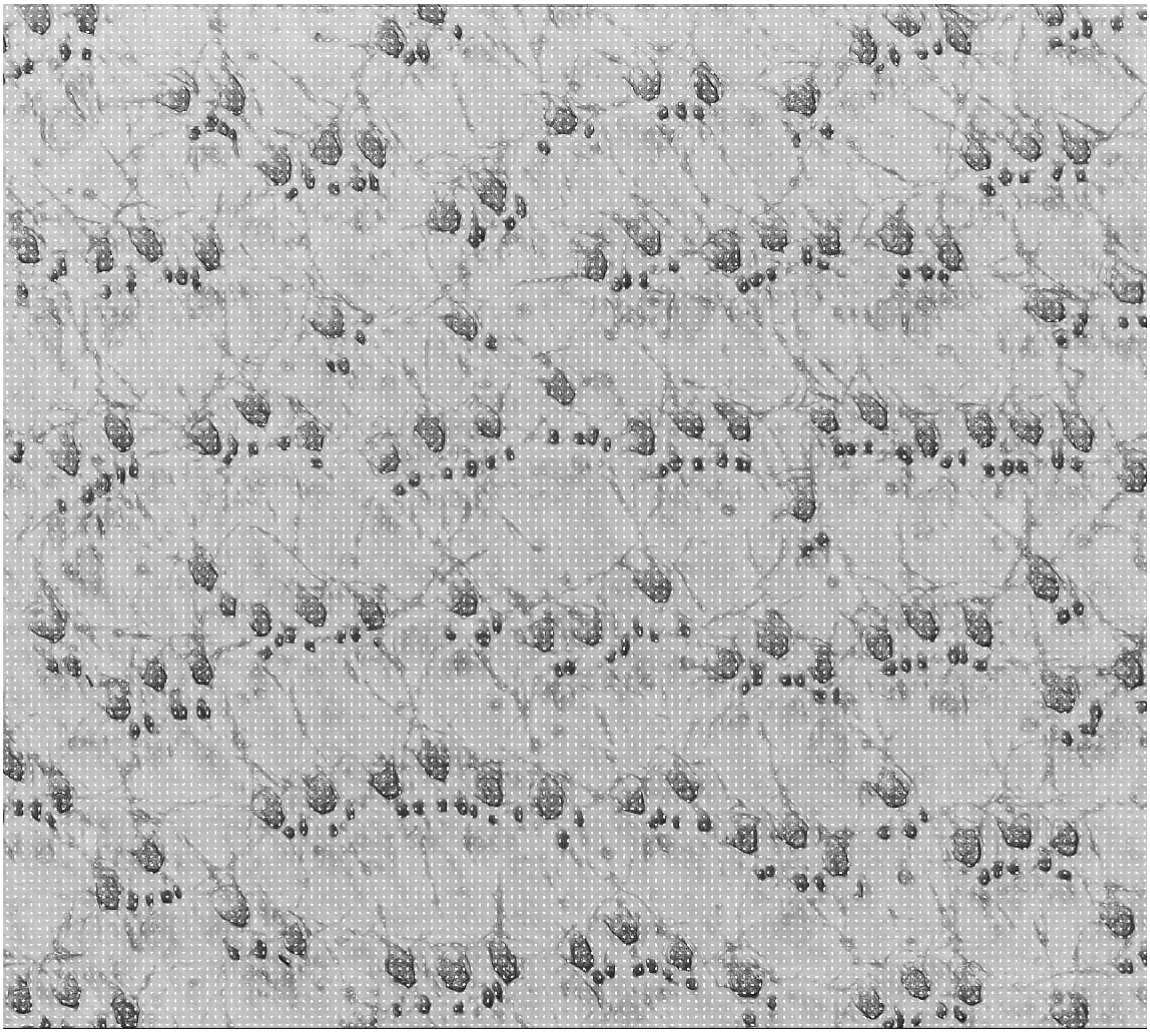

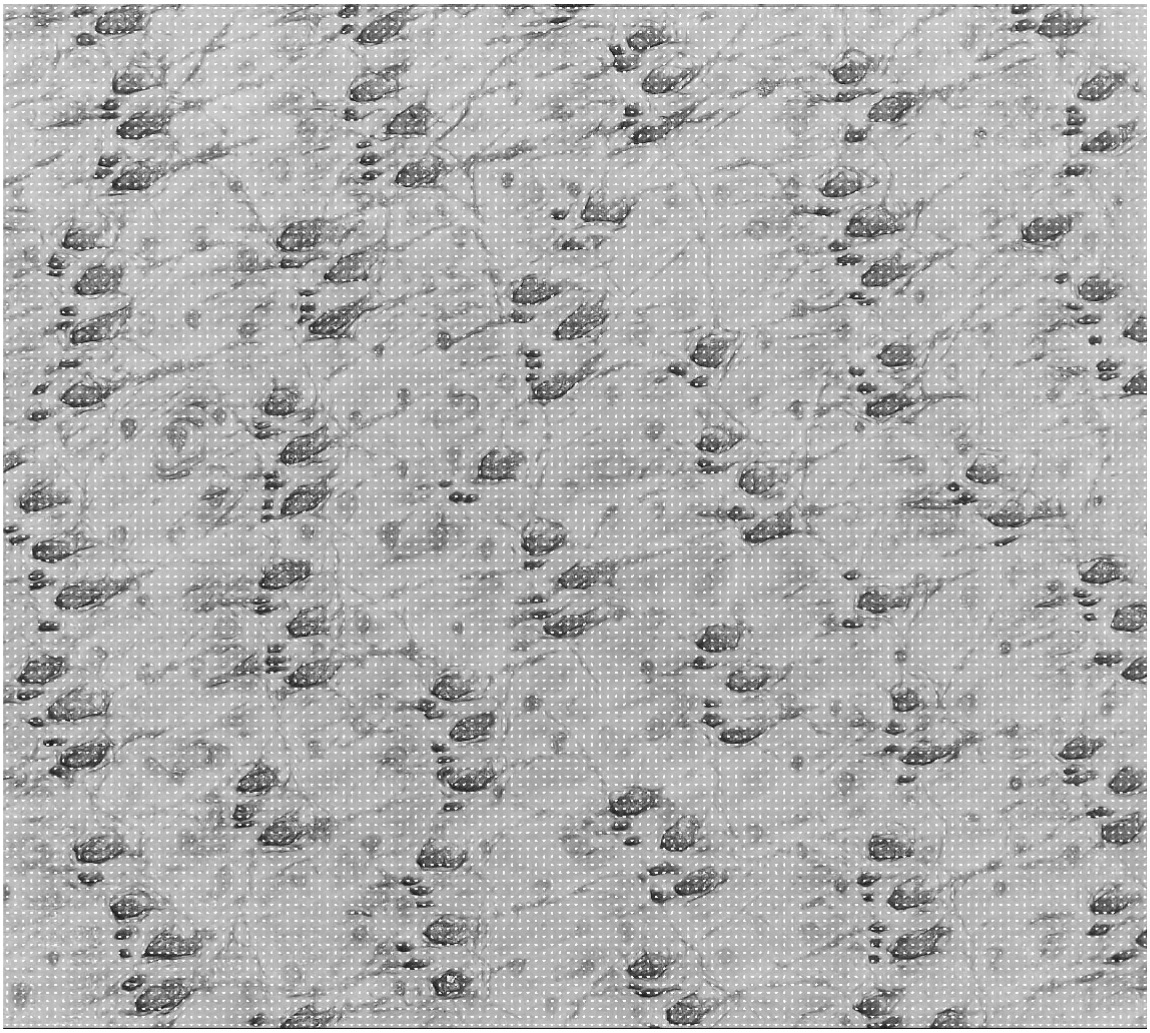

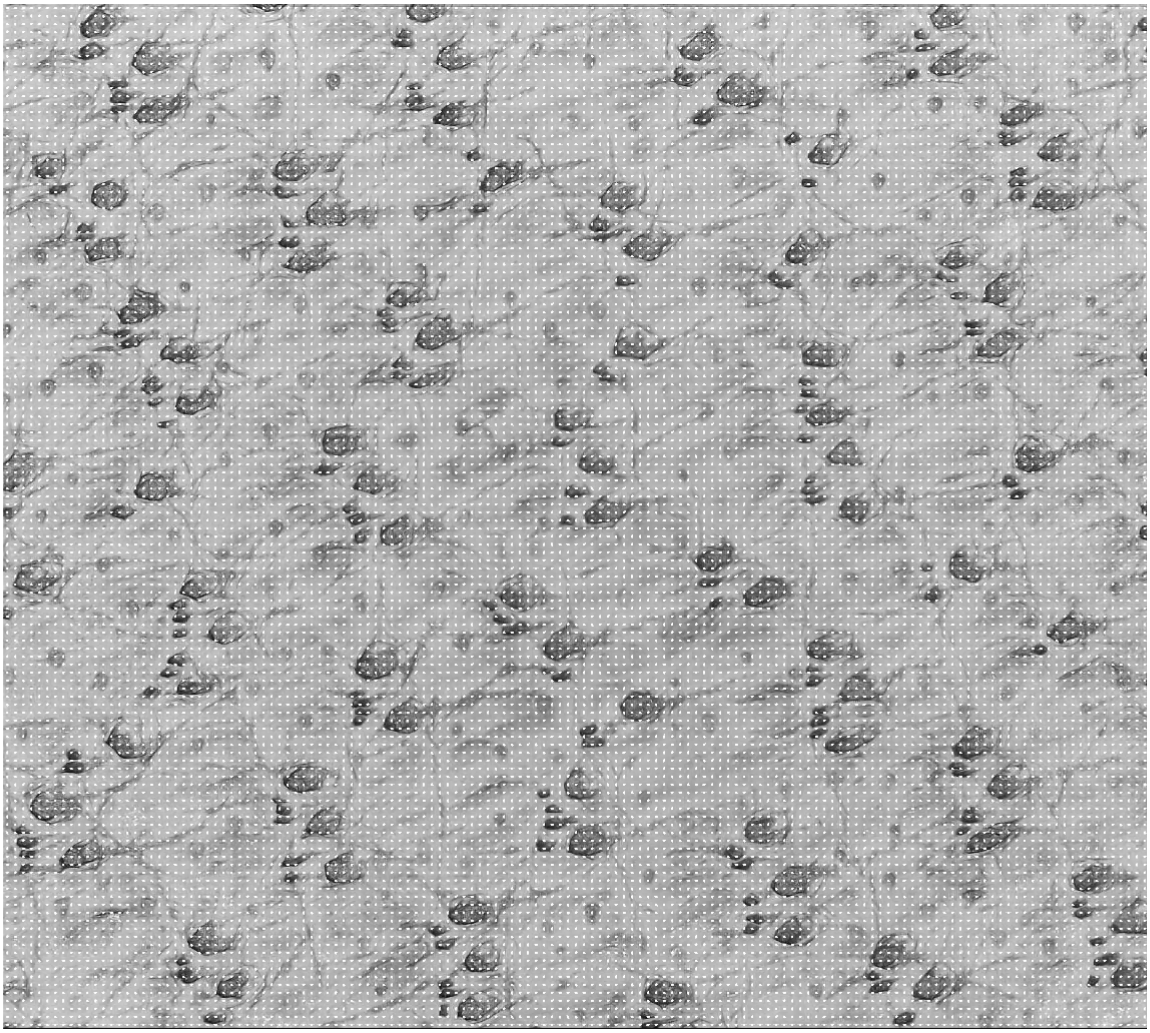

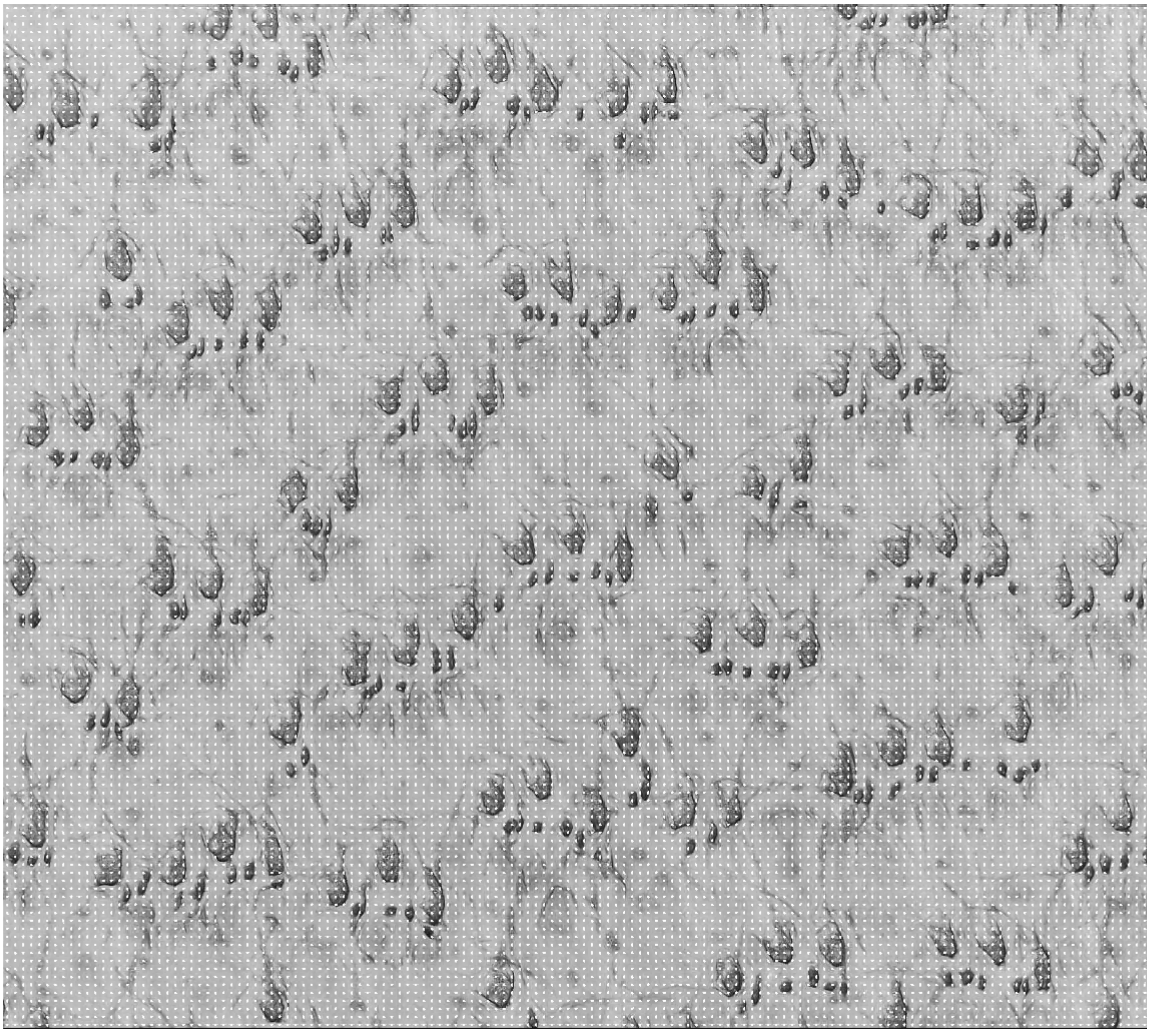
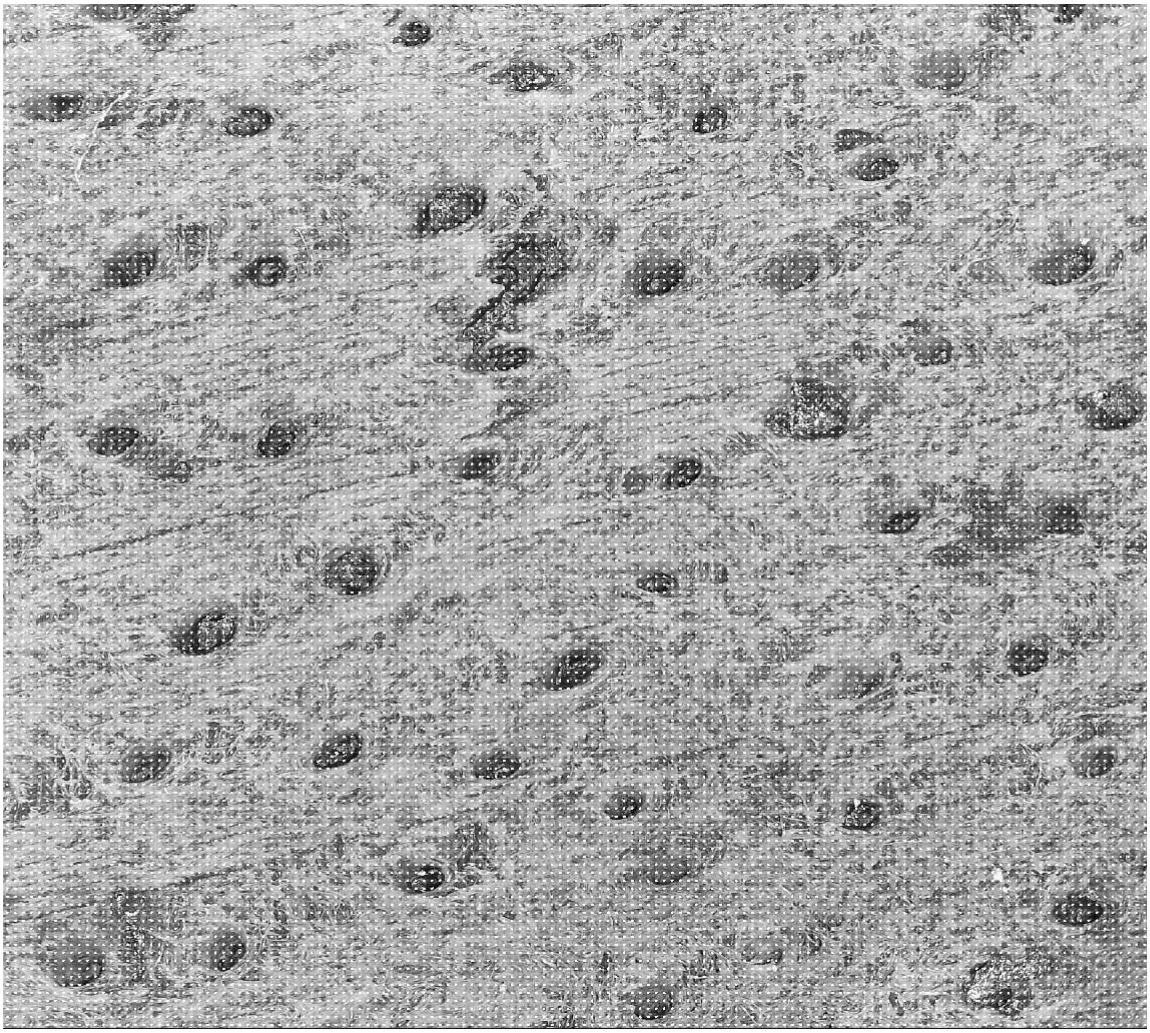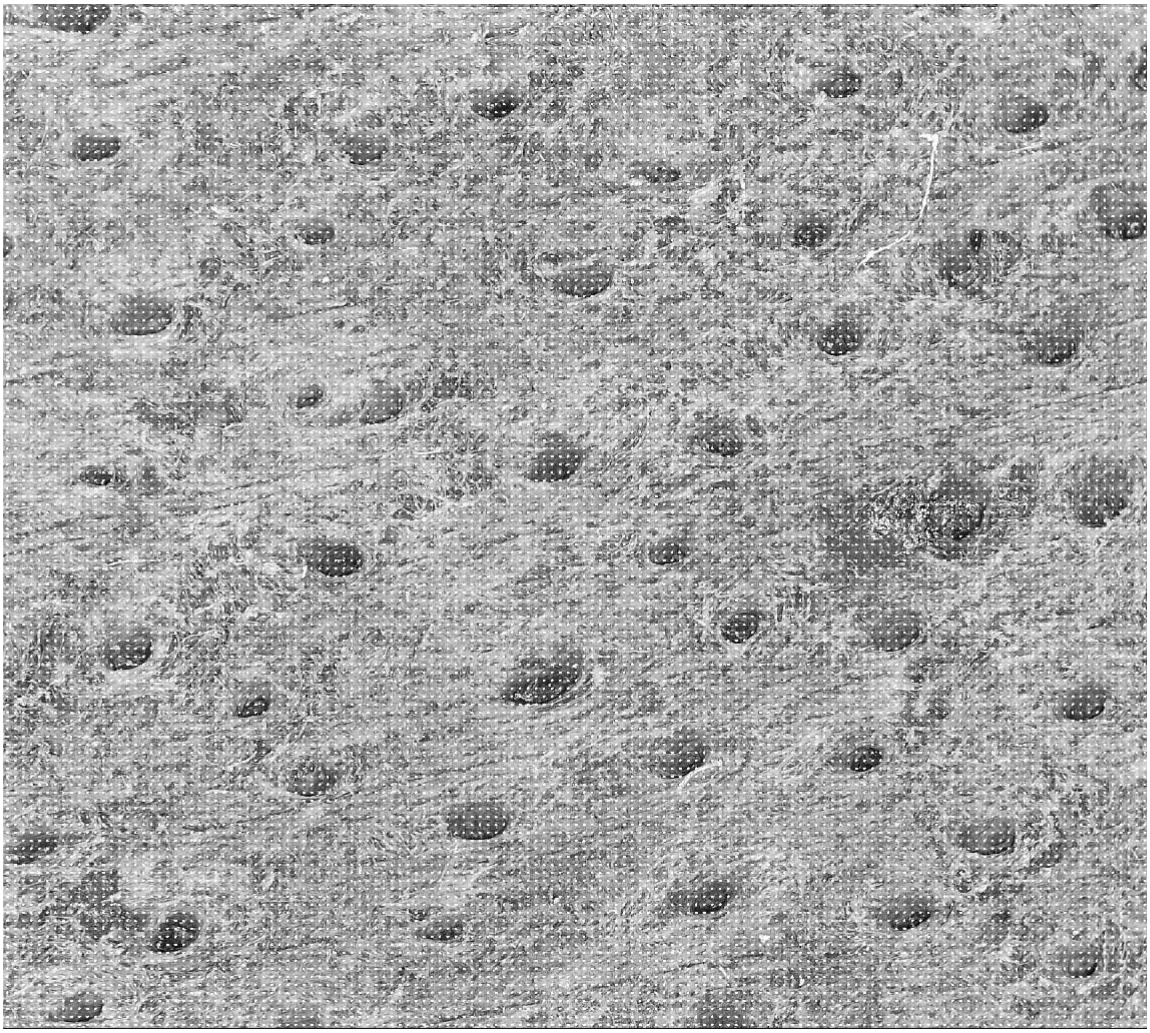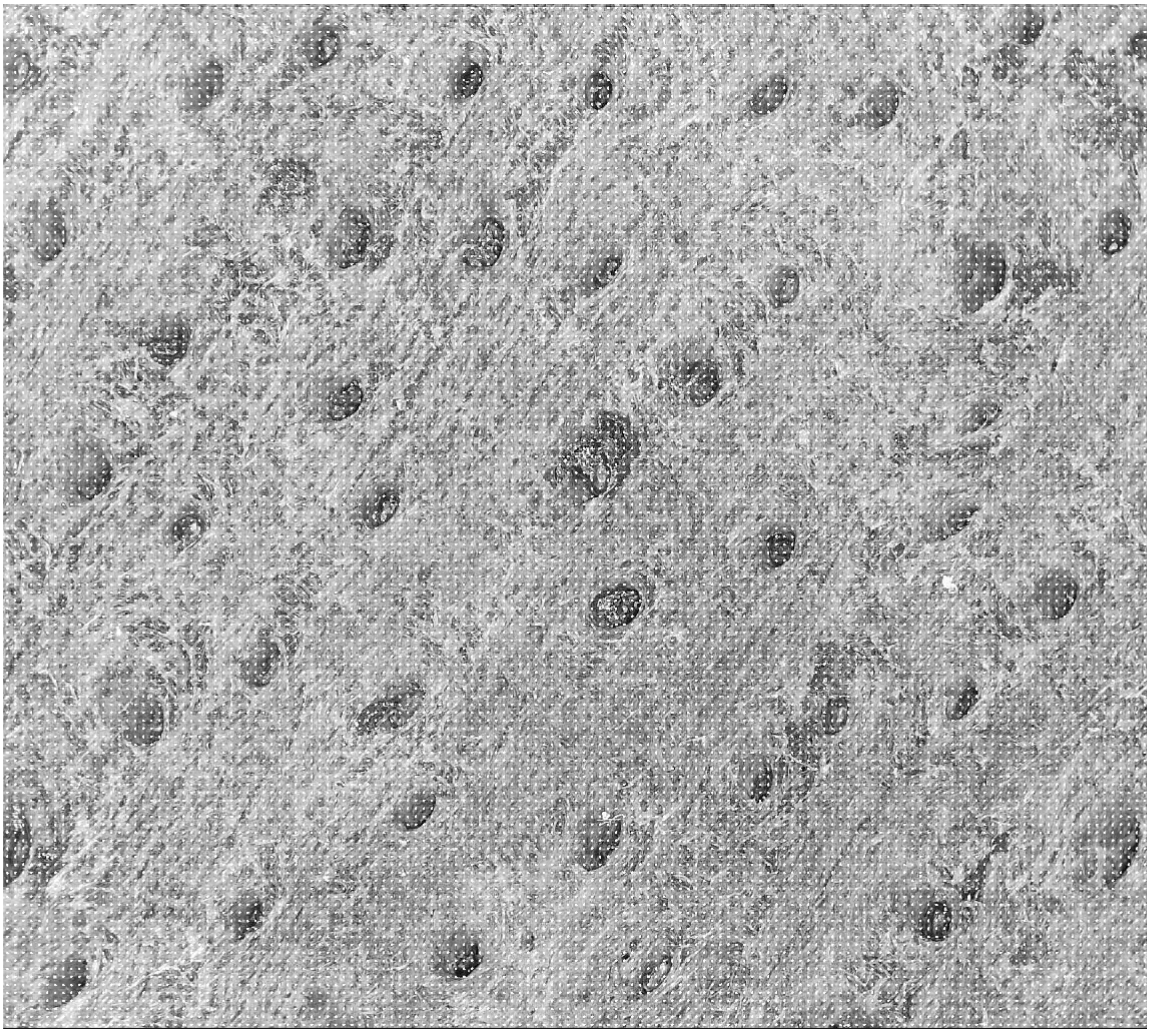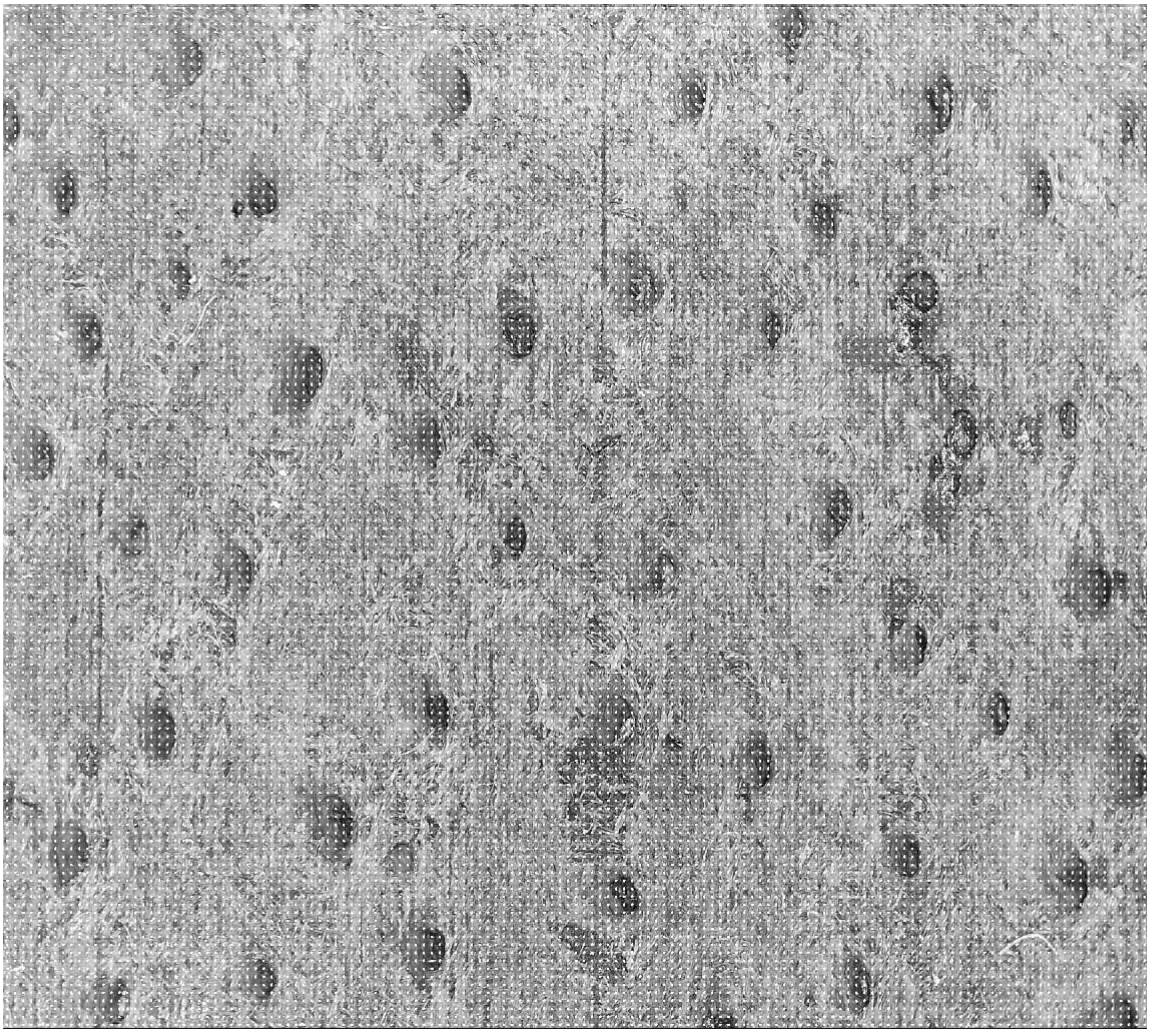
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