# July 16th, 2015

## Samples from Gang

# AFM

## Gang2.001

\* 2.0 µm

\* 1 Hz

\* 512 samples/line

\* Drive Amp: 178.5

\* Small fibers

## Gang2.002

\* 5.0 µm

\* 1 Hz

\* 512 samples/line

\* Drive Amp: 178.5

\* Same location

## Gang2.003

\* 1.16 µm

\* 0.6 Hz

\* 256 samples/line

\* Drive Amp: 178.5

\* Zoomed in:

\* X Offset: 820.313 nm

\* Y Offset: -722.656 nm

\* Saw a bizarre star-shaped morphology, investigating with zoomed-in image

## Gang1.001

\* 2.0 µm

\* 1 Hz

\* 512 samples/line

\* Drive Amp: 178.0

## Gang1.002

\* 5.0 µm

\* 0.75 Hz

\* 512 samples/line

\* Drive Amp: 200

## Gang3.001

\* 2.0 µm

\* 1 Hz

\* 512 samples/line

\* Drive Amp: 200

\* Good, long fibers

## Gang3.002

\* 5.0 µm

\* 0.75 Hz

\* 512 samples/line

\* Drive Amp: 200

\* Same location as 3.001

## Gang9.001

\* 2.0 µm

\* 1 Hz

\* 512 samples/line

\* Drive Amp: 200

\* spaced out fibers

## Gang9.002

\* 5.0 µm

\* 1 Hz

\* 512 samples/line

\* Drive Amp: 200

\* Same location as 9.001

## Gang11-2.001

\* 2.0 µm

\* 1 Hz

\* 512 samples/line

\* Drive Amp: 200

\* spaced out fibers

## Gang11-2.002

\* 5.0 µm

\* 1 Hz

\* 512 samples/line

\* Drive Amp: 200

\* Same location as 9.001

## Gang12.001

\* 2.0 µm

\* 1 Hz

\* 512 samples/line

\* Drive Amp: 200

\* more fibers, closer spaced

## Gang12.002

\* 5.0 µm

\* 0.75 Hz

\* 512 samples/line

\* Drive Amp: 200

\* Prop. Gain: 4.5 (didn't really help)

\* parallel fibers, lots of them