

Joey's Status Update

Weekly Worm Meeting
October 4th, 2006

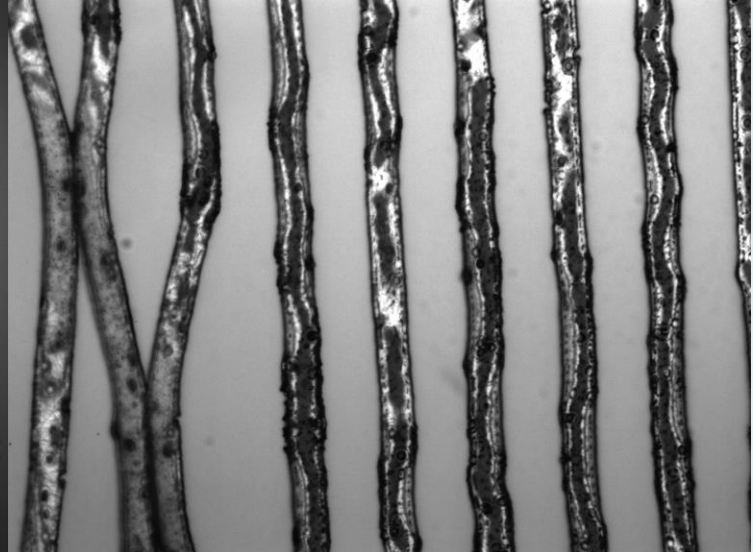
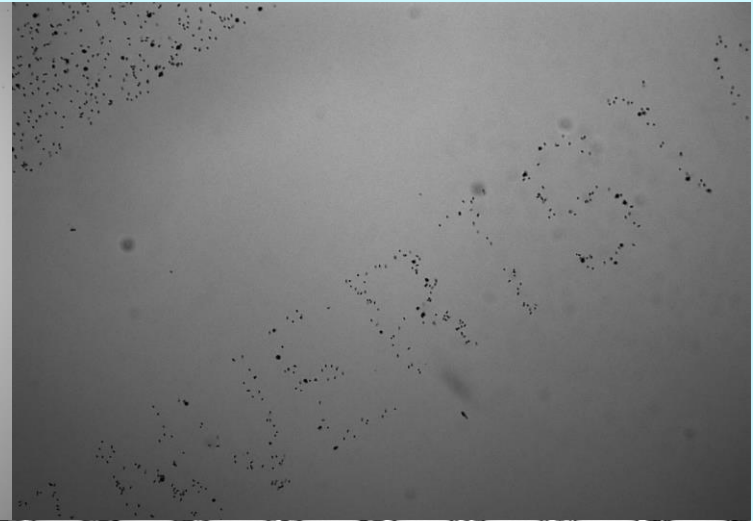
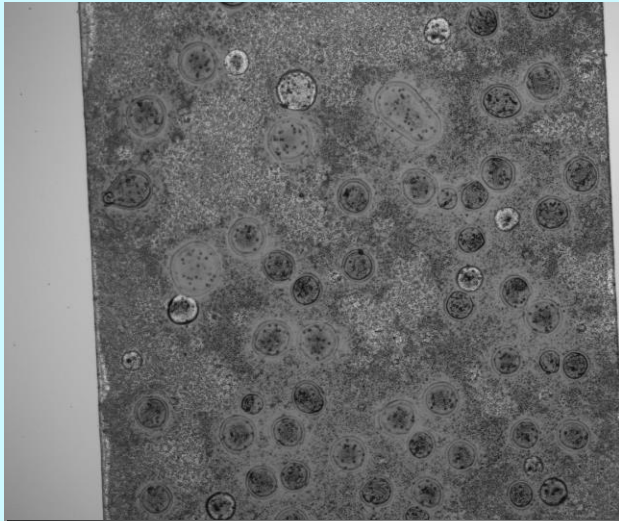
What I'm Doing

- Microcontact Printing Collagen
- Microfluidic Patterning of Collagen
- Remaking Wafers for Shawn Lockery
- Fuller Lab Stuff
 - Worm collagen imaging, stuff with Jay
- Real-Time Automatic Worm Tracking
 - Same as last time

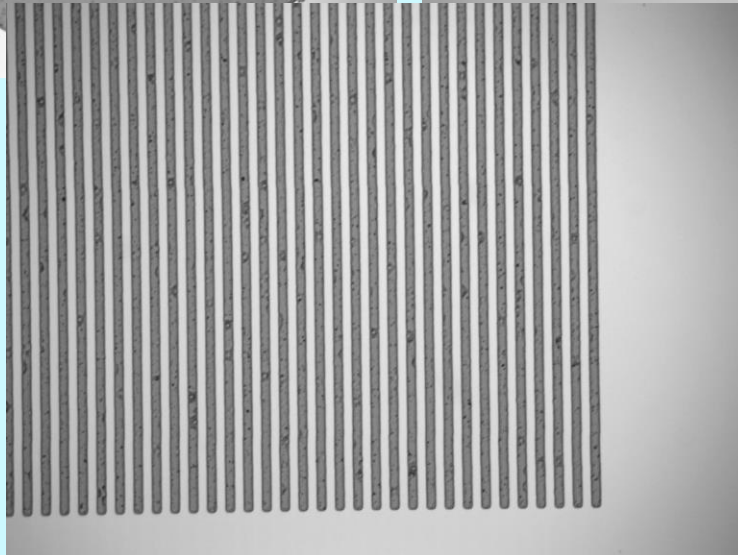
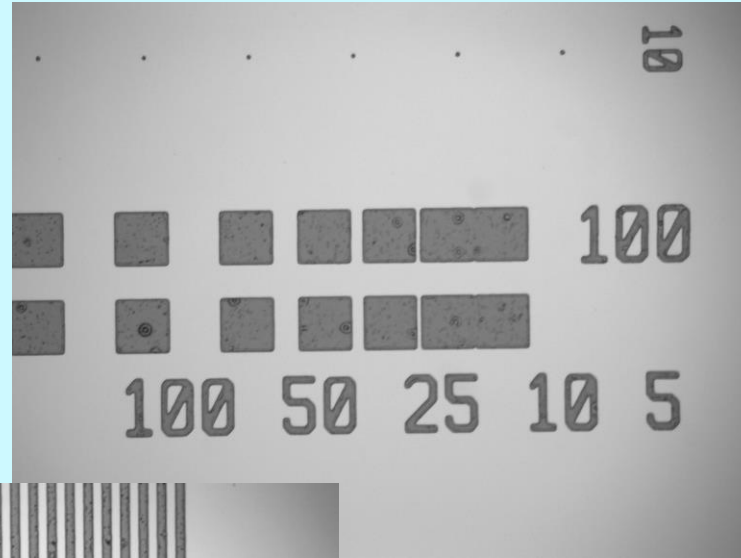
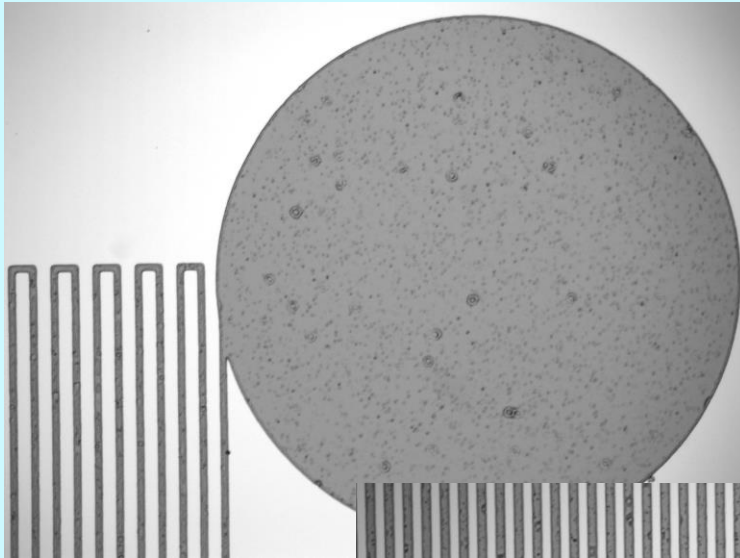
Mask Printing

- CAD/Art Services worked nicely
- Lines, squares, rectangles, criss-crosses, serpentine microfluidic channels
- 10, 15, 20 μm sizes

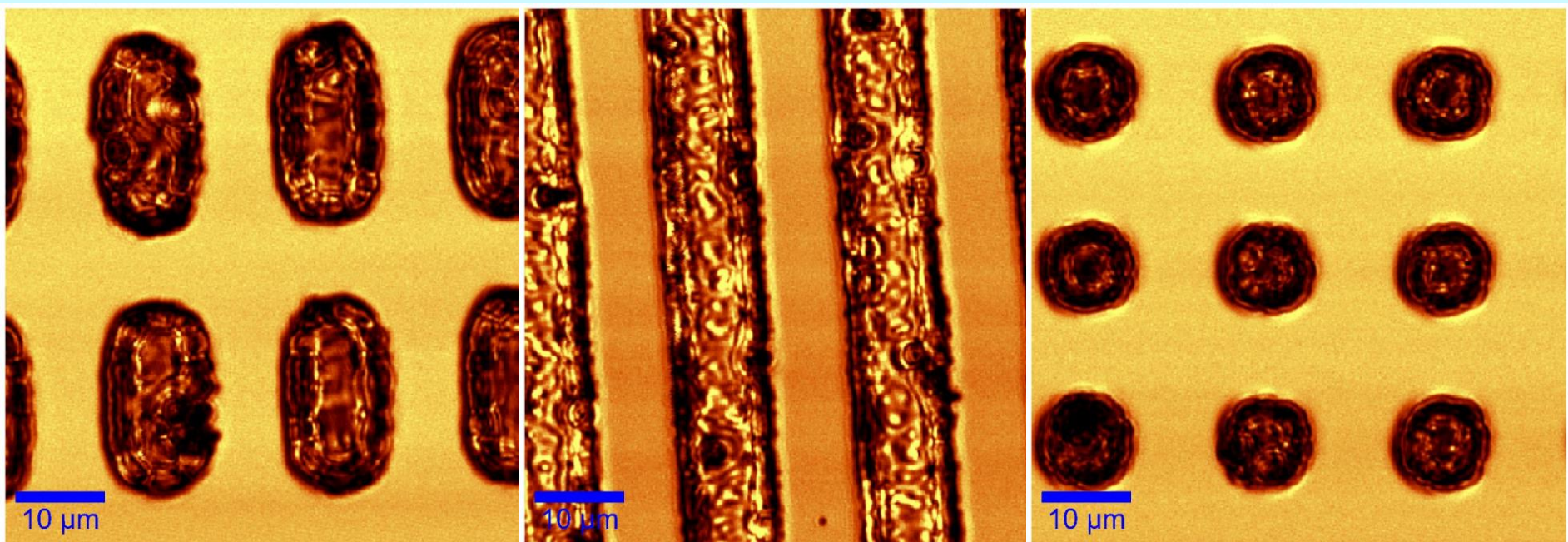
Making SU-8 Masters



Making SU-8 Masters

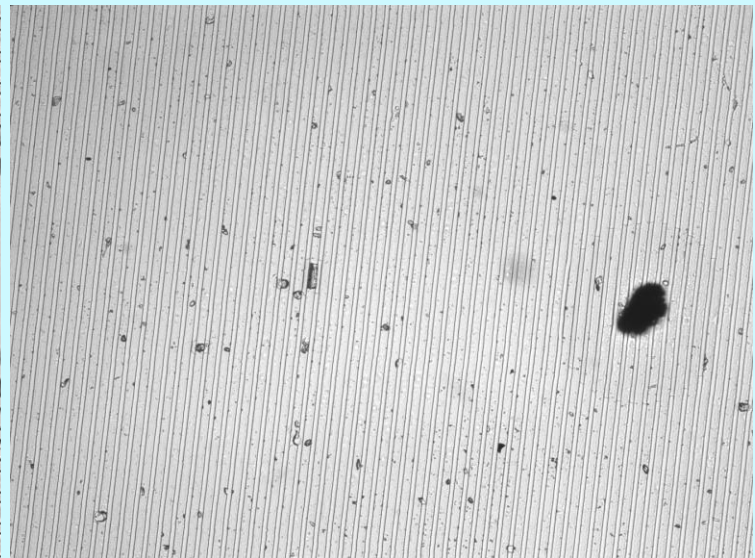
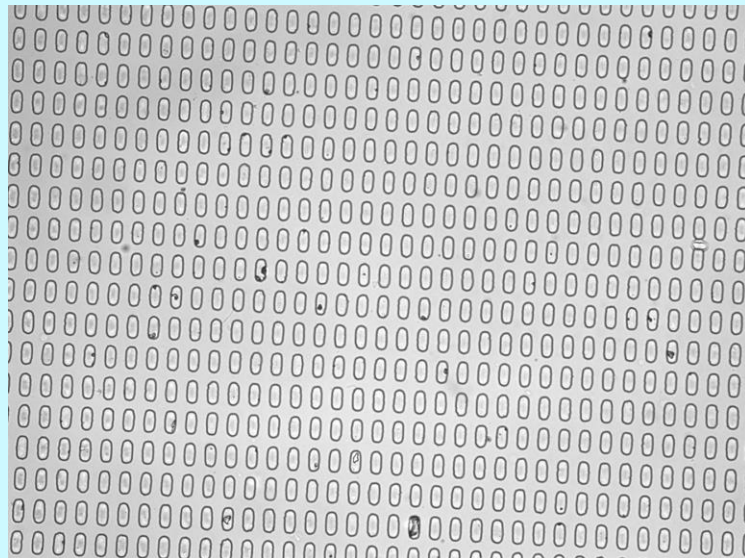


Making SU-8 Masters

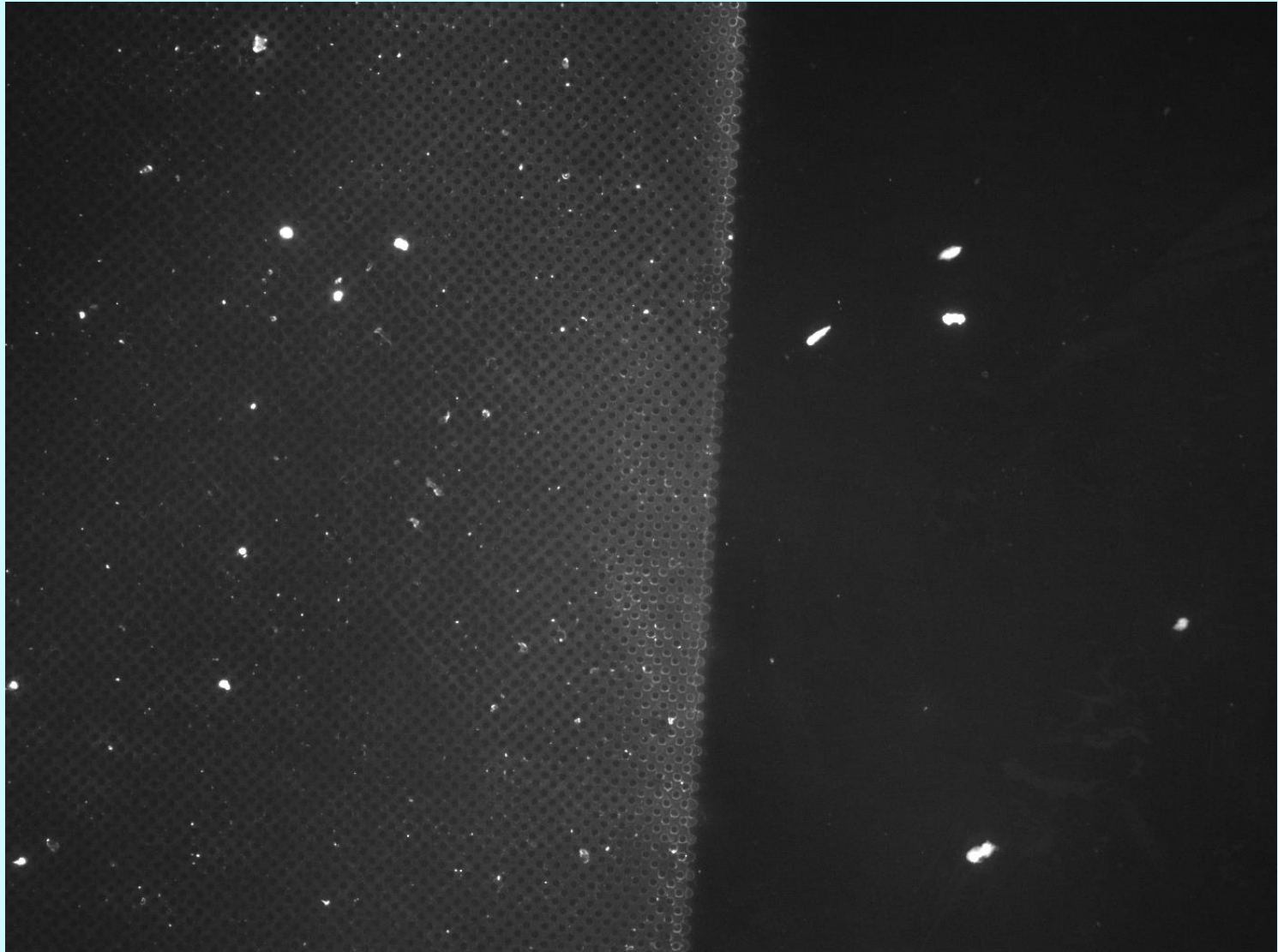


PDMS From Stamps

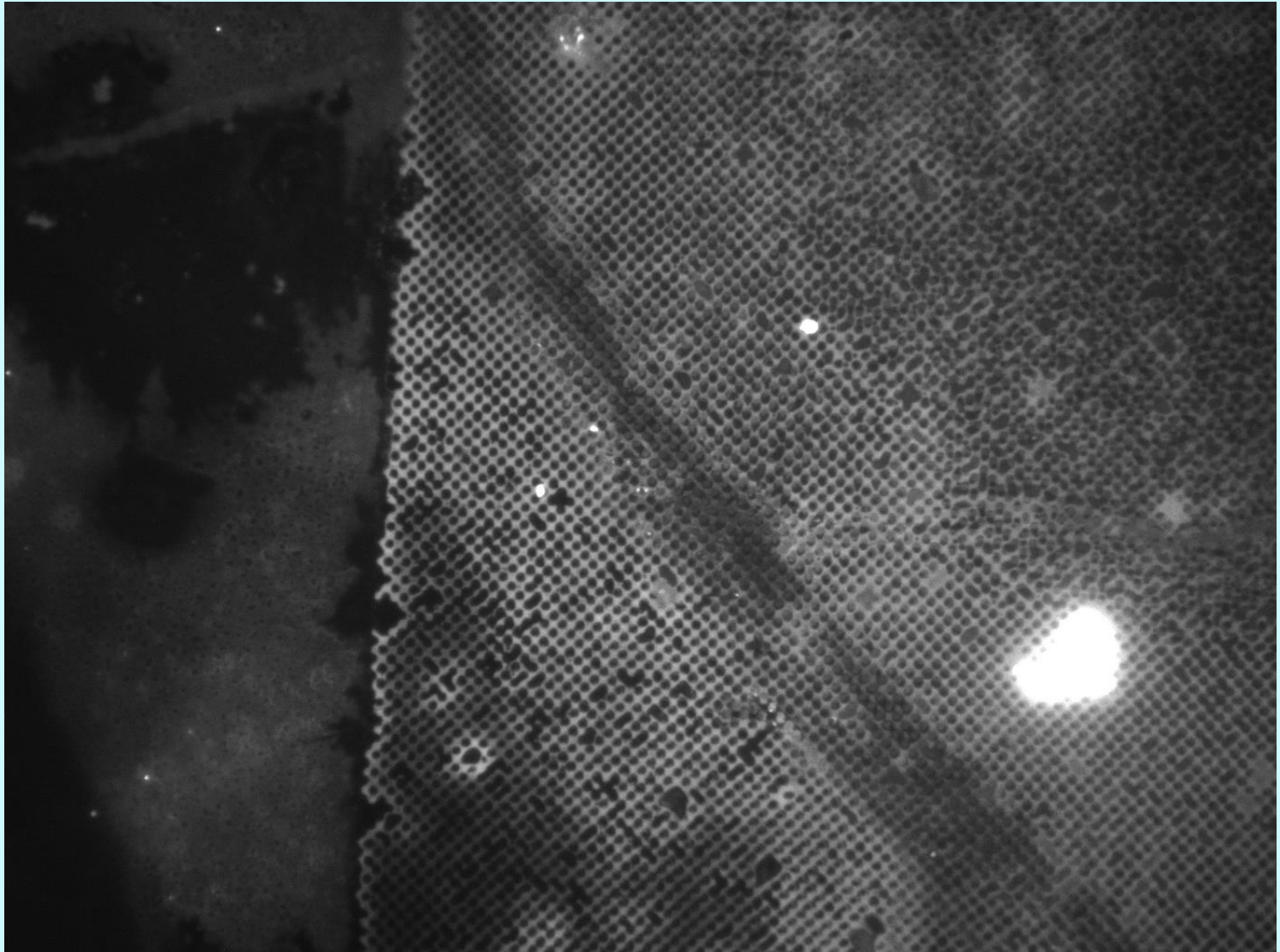
- Stamp cleanliness an issue
 - Using ultrasonication in ethanol
 - Plastic => Glass
 - Drying off stamps



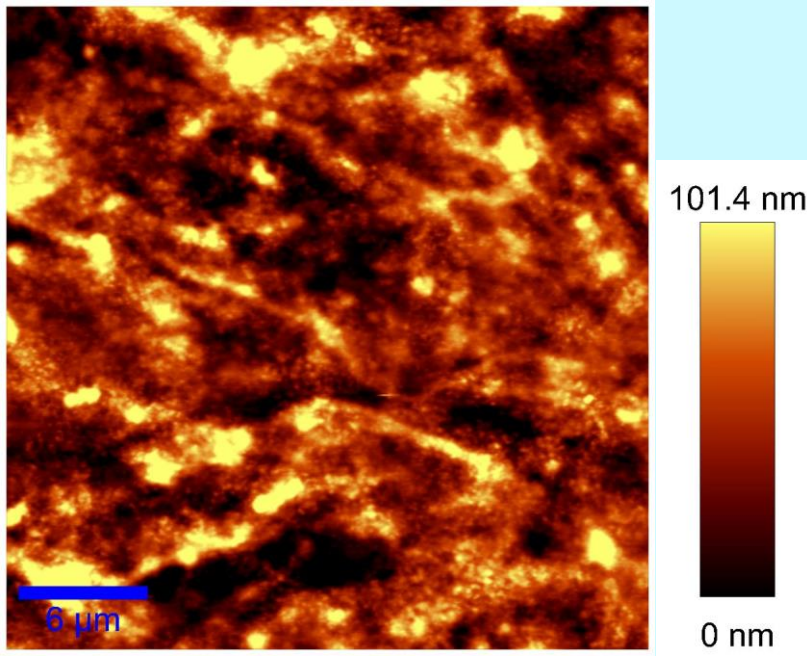
R6G Printing



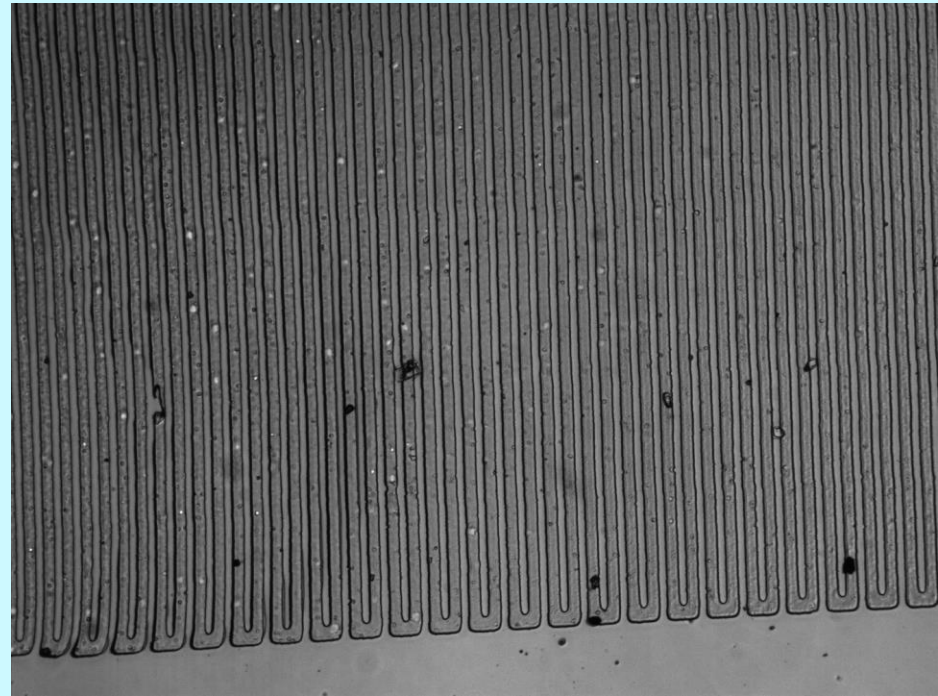
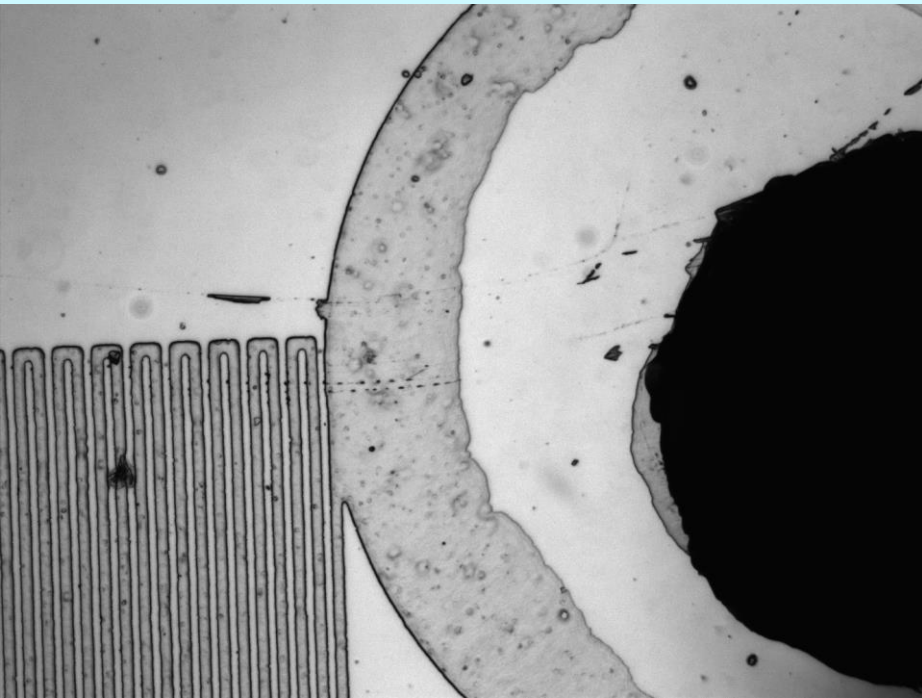
R6G Printing



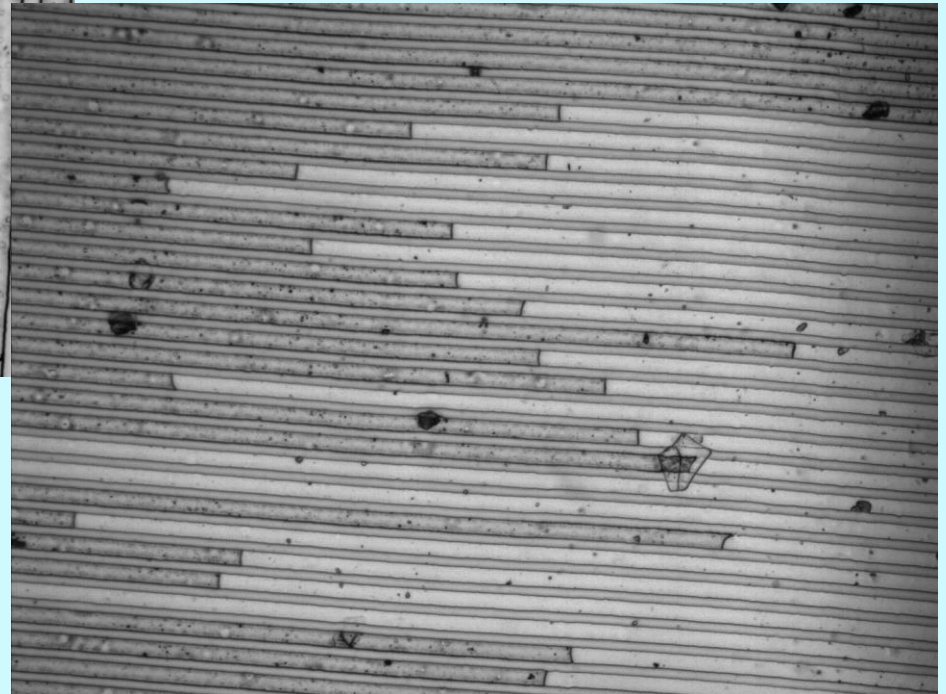
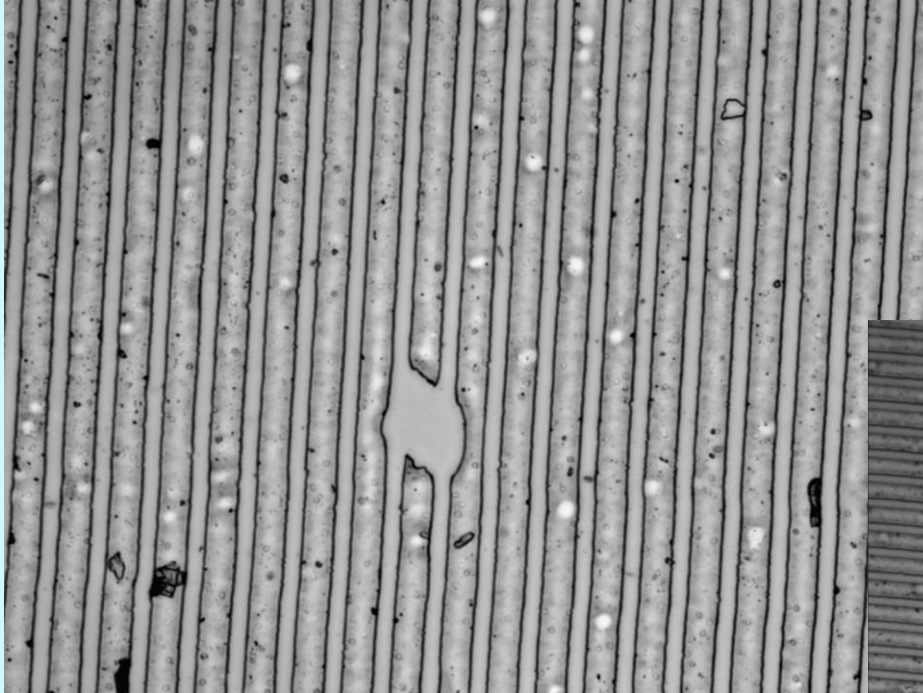
AFM Images of Collagen



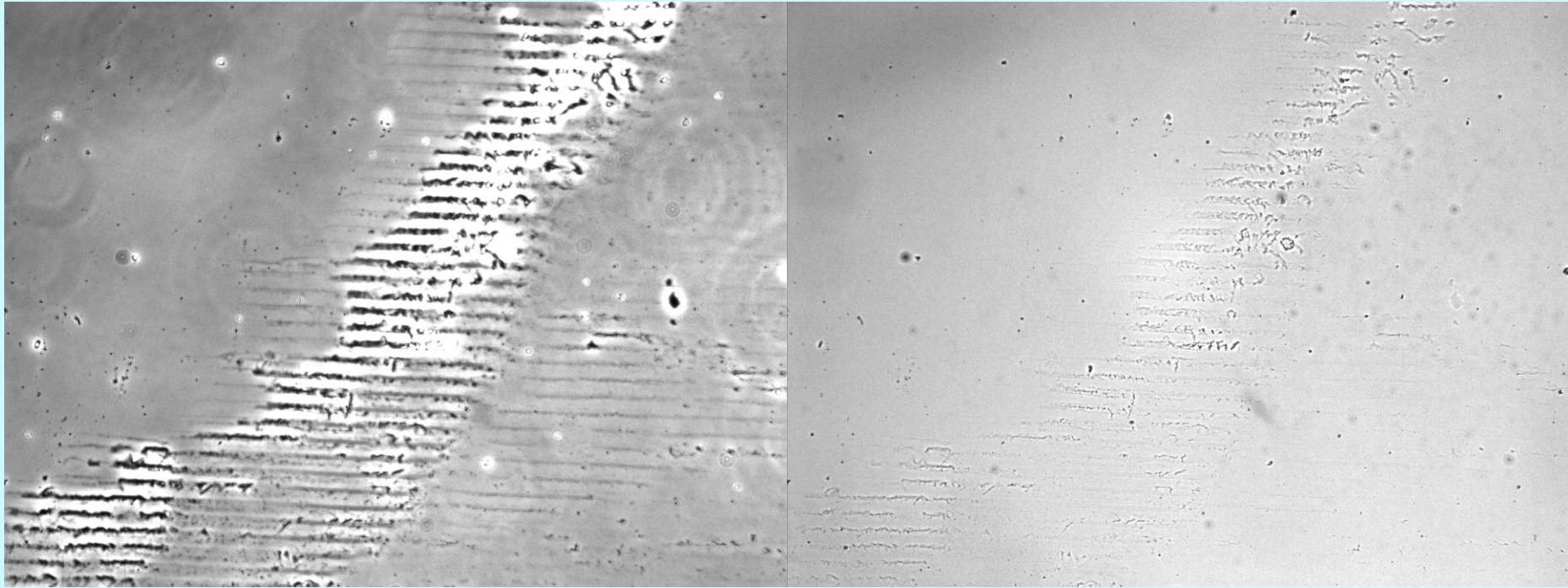
Microfluidic Channels



uF Simplicity / Cleanliness



(Poor) Collagen Patterning



Microcontact Printing R6G

