

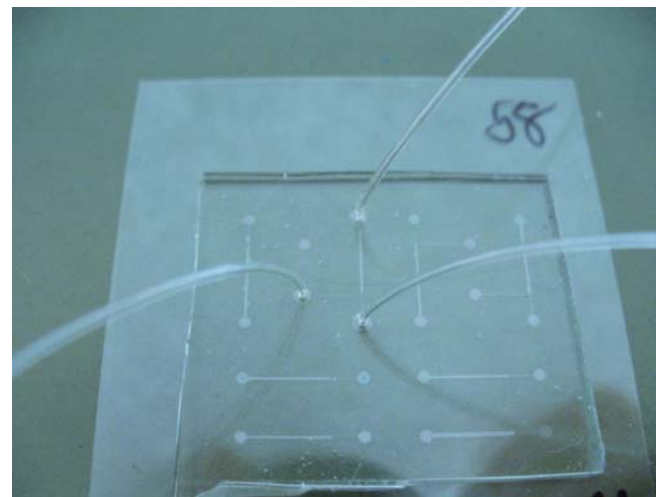
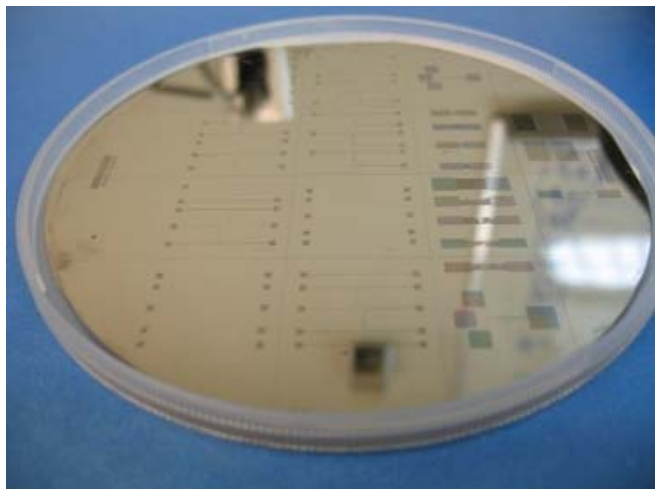
Combining Microfluidics and Fluorescence Fluctuation Spectroscopy to Study Viral Assembly

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NNIN Facility utilized: Nanofabrication Center

- Fabrication of Mold
 - ◆ Soft photolithography techniques were used
 - ◆ Su-8 2000 series photoresist was used
 - ◆ Varying channel dimensions of 1-500 μm
 - ◆ Example shown below



- Microfluidic device
 - ◆ PDMS was poured over mold and cured
 - ◆ PDMS and glass bonded using ozone
 - ◆ Device shown above
 - ◆ Used for ffs flow studies
 - ◆ Will be used for cell culture and studying viral particles