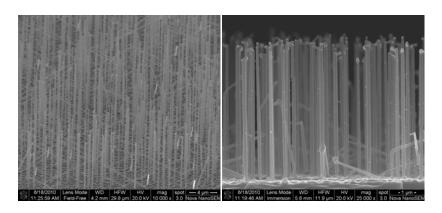




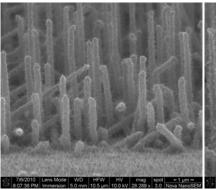
### Highly aligned kink-free SiNWs

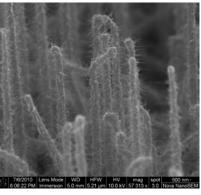


Well aligned kink-free SiNWs of about 170 nm diameter on Si(111)



### SiNW Cacti

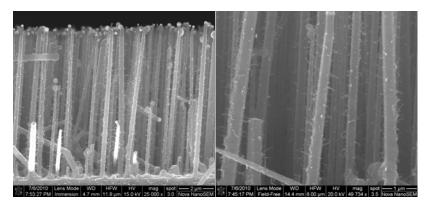




SiNWs with needles of less than 7nm diameter and 300 nm length

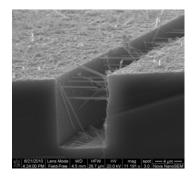


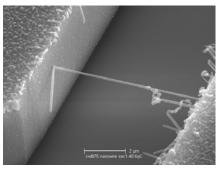
#### SiNW Whiskers



SiNW Whiskers

# NWs Bridges Between Electrodes

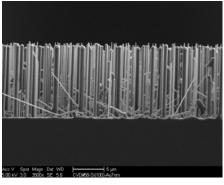


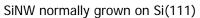


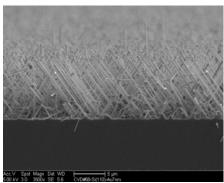
SiNW bridged structures over two Si(111) surfaces



#### **NW Orientations**



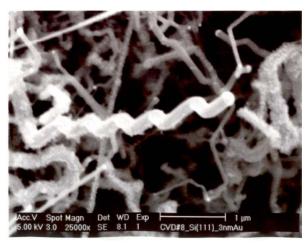




SiNW grown on Si(110) at 60 degree



## Zig-zag NW growth withHCl



HCl disturbs aligned growth of Si NWs and results in zig-zag structures