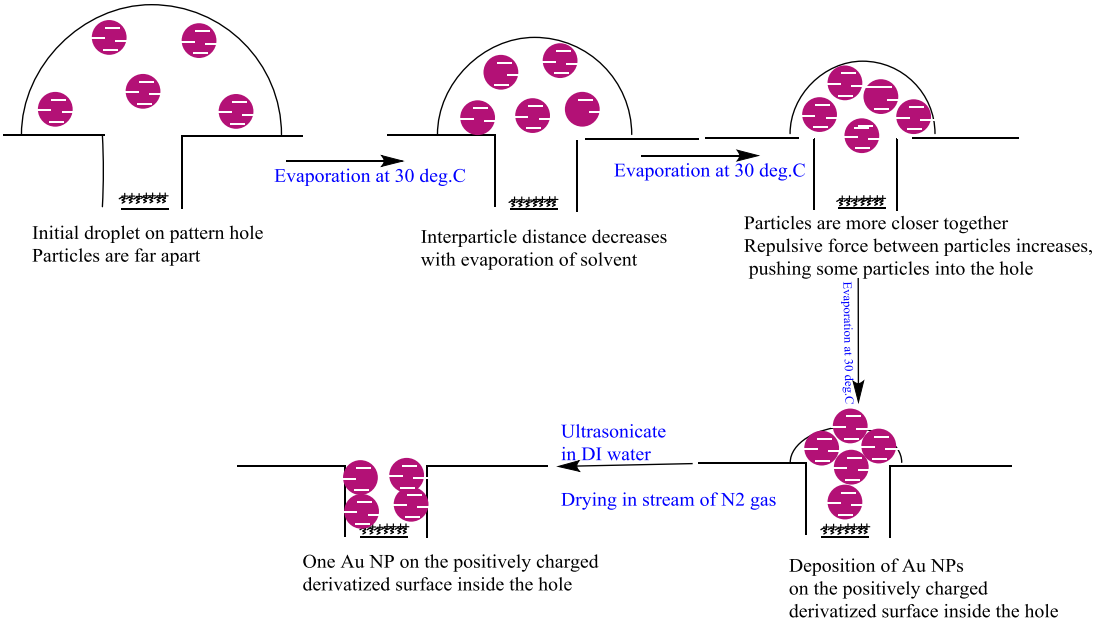
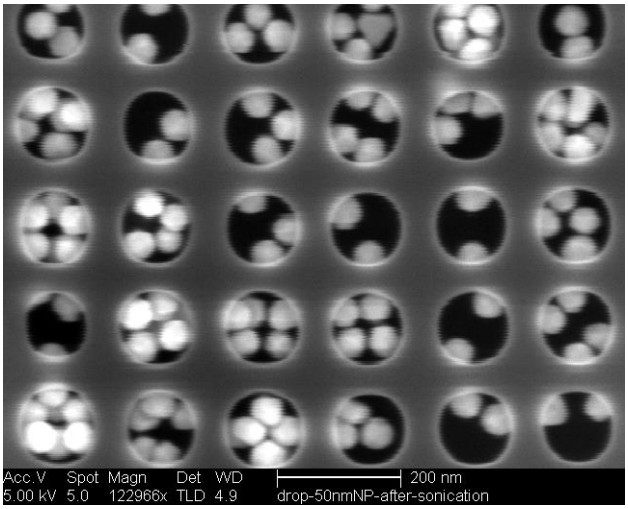
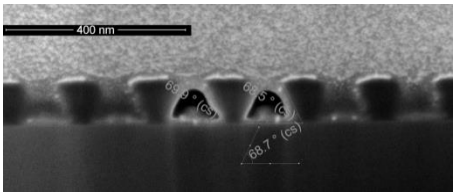

Evaporation at 30 deg.C
Evaporation at 30 deg.C
Initial droplet on pattern hole
Particles are far apart
Interparticle distance decreases
with evaporation of solvent
Particles are more closer together
Repulsive force between particles increases,
pushing some particles into the hole
Evaporation at 30 deg.C
Ultrasonicate
in DI water
Drying in stream of N2 gas
One Au NP on the positively charged
derivatized surface inside the hole
Deposition of Au NPs
on the positively charged
derivatized surface inside the hole


Acc.V Spot Magn Det WD
5.00 kV 5.0 122966x TLD 4.9
200 nm
drop-50nmNP-after-sonication


400 nm