Enhancing Drug Loading in Polymeric Microparticles
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NNIN Facility utilized: Characterization Facility

- SEM characterization of drug loaded microparticles
  - Polymeric microparticles loaded with an active drug
  - Loading efficiency depends on method used

- RESULTS
  - Conventional solvent evaporation technique results in precipitation of the drug outside the microspheres
  - Rapid evaporation enables more of the drug to be loaded inside
  - Relative precipitation rates of drug and polymer may govern drug loading in polymeric microparticles

- Publications