



Penelope Lewis is currently a postdoctoral fellow in Professor Flynn's group. She graduated with her Ph.D in chemistry from Pennsylvania State University from Professor Weiss' group, where she defended her thesis entitled "Intermolecular Interactions of Self-Assembled Monolayers".

Since the invention of the Scanning Tunneling Microscope in 1981, Scanning Probe Microscopy has become a powerful field of research. The general principle behind all scanning probe microscopes (scanning tunneling microscope, atomic force microscope, electrostatic force microscope, etc.) is the process of raster scanning a probe over a surface. The image rendered provides information on interactions between the surface and the probe, and intermolecular forces within the surface.