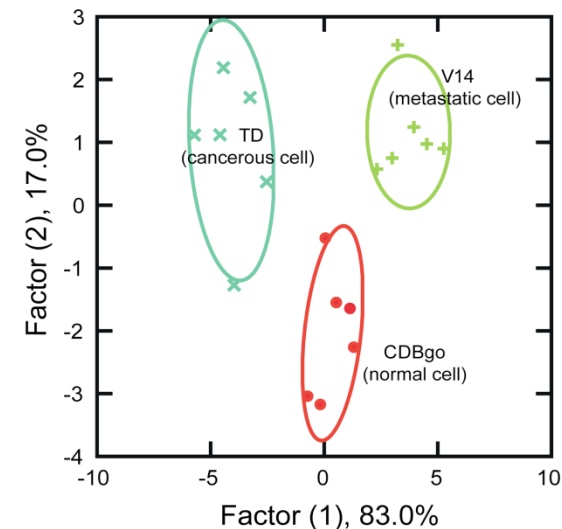
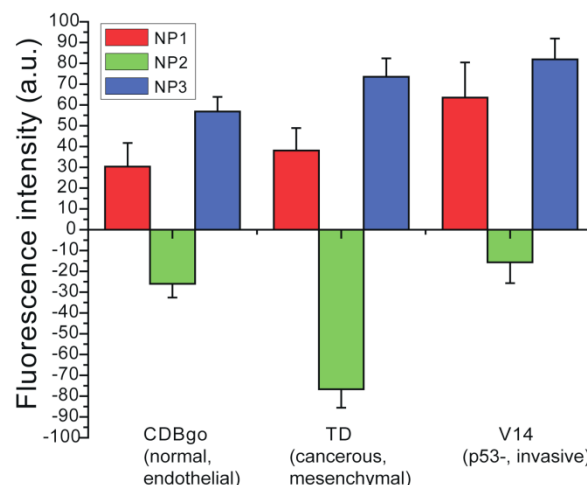


Unique “Chemical Nose” Sensors for Cancer Cell Detection

Building off fundamental studies on the interactions between nanoparticles with proteins and cells, CHM researchers have developed unique “chemical nose” sensors for cells and serum. Pilot studies have indicated the utility of these sensors in the rapid and efficient identification of healthy, cancerous, and metastatic cells for cancer diagnosis. Similar approaches are now being explored to modify this approach for enzyme-nanoparticle sensors for bacterial contamination that can be implemented in a mass-producible and cost-effective test strip format.



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