

# ***Treating Disease***

## with Nanomedicine

Amazing new medical treatments are being developed with nanotechnology. Many scientists believe that these treatments will work faster and be more effective than ever before.

For example, current treatments for cancer (like radiation and chemotherapy) destroy healthy tissue right along with unhealthy, cancerous tissue.

Researchers at Rice University in Texas are developing a technique that uses super tiny gold nanoparticles (called nanoshells) to target and kill cancer cells without harming healthy cells nearby.

The technique has been used to successfully kill cancerous tumors in mice and is currently being tested in humans.

