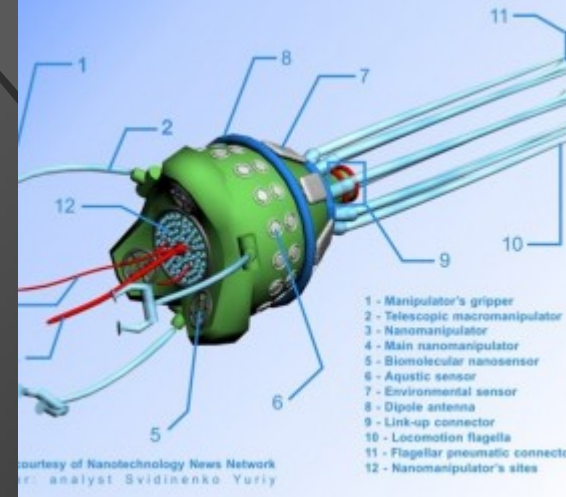
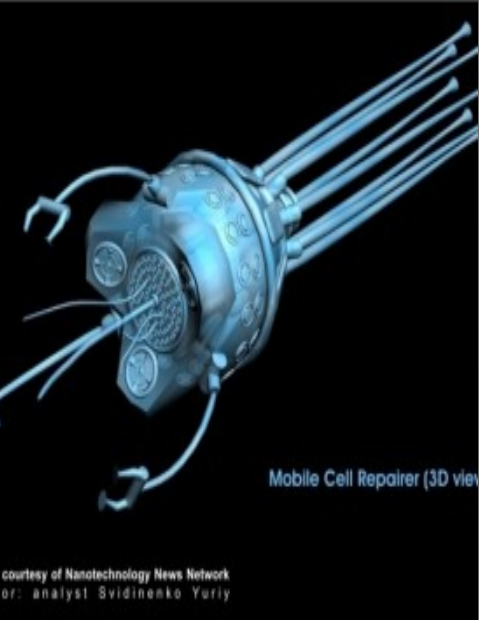
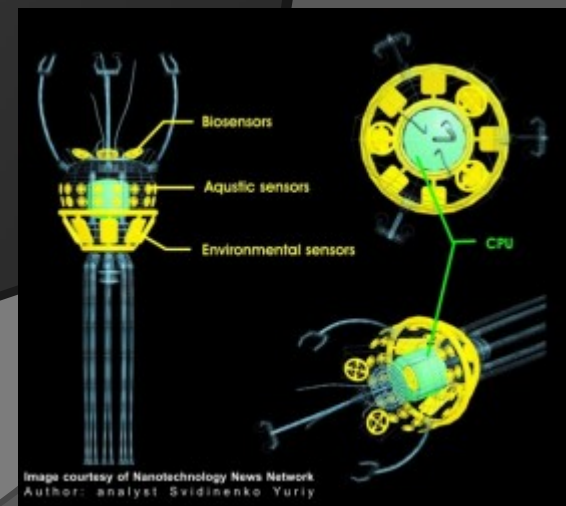
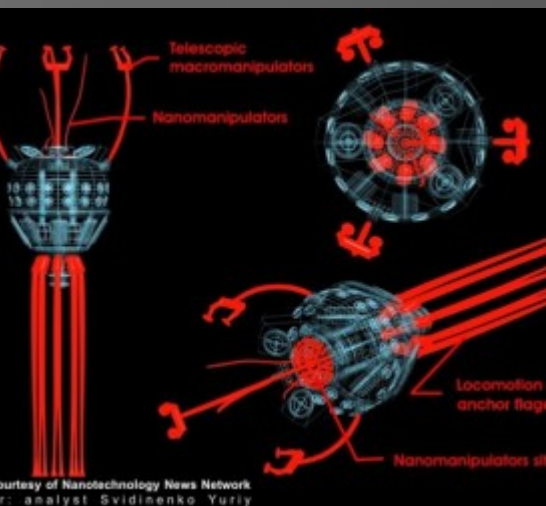


By  
Keivon  
Wood



# NANOROBOTICS



# What is nano medicine

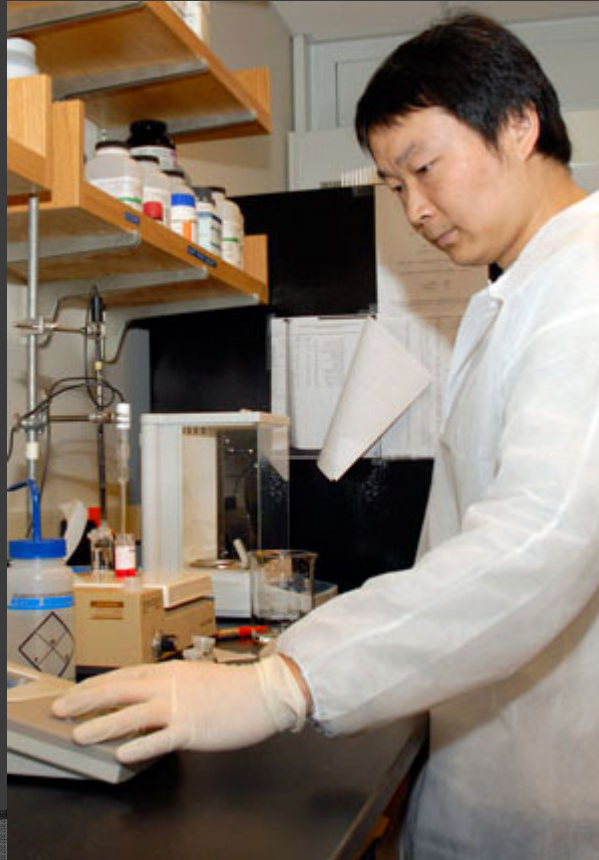
- Nanomedicine is the medical application of molecular nanotechnology a still developing science dedicated to constructing microscopic biomechanical devices like nanomachines and nanorobots. Those devices are so small they are measured in nanometers, or one millionths of a meter. Applied to medicine, nanorobots would be programmed for specific biological jobs.

# NUBOTS

- Nubot is an abbreviation for "nucleic acid robots". Nubots are synthetic robotics devices at the nanoscale.

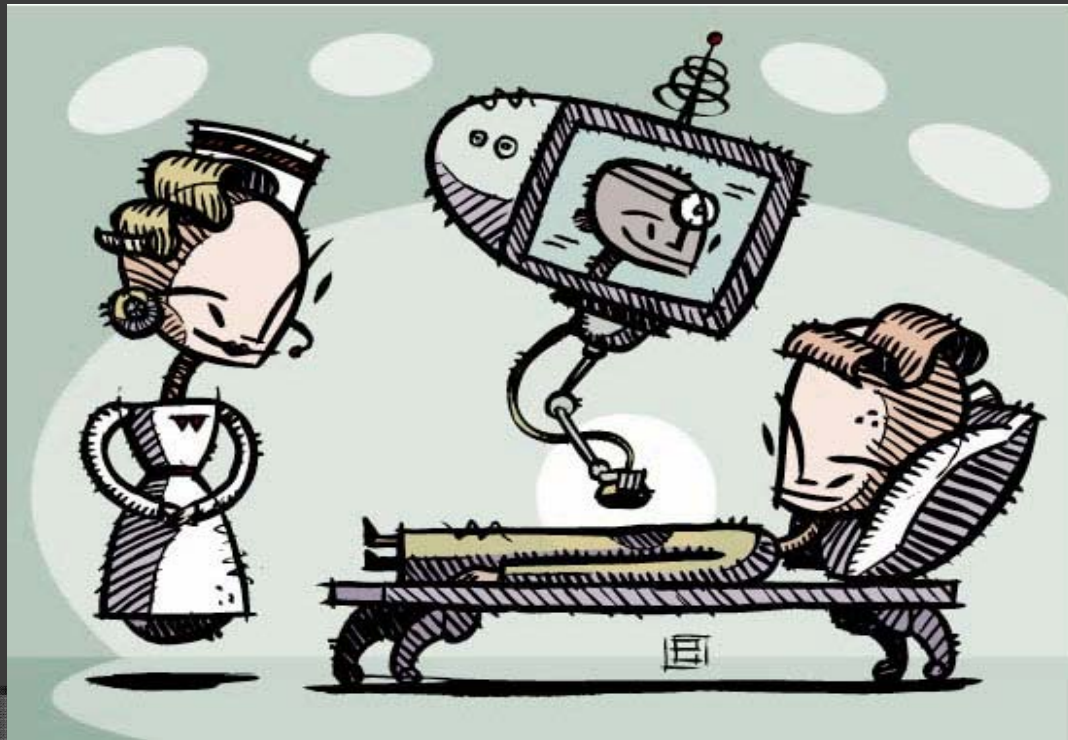
# Types of nano medicines

- three different types of nanoplatforms: polymeric, lipid based, and metal based.



# Future medicines

- microscopic robots that build other machines or travel inside the body to deliver drugs or do microsurgery.



# NANOMEDICINE

- Potential applications for nanorobotics in medicine include early diagnosis and targeted drug delivery for cancer, biomedical instrumentation surgery, pharmacokinetics monitoring of diabetes, and health care.
- In such plans, future medical nanotechnology is expected to employ nanorobots injected into the patient to perform work at a cellular level.

# Nano medicine and the army

- Nanoparticles are being developed to perform a wide range of medical uses imaging tumors, carrying drugs, delivering pulses of heat. More than just settling for just one of these, researchers at the University of Washington have combined two nanoparticles in one small package. The result is the first structure that creates a multipurpose nanotechnology tool for medical imaging and therapy. The structure is described in a paper published online this week in the journal Nature Nanotechnology.

# NANO ROBOTICS THEORY

- Since nanorobots would be microscopic in size, it would probably be necessary for very large numbers of them to work together to perform microscopic and macroscopic tasks.

Goodbye