

BrahMos: Supersonic cruise missile



SHIP TO SHIP
290 KM



LAUNCH FROM
MOBILE COMPLEX



LAND TARGET

Advantages

- Universal missile with multiple platforms
- Long flight range with supersonic speed all throughout and quicker engagement
- Higher destructive capability aided by the large kinetic energy of impact, with precision hit
- Varieties of flight trajectories

**INDO-RUSSIAN
JOINT VENTURE**

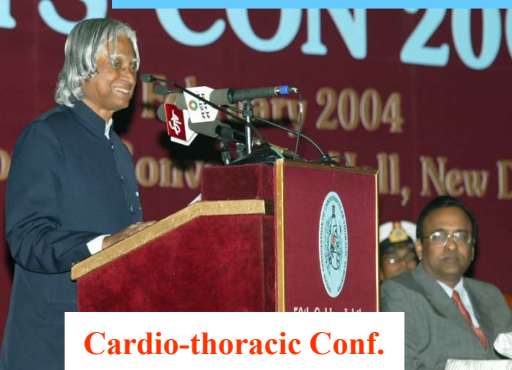


**TO MARKET IN A BIG WAY TO
SUITABLE COUNTRIES**

Molecule to Drug

Great movement in transforming molecules to drug

- Visited Five R&D Labs of Pharma Industries and Three health centres
- Addressed seven Medical Conferences
- At least three drugs will materialize leading to the treatment of certain type of cancer treatment and the other for diabetes and inflammatory diseases.



Cardio-thoracic Conf.



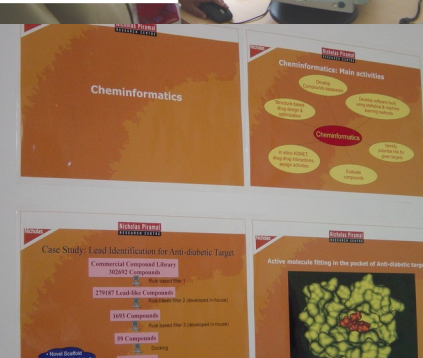
Wockhardt



Vascular Surgery Conf.



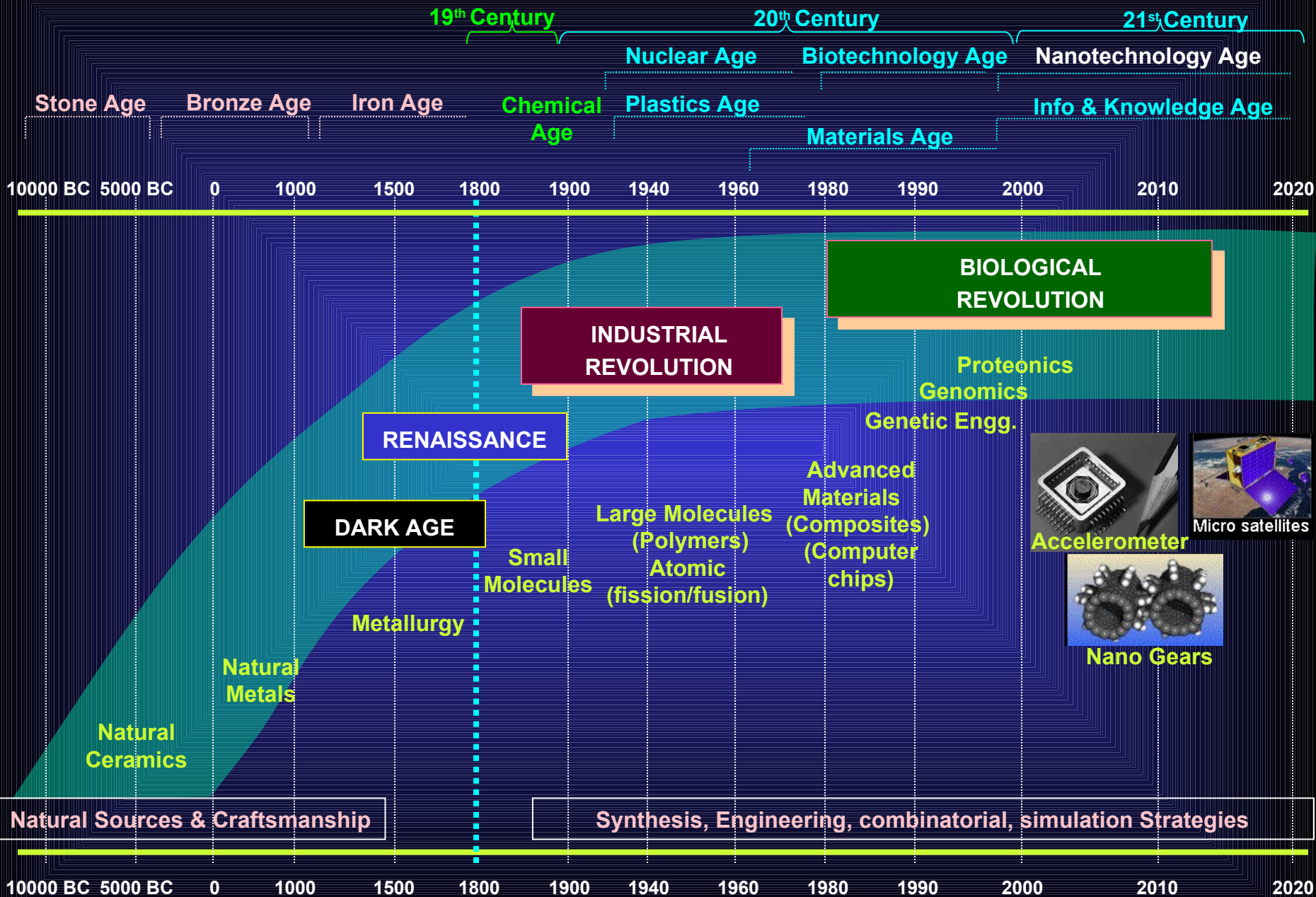
Sun Pharma



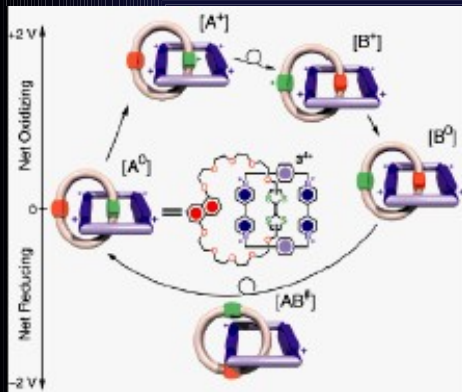
Nano science and Nano technology is the key for faster growth

www.presidentofindia.nic.in

TECHNOLOGY THROUGH AGES



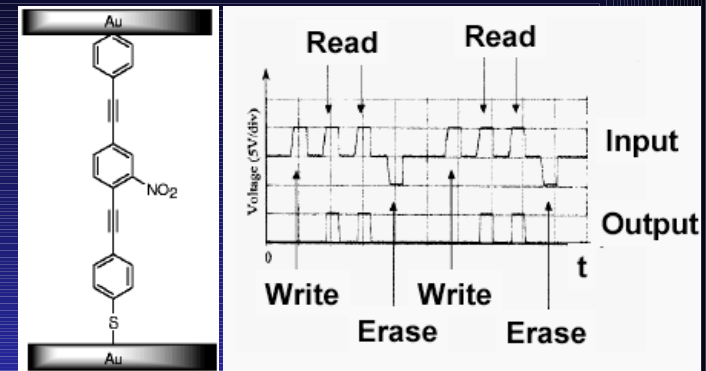
NANO COMPUTERS - THE NEXT GENERATION COMPUTERS



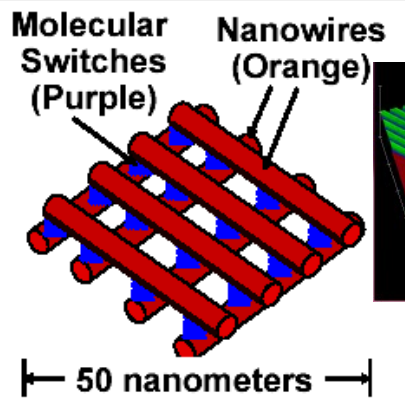
MOLECULAR SWITCH

ADVANTAGES

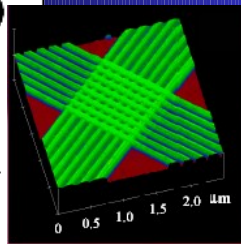
- Low Power & Cost
- Long retention of molecular memory
- Excellent Elect. Performance



MOLECULAR CIRCUIT



"CROSS-BAR"
MEMORY



ULTRA-DENSE
NANO COMPUTER MEMORY



100Gb/in²



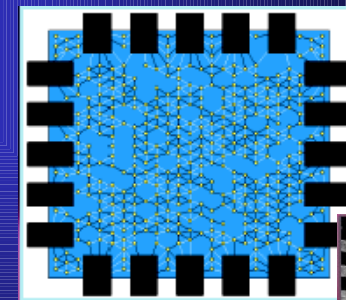
500Gb/in²



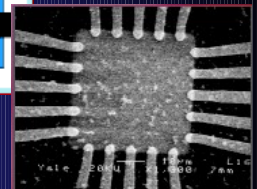
1 Tb/in²



10 Tb/in²

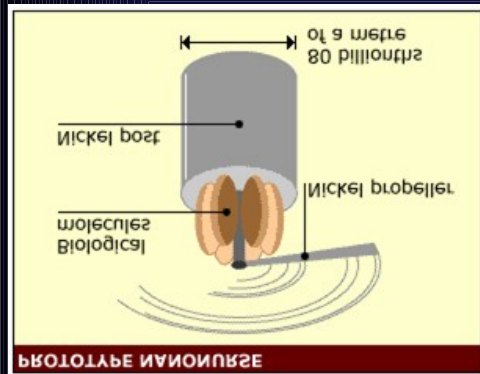


NANO CELL

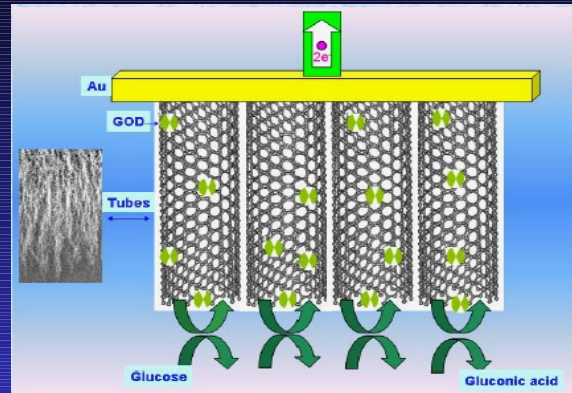


RADICALLY FASTER
& CHEAPER TO
BUILD ASSEMBLY

BIO-NANOTECHNOLOGY



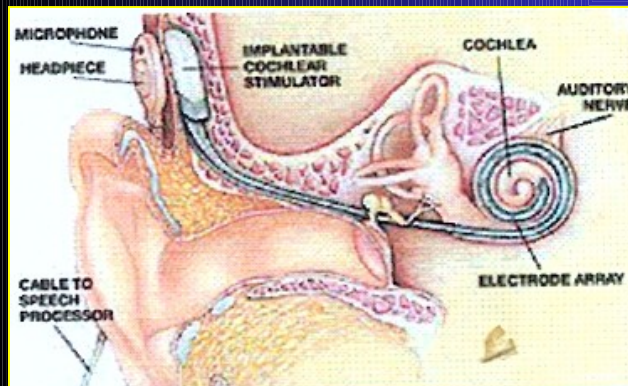
Bio-Medical Sensor



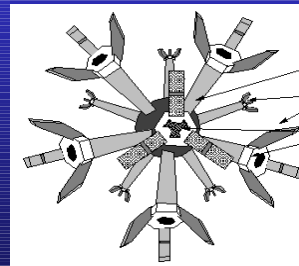
Multi-walled carbon nanotubes biosensor for glucose detection



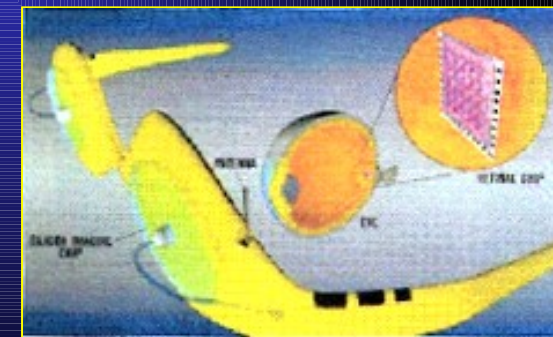
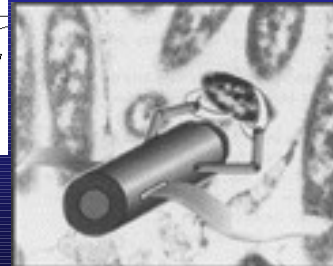
Micro Syringe - attached to intra-vascular endoscope for drug injection



Cochlear implants to stimulate auditory nerves



Drug delivery system



Retinal implants to restore partial vision

TRIAD OF NANO-BIO-INFO TECHNOLOGIES

Materials & Structures

- Biologically inspired materials (Biomimetics)
- Multi functional materials
- Smart and intelligent structures
- Self reparability / healing)

NANO REVOLUTION



NanoElectronics computing

- Biologically inspired neural nets
- Flexible computing
- Auto pilot & control devices
- Self recovery from anomalies

Health care

- Convenient light weight and highly focused therapies
- Intelligent diagnosis treatments & monitoring
- Lesser complications & specifically targeted treatments

Wireless system for monitoring and control of Parkinson's disease

- The primary symptoms are *tremor* or trembling in hands, arms, legs, jaw, and face, *rigidity* or stiffness of the limbs, slowness of movement and impaired balance.
- Implantable Deep Brain Stimulator
- Wrist watch sensor for tremor monitoring

