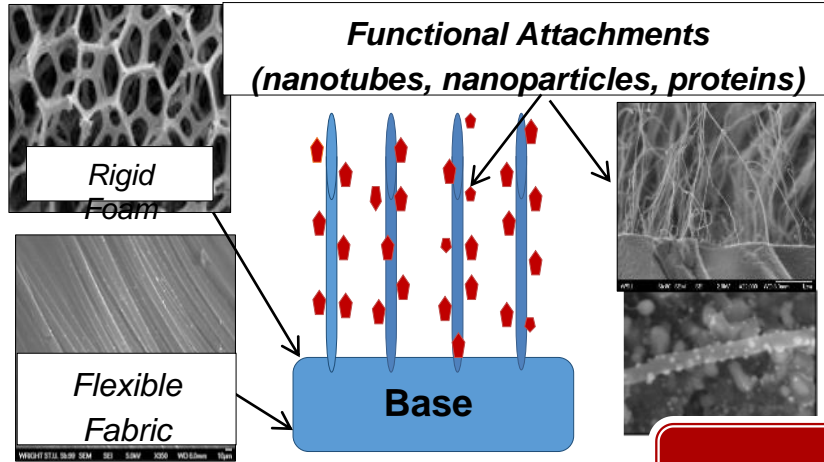


Novel Nano-materials for Sensing Devices

Sharmila M. Mukhopadhyay, Professor & Director of FIRST



X2000 or higher capacity for functions such as:

- Sensing
- Bio-scaffolding
- Pollutant removal
- Charge storage
- Anti-microbial
- Nano-catalysis
- Fluid separation

Hierarchical Solids

Designed like living systems

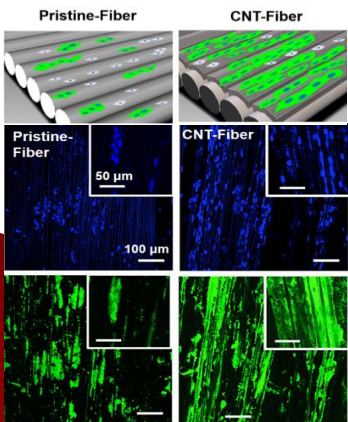
Provide unprecedented functional advantages

NANOSTRUCTURED BIOMIMETIC MATERIALS

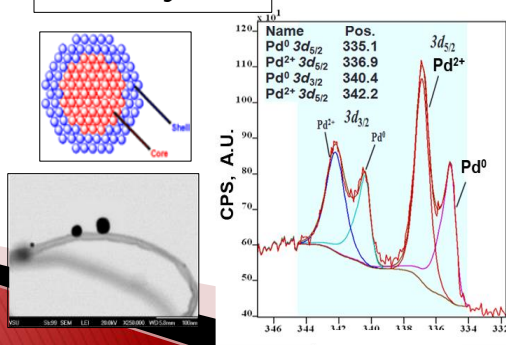
Support
NSF, DOD, EPA, Industry

Proven in multiple applications

Tissue Engineering



Catalysis



Microfluidics



Sensing

