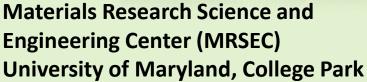
Donna Hammer, Associate Director MRSEC, University of Maryland





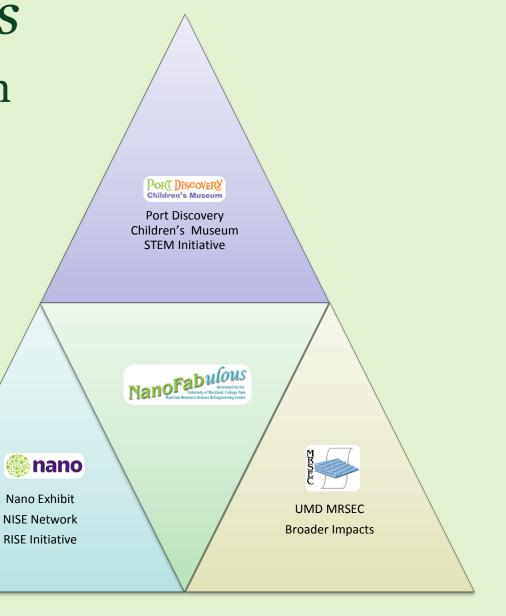


Port Discovery Children's Museum Baltimore, Maryland



**Project Foundation** 













## NanoFabulous The Exhibition

- LEGO Scanning Probe Microscope
   Visitors see how a scanning probe microscope creates an image.
- Contact & Noncontact Probes Table
   Visitors have fun understanding how nano-probes function and are used to measure the surface of materials at the nanoscale.
- Magnification Table
   Visitors discover the m

Visitors discover the microscopic secrets on the surfaces of objects by using magnifiers of different strengths.



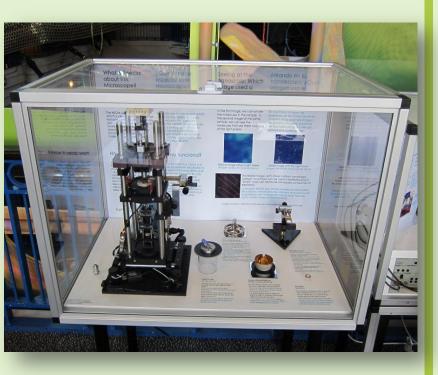




### Cleanroom Facility Includes:

- Booties Station
- Dress-a-Researcher Station
- Filters, Fans, & Floor Titles
- Facility Support Structure
- Transistors-LEGO Station
- Wafer Inspection Station
- Wafer Washing Station
- And...





Microscope provided by National Institute of Standards and Technology (NIST)

# Near-field Scanning Probe Microscope Display

• Visitors discover a SPM microscope that uses light with a scanning probe to image objects at the nanoscale.









# NanoFabulous Programming

- Family Scavenger Hunts
- School Groups
- Summer Camps
- Meet a Scientist
- Educator Workshop
- Discovery Days
- Nano Days Activities
- Conversations about Nano and Society
- How Do You Nano-Know?

















# NanoFab*ulous*Effective Partnership

- Partnership champions
- Funding limitations
- Trust
- Mutual respect
- Synergy
- Flexibility
- Set short and long-term goals
- Realistic expectations
- Open and constant communication
- Celebrate every success!



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