

**Description of Exhibition for *Nanotechnology: What's the Big Deal***



“Nanotechnology: What’s the Big Deal?” introduces facts and dispels myths about the important field of nanoscience. At the ultra-tiny nanoscale, common materials can behave in unusual ways. Scientists are working to understand this phenomenon and how it applies to our lives.

In this Exhibition you will see what a billion (and one-billionth) of something looks like. You can manipulate the size of a quantum dot to see its strange changing properties. You will also watch as floating molecules move themselves into an orderly pattern. These are just some of the amazing facts you will learn about nanotechnology.

Exhibit Title	Concept/Special Notes	Dimensions	Cluster	Value	Producing Institution
At the Nanoscale	Conceptualizing Nanoscale	54"w x 31 1/2"d x 78"h	Intro	\$40,000	OMSI
Creating Nanomaterials	Self-assembly research (note: loose manipulative parts)	65 1/2"w x 32 1/2"d x 78"h	Intro	\$40,000	OMSI
Unexpected Properties	Nanoparticles have unexpected properties	65 1/2"w x 32 1/2"d x 78"h	Intro	\$40,000	OMSI
Intro to Nanotechnology Video	Nanoscience & its applications	54"w x 31 1/2"d x 78"h	Intro	\$25,000	OMSI
Intro to Nanomedicine Video	Nanomedicine & its applications	54"w x 31 1/2"d x 78"h	Nano Medicine	\$25,000	OMSI
Detecting Disease	Nanotechnology & New diagnostic tools	65 1/2"w x 32 1/2"d x 78"h	Nano Medicine	\$40,000	OMSI
Treating Disease	New Nanomedicine treatments	65 1/2"w x 32 1/2"d x 78"h	Nano Medicine	\$40,000	OMSI
Regenerating Tissue	Repairing tissue with Nanotechnology	65 1/2"w x 32 1/2"d x 78"h	Nano Medicine	\$40,000	OMSI
Nanomedicine Explorer	Interactive media station (Requires internet access)	52"w x 32 1/2"d x 78"h	Nano Medicine	\$25,000	OMSI (software by MOS)
NanoLab	Immersive activities (note: loose manipulative parts; consumables)	13.5' long x 11.5' wide x 7' tall	younger audience	\$75,000	Sciencenter
Fact or Fiction	Real Nanotechnology & myths revealed (note: loose manipulative parts)	6' deep x 10' wide x 7' tall	younger audience	\$25,000	Sciencenter
Bump & Roll	Nanomaterial in everyday objects (requires special maintenance)	65 1/2"w x 32 1/2"d x 78"h	stand-alone	\$30,000	SMM
Changing Colors	Harnessing nanoscale in nature	65 1/2"w x 32 1/2"d x 78"h	stand-alone	\$30,000	SMM
Nano Buzz	Science Buzz media station (Requires internet access)	52"w x 35 1/4" d x 89 1/4"h	stand-alone	\$25,000	SMM
Shipping/Packaging				\$20,000	
<b>TOTAL</b>				<b>\$520,000</b>	