Nano Art is a new discipline that discovers and accentuates the artistic beauty of nanometer sized natural and artificial structures.

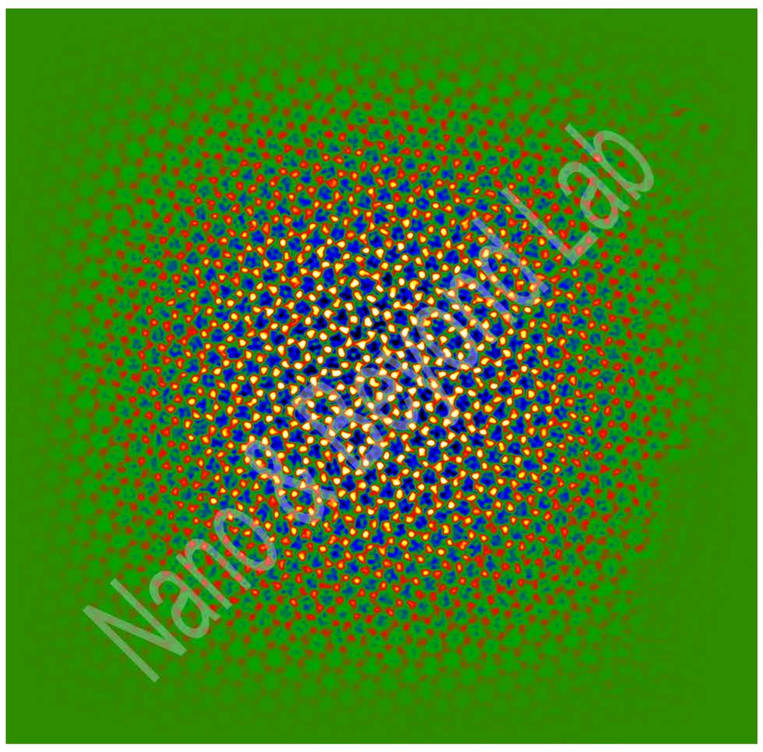
Nano Art can be characterized as one of two means.The first is discovering the artistic value in the images of nanostructures directly observed in the scientific laboratory. The second is the use of natural and artificial materials to create micrometer or even smaller sized sculptures or figures.

An instrument such as electron/ion microscope and scanning probe microscope is used to obtain magnified images of such small nanostructures. The recorded images are either presented as is or processed to accentuate its artistic value. Any modification made in the image is disclosed fully.

Plus more

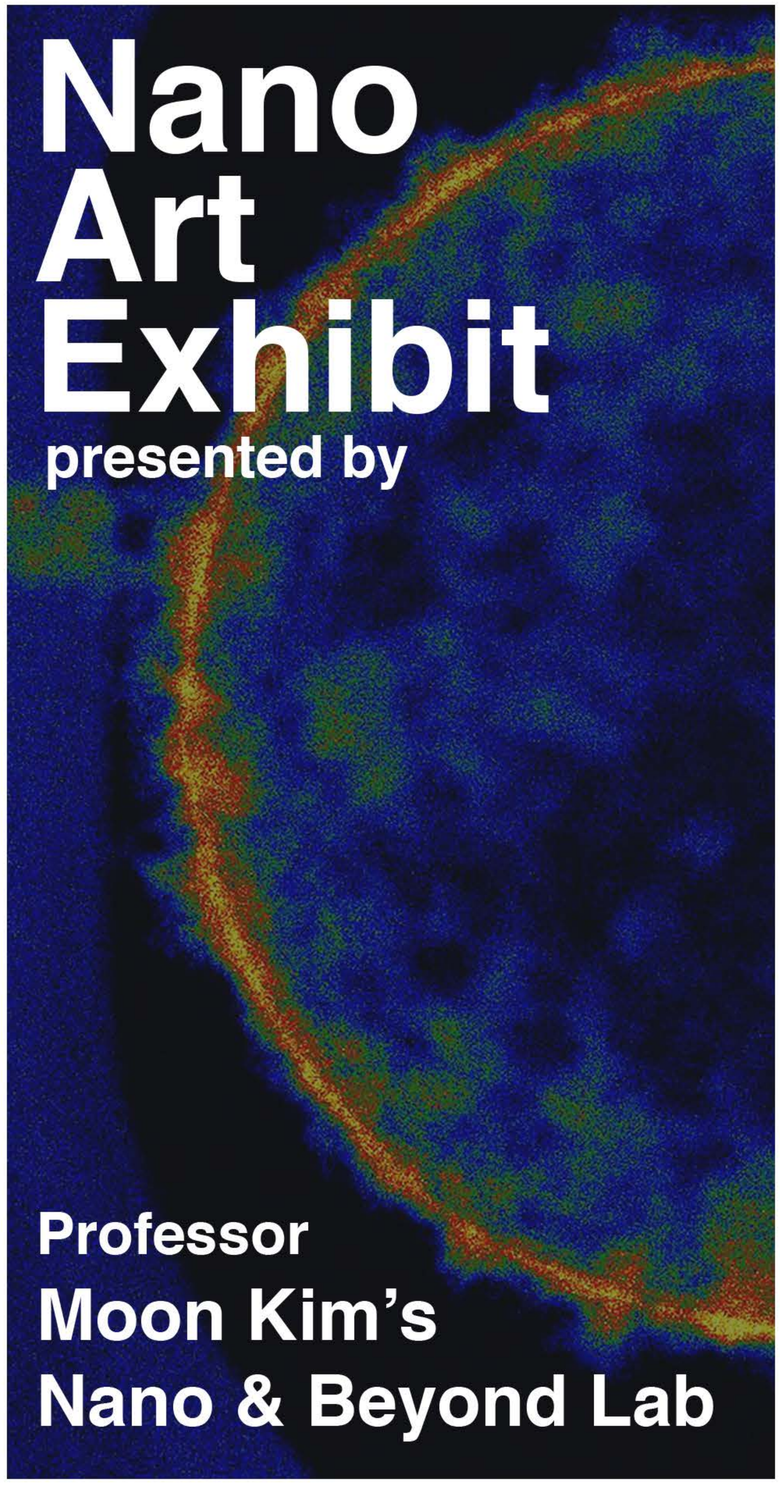
Experience more Nano Artwork at the exhibit. Food and beverages will be available for everyone.

While you are visiting, be sure to experiencethe Virtual Reality Nano Gallery with artworkexclusive to the VR experience.



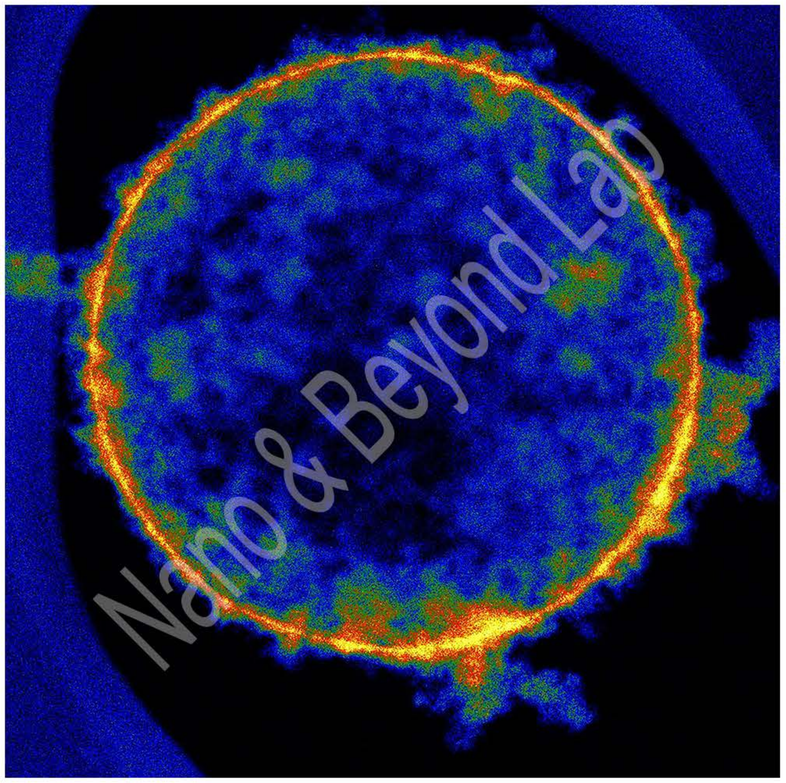
Credits

Sun Kim
Aaron Klick
Ashley Willess
Qingxiao Wang
Dr. J.B. Jeon
Dr. Ning Lu
Dr. S.Y. Park
Dr. J. Wang



October 26, 2016
11 AM – 2 PM

Natural Science and Engineering Research Laboratory Lobby



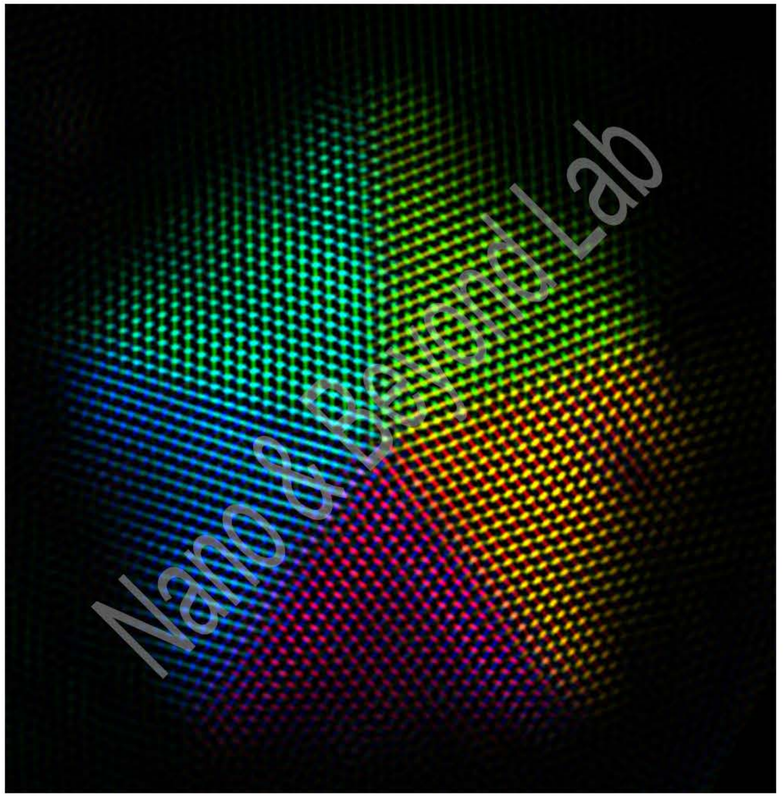
Nano Sun, 2014

A pseudo-colored transmission electron microscopy image of a 250 nanometer silicate nanoshell particle. The silicate nanoshell particle contains iron oxide concentrated on the inside of the shell, as demonstrated by the bright red ring. Take a closer look, and you will see that this nanoshell resembles a tiny solar eclipse. Can you see the corona of this “Nano Sun”? How amazing it is that our life-sustaining Sun is reflected in the tiniest of particles!

JEOL Image Contest 2015
Grand Prize Winner

Flag on the Brink, 2006

A Scanning Electron Microscopy image of a nano flag attached on a Scanning Probe Microscope tip. That tiny thing in the middle of the picture is the nano flag; the flag is 50 nm across, and is so small that simply breathing would blow it away. This so-called “Flag on the Brink” is a result of very skillful nano-manipulation. Just imagine the skill and precision required to attach the tiny flag to the only slightly larger probe tip. The singular flag stands precariously on the edge tip, barely staying aloft as the even the slightest breadth would it hurl it down from where it stands.



Birth of a Nano Star, 2012

A pseudo-colored atomic scale image of a 10 nanometer Pd-Rh alloy nanoparticle during the early stages of its formation. The five distinct regions are indicative of its five-fold rotational symmetry, colorized for easy viewing. The dots in the image represent atomic columns of Palladium (Pd) and Rhodium (Rh) atoms. Its beauty is in its symmetry, and even in the smallest realms of our world, we find order and harmony.

JEOL Image Contest 2014
Grand Prize Winner