



NANOBIOTECHNOLOGY EXPLORATIONS.

STEM SUMMER COURSE
August 4th - Aug 8th, 2014

Lancaster Country Day School (LCDS) will host this Harrisburg University of Science and Technology course as a summer offering for rising high school juniors and seniors, to provide them an opportunity to learn about nanobiotechnology. Each day focuses on a theme dedicated to a specific field of nanobiotechnology. The camp includes a series of interesting lecture components, lab experiments, class discussions and cool class projects.

This is a 2-college credit course offered as a college-in-high-school course with highly subsidized tuition.

Contact | PYoung@harrisburgu.edu or call 717.901.5121 in Admissions for cost of the camp and registration process.

Explore the world of really tiny structures (nanostructures) capable of producing **BIG** wonders! Come find out what **nanostructures** have to do with disease detection, cancer research, heart stents, environmental protection, your laptops and i-Phones. Do you think gold can be blue and pink? Interested in learning more about how to mend bone fractures with **nanoglue**, without too many surgeries? Want to know what nanostructures have to do with your day to day sunscreen lotions? How about a foldable TV screen? Sound fascinating? Based on a report by NSF, one million nanotechnology trained workers would be needed by 2015. **ENROLL TO LEARN** about this fascinating area expected to make a great impact in all fields of science.

Instructor | Dr. Mrunalini (Leena) V Pattarkine is Associate Professor of Biotechnology (Nanobiotechnology Initiative) and also serves as Director, Capital Area Biotechnology Partnership at the Harrisburg University of Science and Technology, Harrisburg, PA. Dr Pattarkine has extensive experience in working with high school students and teachers and has held several workshops at the State and National level for students, educators and career administrators. Dr Pattarkine has been offering this course for past several years and has been attended by students from as far as Texas!

Recommended Age | High school juniors and seniors.