

Nanotechnology Seminar Series

The Nanotechnology Seminar Series is intended to bring together faculty members, students, and guests for exchanging ideas and research experience in the multidisciplinary field of nanotechnology.

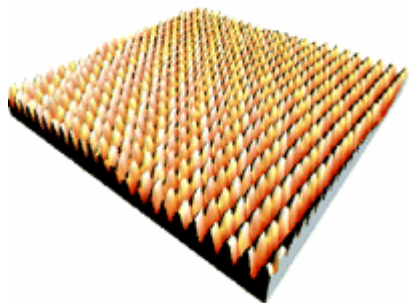
Topic: “Investigation of the Role of Norepinephrine in Bovine Reproduction”

presented by Dr. Amy Way, Dept. of Health Science, Clearfield Campus

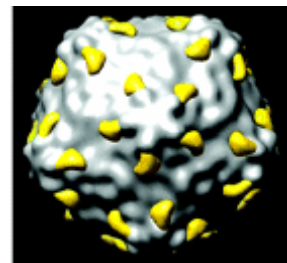
Abstract: The final stages of sperm maturation and fertilization take place in the microenvironment of the oviduct and are essential for successful reproduction in mammals. The fluid that bathes the gametes before fertilization contains components that have been found to improve fertilization in vitro. Among them are the catecholamines. Of particular interest in cattle is norepinephrine, which appears to promote sperm maturation in the oviduct. Norepinephrine typically works through an adrenergic receptor mediated mechanism, but adrenergic receptors have yet to be identified in bovine sperm. This talk will describe some of the research conducted in this area of reproductive biology with the hopes of promoting discussion about ways in which nanotechnology can be utilized to elucidate the mechanism of norepinephrine action on bovine sperm.

When: Dec. 4th , 12.00-12.50 p.m.

Place: Ulmer Hall, room 302



All faculty members and interested students are kindly invited.



For questions and comments contact Dr. Marian Tzolov (mtzolov@lhup.edu).