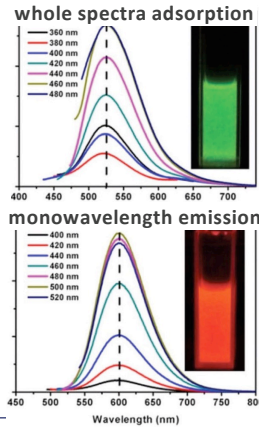
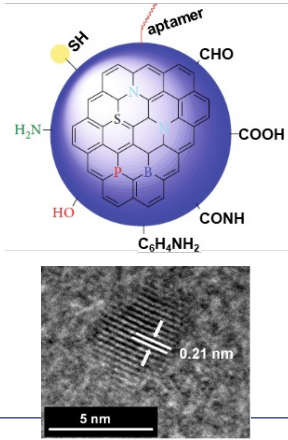


TITLE: Nanomaterials for Sensing and Therapy

Contact Info: Shengnian Wang, swang@latech.edu; 318-257-5125

C-Quantum Dots (CQDs) for Luminescence

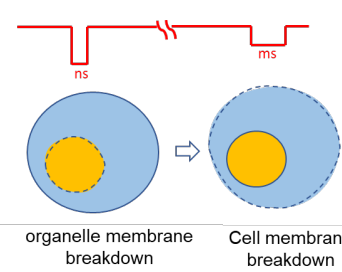


Waste/environment

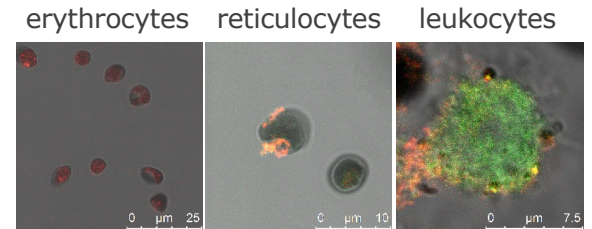


Imaging, sensor, LED, photovoltaic

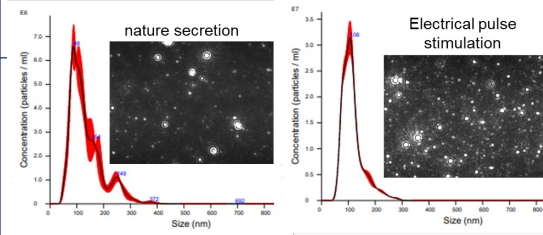
Nanomedicine Produced with Electric Pulses



Delivery to whole blood



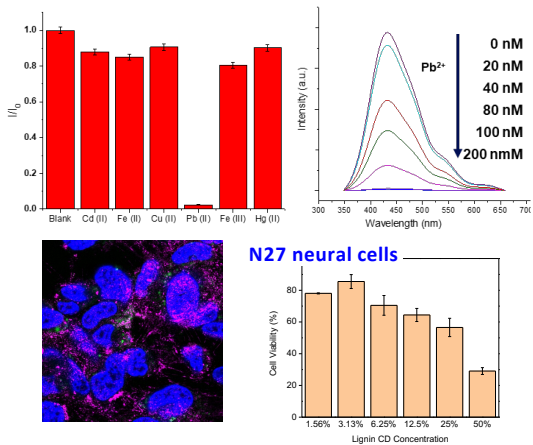
Stimulate EV secretion & RNA package



CUSTOMERS

Cancer treatment
Vaccines
Diagnosis ("Liquid Biopsies")

DESIRED END RESULT



CURRENT STATUS

This is an ongoing project. Besides collaborations on ion sensing in FEC-II project, we look for expansion of its applications in other fields.

Who are the collaborators?
(we are collaborating with MD Anderson on immunotherapy)
Vaccines?
Delivery other diagnostic or therapeutic probes?
Expertise helps understanding the stimulation mechanism

