



University at Buffalo

Department of Chemical
and Biological Engineering

School of Engineering and Applied Sciences

Spotlight



The 2019 Ruckenstein Lecture Series

Chad A. Mirkin, Northwestern University
Department of Chemistry and International
Institute for Nanotechnology

Rational Vaccinology: In Pursuit of the Perfect Vaccine

Thursday, April 18, 2019

Faculty achievements



Ruckenstein Publishes Collected Works on Wetting

Over many years, Eli Ruckenstein's prolific and imaginative research has advanced theories in transport phenomena, interfacial phenomena, catalysis, colloidal forces, polymers, surfactants, materials, and countless other diverse areas of chemical engineering and science.



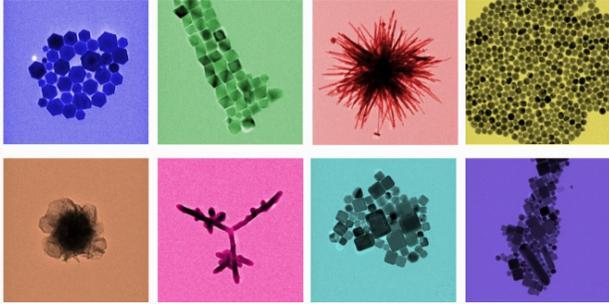
Carl Lund Named Chair of the UB Department of Engineering Education

The newly-established Department of Engineering Education seeks to study and implement new strategies for scaling and translation of engineering education research findings into widespread classroom practice.

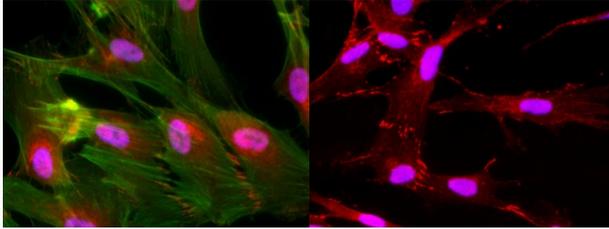
Research

Energy Storage from Transition Metal Oxides

The Mark Swihart research group is synthesizing magnetic three-dimensional

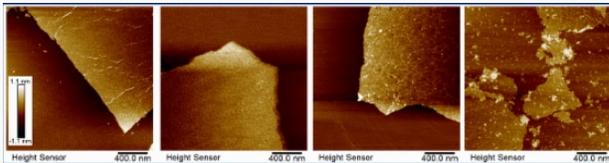


(3D) hierarchical dendritic cobalt oxide (CoO) nanostructures with unique magnetic properties and potential energy storage applications.



Cell-cell Adhesion in Stem Cell Fate Decisions and Tissue Regeneration

The Stelios Andreadis research group aims to understand the fundamental mechanobiology of cell adhesion in stem cell fate decisions, tissue regeneration and cancer metastasis.



Sieving Salt from Seawater-Next Generation Nanofiltration Membranes for Water Desalination

PhD candidate Xiaoyi Chen from the Haiqing Lin research group is developing next-generation nanofiltration (NF) membranes for water desalination from graphene oxide (GO).

Spotlight-Haiqing Lin Research Group



PhD candidate Xiaoyi Chen was awarded The Elias Klein Founders' Travel Supplement to attend the 2019 NAMS (North American Membrane Society) conference.



Dr. Liang Huang has been selected as one of three recipients for the 2019 North American Membrane Society (NAMS) Young Membrane Scientist Award.



Dr. Lingxiang Zhu, PhD 2018, was selected to receive the Chinese Government Award for Outstanding Self-financed Students Abroad.

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