

Chemistry Department

Senior Thesis



FRIDAY

APRIL 15, 2011

WICK SCIENCE BUILDING

ROOMS 107, 119, 122, 124

ST. CLOUD STATE UNIVERSITY

CORNER OF EIGHTH STREET AND FIRST AVENUE SOUTH

3:30 P.M. — 6:30 P.M.

Chemistry Senior Thesis Presentations

<i>Session # 1</i> <i>WSB-107</i>		
<i>3:30 – 4:15</i>		
<i>4:15 – 5:00</i>	Brittany Vattuone	A Review: Isotope Ratio Testing in Identifying Illegal Drug Doping
<i>5:00 – 5:45</i>	Sasha Hancock	A Review: The Use of Gas Chromatography Mass Spectroscopy to Detect Toxic Contaminants in Herbal Substances
<i>5:45 – 6:30</i>	Prasad Mawilmada	Diffusion Dynamics of Hydro Gels

<i>Session # 2</i> <i>WSB-119</i>		
<i>3:30 – 4:15</i>	Elizabeth Ong'era	Analysis of Identified ALDH2 Inhibitors on ALDH1A1 & ALDH3A1
<i>4:15 – 5:00</i>	Jessica Lohrman	Crystal Synthesis and Exploration of the Charge Carrier Mobilities of Organic Semiconductors Tetracene and 5,6,11,12-Tetrachlorotetracene
<i>5:00 – 5:45</i>	Cassie DeSaer	Carbamazepine Inhibits Seizure-like Activity Induced by Distinct Chemoconvulsants in <i>Dugesia tigrina</i>
<i>5:45 – 6:30</i>	Matthew Otto	Role of the Bacterial Organomercury Lyase (MerB) in Controlling Methylmercury Accumulation in Mercury-Contaminated Natural Waters, a Review

Chemistry Senior Thesis Presentations

<i>Session # 3</i> <i>WSB-122</i>		
3:30 – 4:15	Abishek Dhungel	Study of Anticancer Activities of Ruthenium-Benzimidazole Metal Complexes Using Fluorometry
4:15 – 5:00	Sarah Wegwerth	Synthesis of a Novel Goniotalamin Analogue Designed to Deplete Intracellular GSH
5:00 – 5:45	Tasha Frick	Interest and Attitude in Chemistry: Do Different Instructional Strategies have an Impact on Student Achievement?
5:45 – 6:30	Timothy Keller	Investigation of Modeling Techniques for the Analysis of Time-Resolved Fluorescence Data at Multiple Excitation Wavelengths

<i>Session # 4</i> <i>WSB-124</i>		
3:30 – 4:15	Namukulwa Wauna	Effect of Riluo on b-amyloid (1-42) Aggregation: Investigations Using Spectrofluorimetry and Atomic Force Microscopy
4:15 – 5:00	Shiva Shrestha	Study of the interaction of Ruthenium Benzimidazole Metal Complexes with DNA By Atomic Force Microscope (AFM)
5:00 – 5:45	Jason Brethorst	Design and Synthesis of an Analogue of the Natural Product Costunolide
5:45 – 6:30	Robert Carruth	Nanostructured Materials for Drug Delivery



*For parking regulations and directions,
please go to
<http://www.stcloudstate.edu/parking/policies.asp>
Parking is available after 3:00 p.m. in Lot F, H, and J.*

