



**School of Physical Sciences Senior Symposium  
December 4, 2010**

9:10-9:20 Welcome – Dr. Barbara Keller, Dean of Natural,  
Mathematical & Health Sciences

**9:20-9:40 Kevin Tallon**

Using Geospatial Survey Techniques and Analyses to Determine Distribution  
and Population Dynamics of Sea Lamprey

**9:40-10:00 Elizabeth Rink**

The Relationship between Phosphorus and E. coli Levels in Door County, WI  
Beaches

**10:00-10:20 Jeffery Babb**

Popcorn-Shape Gold Nanomaterial Based Sensing and Photothermal Therapy  
of Prostate Cancer Cell

**10:20-10:40 Celeste Baker**

An Epidemiological Study of Blastomycosis in the Northern Lower and Eastern  
Upper Peninsulas of Michigan

**10:40-11:10 Break**

**11:10-11:30 Richard Brace**

Analysis of US EPA Method A: *Enterococci* in Water by TaqMan®  
Quantitative Polymerase Reaction (qPCR) Assay

**11:30-12:00 Kathleen Rooney**

Arsenic Concentrations in Chicken Thighs by Inductively Coupled Plasma  
Mass Spectrometer (ICP/MS)