10:00 AM  Welcome  Philip Reeder, Ph.D., Dean, Bayer School of Natural and Environmental Sciences, Duquesne University

10:10 AM  Keynote Address  J. Karl Johnson, Ph.D., William Kepler Whiteford Professor, Co-Director, Center for Simulation and Modeling, Department of Chemical & Petroleum Engineering, University of Pittsburgh
“Carbon Nanotube Membranes for Water Desalination: Predictions from Simulations and Experimental Confirmation”

11:00 AM  Student Presentations

Andrew Adams  Expression, Purification, and Preliminary Kinetic Study of the Periplasmic Nitrate Reductase from Campylobacter jejuni  Department of Chemistry and Biochemistry, Duquesne University

Aaron van Dyne  Accelerating Monte Carlo Simulation of Protein-Protein Interaction  Department of Computational and Systems Biology, University of Pittsburgh

Leah Ali  A Study of the Presence of Gunshot Residue in Pittsburgh Police Stations  Department of Chemistry and Biochemistry, Duquesne University

11:45 AM  Short Break

Andrew Glaid  Correlation Between Band Gap and Electronegativity of Substituted Atoms in the TiO₂ Crystalline Structure  Department of Chemistry and Biochemistry, Duquesne University

Caela Long  Inflammatory Pain and the Central Amygdala: Immunohistochemical Analysis of Pain Markers  Department of Biological Sciences, Duquesne University

Charles Lewandowski  Chemical Vapor Deposition Growth of Large Domain Graphene  Department of Physics and Astronomy, University of Pittsburgh

Sarah Schwettmann  Traveling Waves in a Wilson-Cowan Model of Cortex  Department of Computational and Systems Biology, University of Pittsburgh

Session Moderator  Benedict Kolber, Ph.D.; Assistant Professor, Department of Biological Sciences, Duquesne University