

Student Research Colloquium 2010

Student Presenters

Christine Amayta	Behavioral Effects of Galantamine in Scopolamine Treated Planaria
Rajan Thapa	Effect of Galantamine and Riluzole on Beta-Amyloid (1-42) using Fluorescence and Atomic Force Microscopy
Neranjana Dasanayaka	Teratogenic Effects of Ethylene Glycol Ethers and Their Metabolites of Oxidative Metabolism in <i>Xenopus levis</i>
Rekike Alem	Mutagenic Potential of Ethylene Glycol Ether Metabolites
Wei Loon Teoh, Yii Van Tay	Role of Human Liver Aldehyde Dehydrogenases in Non-Alcoholic Steatohepatitis (NASH) Caused by High-Fructose Corn Syrup (HFCS)
Gudina Eticha	The Impact of Vanadium Flavonoid Complexes on the Catalytic Activity of Phosphodiesterase I
Sandip Phuyal	An Investigation of the Interaction Between Cholesterol Aggregates and Anticoagulants Using a Fluorescent Probe
Tony Dupay	Are Home Laboratory Experiments an Effective Tool for Online Chemistry Students
Andrew Meyer, Christina Amatya, Jyotindra Acharya	A Planaria Model for Epilepsy
Christina Amatya, Cassie DeSaer	Behavioral Effects of Scopolamine in Planaria
Ayush Mandal	Single-Step Conversion of Cellulosic Biomass into Biofuels
Mohamed Traore, Ayush Mandal	Fermentation of Biomass Pretreated with Sulfuric Acid and Bleach via <i>Clostridium Phytofermentans</i>
Subrat Acharya, Ayush Mandal	The Role of Human Aldehyde Dehydrogenase 6 (ALDH6A1) in Resistance to Anticancer Drug Cyclophosphamide
Ashley Feneis, Rajan Thapa	An Investigation of the Interaction Between Alzheimers Disease Drugs and the Fluorescein Amyloid (1-42) Peptide
Sisay Girmay	Synthesis, Characterization and DNA Interaction Studies of Titanium-flavonoid Complexes
Robert Payne	Activation of the NLRP3 Inflammasome by Titanium Dioxide Nanowires
Megan Buerkley	Chemistry 160 Redesign: Implementing Learning Assistants in Introductory and Advanced Chemistry Courses
Prasad Mawilmada	Effect of Anhydrous Sodium Sulfate On the Dehydration of Dicalcium Phosphate Dihydrate

Prasad Mawilmada	Use of Fluorescent Probes to Monitor the Dynamics in Vegetable Oils
Tong Xiong, Prasad Mawilmada	Nanotoxicity of Iron Oxide Nanoparticles
Josh Hary, Corrie Barnowsky	Aggregation of Cholesterol: Investigations Using Viscosity Measurements and Scanning Electron Microscopy
Ivan Spector	Synthesis and Analysis of Ferroelectric Liquid Crystals
Dennis Luke	Anticancer Activity of RuCDTA and TiCDTA Complexes and Their Interactions with DNA
Yejur Kunwar	Inhibition of Alpha- and Beta-Glucosidase by Vanadium-Flavonoid Complexes and its Impact on Glucose Metabolism and Diabetes
Brian Backer, Jacob Swanson	Single Crystal Growth Techniques For Perylenetetracarboxdiimide Derivatives
Aron Schnaser	Comparison of Student Knowledge of Nuclear Waste Between Chemistry Majors and Non Majors