



Chemistry Seminar Schedule – Spring 2022

April 1	Adewale Adehinmoye (2 pm) <i>“Identification of polystyrene nanoplastics using surface enhanced Raman spectroscopy”</i> Rosemary Addo (3 pm) <i>“Occurrence of pharmaceutical active compounds in sewage sludge from two urban wastewater treatment plants and their potential behavior in agricultural soils”</i>
April 8	Victoria Ujah (3 pm) <i>“Total Synthesis of the Potent and Broad-Spectrum Antibiotics Amycolamicin and Kibdelomycin”</i> Melissa Mathius (Res. Seminar) (4 pm) <i>“Synthesis of Highly Conjugated Porphyrinoid Systems”</i>

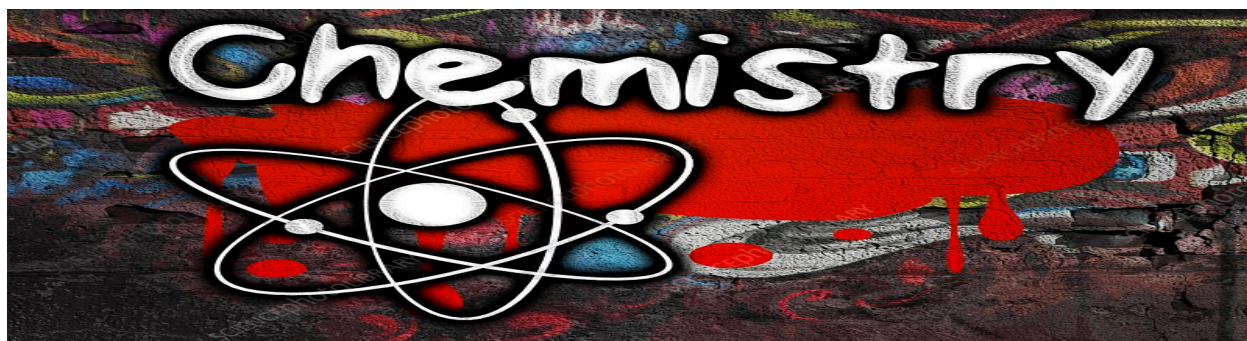
DATES AND DEADLINES

April 4	Spring 2023 class schedules requested. Due July 1.
April 7	Transfer Day
April 8	Last day to withdraw from a full-semester course. Withdrawal grade of WX will be assigned. No adjustment of charges. Last day to officially withdraw from the University. Last day to remove the pass/no pass (pass/fail) option from a second-half semester course.
April 15	Transfer Day

UPCOMING
EVENTS

April 29 - Senior Banquets and Awards Ceremony
at the Marriott 5:30-8pm

May 6 - Graduation Reception in the Bohn-
Nielsen Resource Room (Julian Hall 215) 2-4pm



STUDENT, FACULTY and STAFF ACTIVITIES

Student Presentations (Posters)

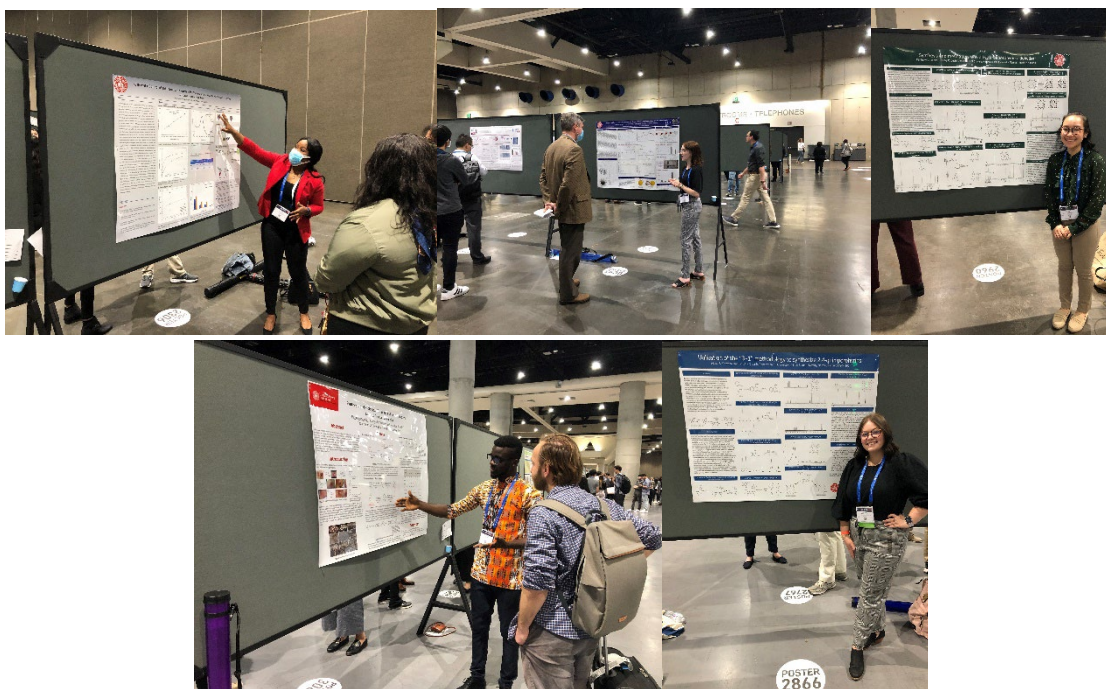
American Chemical Society National Meeting and Exposition, San Diego, CA., Mar. 20-24, 2022

1. ^(G)Ogunlusi, Tosin and Driskell, Jeremy D., "Systematic Control of Thiol Groups on Proteins for Manipulating Interaction with Gold Nanoparticles."
2. ^(G)Riley, McKenzie and Driskell, Jeremy D., "Protein Modification as a Facile Approach to Retain Activity upon Conjugation to Gold Nanoparticles."

FACULTY PRESENTATION

American Chemical Society National Meeting and Exposition, San Diego, CA., Mar. 20-24, 2022

1. Driskell, Jeremy D., ^(G)Okyem, Samuel, and ^(G)Awotunde, Olatunde, "Adsorption Behavior of Chemically/Charge Modified Antibody on Gold Nanoparticles."



Research Symposium, Illinois State University, April 1, 2022

1. ^(G)Addo, Rosemary, Mulligan, Christopher C. "Temporal and Spatial Profiling of Priority Soil Pollutants using Filter Cone Spray Ionization - Mass Spectrometry (Fcsims)."
2. ^(G)Adehinmoye, Adewale, Kim, Jun-Hyun., Mulligan, Christopher C. "Title Improving Detection of Illicit Drugs Using Plasmonic Nanoparticles by Paper Spray Ionization-Surface Enhanced Raman Spectroscopy."
3. ^(UG)Angles, Susanna, Mitchell, T. Andrew. "Applications of [5+2] Cycloadditions Toward Cleavable Tethers."
4. ^(UG)Arndt, Tom, Nagorski, Richard. "The Effect of The Alkyl Group on the Hydroxide Catalyzed Breakdown of O-Alkylated Carbinolamides."

5. ^(G)Barnes, Andy, Mitchell, T. Andrew. "Amide Imitation as a Probe of Steric Interactions."
6. ^(UG)Bergh, Allison, Weitzel, Christopher S. "I-U Nh Vs. Leurs-I: Influencing Growth Characteristics of Sulfolobus Islandicus."
7. ^(G)Bondzie, Ebenezer, Mulligan, Christopher C. "Rapid, Fieldborne Processing of Bulk Samples With a 3D-printed Cone Spray Ionization-Mass Spectrometry (3D-PCSI) Autosampler Platform."
8. ^(G)Brewster, Jonathan, Weitzel, Christopher S. "Using Protein-Protein Interactions to Better Understand LeuRS-I Function in Sulfolobus Islandicus."
9. ^(UG)Corrie, Seth, Mitchell, T. Andrew. "[5+2] Cycloadditions Utilizing a Boron-Nitrogen Based Tether and Discovery of a Mild Protodeboronation Method."
10. ^(G)Darko, Kwabena, Mitchell, T. Andrew. "Oxidopyrylium-Based [5+2] Cycloadditions."
11. ^(G)Ebbah, Eunice, Kim, Jun-Hyun., Driskell, Jeremy. "Rapid Vertical Flow Immunoassay via Sandwiched Plasmonic Approach for Enhanced Point of Care Diagnostics."
12. ^(G)Ehlbeck, Johanna, Webb, Michael. "Synthesis, Characterization and Analysis of Structure Activity Relationships of Ruthenium-Based Alzheimer's Disease Therapeutics."
13. ^(G)Erzuah, Marymoud, Mitchell, T. Andrew. "Oxidopyrylium-Based [5+2] Cycloaddition Reaction."
14. ^(G)Eyimegwu, Faith, Kim, Jun-Hyun. "Effects of Functional Polymer Particles on the Formation of Gold Nanoparticles and their Catalytic Properties."
15. ^(UG)Graybeal, Alexis, Lash, Timothy. "Utilization of the "3+1" Methodology to Synthesize 2,4-Quiniporphyrins."
16. ^(UG)Harris, Arthur, Szczepura, Lisa. "Progress Towards Generating Discrete Clusters from Mo₆I₁₂."
17. ^(UG)Lai, Quyen, Jones, Marjorie. "Purification of Secreted Acid Phosphatase from Leishmania Tarentolae."
18. ^(UG)Le, Kimberly, Lash, Timothy. "Synthesis and Metalation of N-Alkylcarbaporphyrin Aldehydes."
19. ^(UG)Marcheschi, Michael, Friesen, Jon. "Cloning of the Gene Encoding Sulfolobus Islandicus Glycerol Kinase."
20. ^(G)Ogunlusi, Tosin, Driskell, Jeremy. "Systematic Control of Thiol Groups on Proteins for Manipulating Interaction with Gold Nanoparticles."
21. ^(UG)Oliver, Ethan, Weitzel, Christopher S. "Leurs-I: A Black Sheep Synthetase."
22. ^(UG)Pauley, Kenneth, Mitchell, T. Andrew. "Effects of a Novel Amide Group on Silyloxyprone-Based [5+2] Cycloadditions."
23. ^(G)Promise, Ifeanyichukwu, Mitchell, T. Andrew. "5+2 Oxidopyrylium Based Cycloaddition."

24. ^(G)Riley, McKenzie, Driskell, Jeremy. "Protein Modification as a Facile Approach to Retain Activity Upon Conjugation to Gold Nanoparticles."
25. ^(G)Strandquist, Evan, Weitzel, Christopher S. "Investigating the Editing Mechanism of an Archaeal Leucyl tRNA Synthetase."
26. ^(UG)Taylor, Jasmine, Mulligan, Christopher C. "Establishing the Total Analytical Efficiency of Substrates Employed for Surface Swabbing PSI-MS Protocols."
27. ^(UG)Zaman, Faeq, Friesen, Jon. "Cloning, Expression, and Kinetic Characterization of the Flavin Cofactor Synthesis Enzymes Fad Synthetase and Riboflavin Kinase from Sulfolobus Islandicus."
28. ^(UG)Ziegler, Logan, Weitzel, Christopher S. "Assessing the Toxicity of Leurs-I in Escherichia Coli BL21 (DE3)."

