



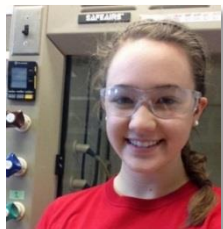
Illinois State University

DEPARTMENT
OF CHEMISTRY

Celebrating 50 years

BLUE NOTES

May 2, 2016 – Issue 2016-09



FREDSTROM TO SERVE ON ACS COMMITTEE ON CHEMICAL SAFETY

Congratulations to Nora Fredstrom, a dual major in chemistry and safety, who was selected to serve on the American Chemical Society's (ACS) national Committee on Chemical Safety. She is the first undergraduate ever to be appointed to the committee.

DATES AND DEADLINES

- May 6 -Spring semester ends.
 -Evaluation (Final Exams) period ends.
 -Chemistry Graduation Reception – 5:30-6:30 p.m., Turner 121
 -Commencement Ceremony for Mennonite College of Nursing and College of Arts & Sciences.
- May 7 Commencement Ceremony for Colleges of Education, Applied Science & Technology, Business, and Fine Arts.
- May 9 -Interim Summer Session begins. (Since Summer session has many variable length courses, please consult the Registrar's website for dates regarding withdrawal from a course and withdrawal from the University).
 -Summer class list/final grade submission informational email sent to faculty.
 -Last day to register on My.IllinoisState.edu for Summer. Future Summer registration must be done in 107 Moulton Hall.
- May 10 Spring final grades are due on My.IllinoisState.edu by noon.
- May 11 -Begin Final Audit of May 2016 Bachelor Degree candidates. (If same deficiencies remain from preliminary audit, neither the student nor the department will be contacted. If deficiencies have changed, new deficiency statements will be sent to the student and the dept/school).
- May 12 -Spring grades available to students on My.IllinoisState.edu after 2 p.m.
- May 13 Final Spring 2016 Section file update.
- May 16 -Summer Session begins.
 -Deadline for August 2016 Graduate Degree candidates seeking continuous registration (i.e., thesis/dissertation) to notify the graduate programs evaluator to initiate registration.
 -Fall Registration & Program Change opens at 8 a.m. Ends on September 2nd.



ACS CALENDAR

- May 16 Local Section Meeting at Illinois State University, Julian Hall Room 225, 7 p.m.,
 Speaker: Keith Cadwallader, UIUC

STUDENT, FACULTY and STAFF ACTIVITIES

Publications

Accepted for Publication

1. ^(G)Seth L. Filbrun, **Jeremy D. Driskell**, "A Fluorescence-based Method to Directly Quantify Antibodies Immobilized on Gold Nanoparticles," *Analyst* **2016**, DOI: 10.1039/c6an00193a. Selected for *Emerging Investigator-themed issue*.

Faculty Presentations

1. **T. Andrew Mitchell**, "Utilizing Cycloadditions to Access New Three-Dimensional Chemical Space," Annual Banquet of the ISU/IWU Chapter of Sigma Xi, Illinois State University, Normal, IL, April 20, 2016.

Student Presentations

1. ^(UG)Alexandra B. Mandl (presenter), ^(G)Seth L. Filbrun, ^(G)Yen H. Lai, ^(UG)Francis E. Lovato, **Jeremy D. Driskell**, "Asymmetric Functionalization of Gold Nanoparticles to Produce Controlled Dimers: A Novel Approach to Aggregation Based Immunoassays," 251st ACS National Meeting, San Diego, CA, March 13, 2016.
2. ^(G)Seth L. Filbrun (presenter), ^(G)Yen H. Lai, ^(UG)Arielle A. Lopez, **Jeremy D. Driskell**, "Development of a Multiplexed Point-of-Care SERS Immunoassay Based on Antigen Mediated Aggregation of Gold Nanoparticles," 251st ACS National Meeting, San Diego, CA, March 13, 2016.
3. Victoria H. Nguyen, Matthew Phaner, Derek Bemke, ^(G)Erasmus Jugovic, ^(UG)William T. Darrow, **Marjorie A. Jones**, "IL Heartland Local ACS Battle of the Chem Clubs," Illinois Heartland Awards Banquet Poster Session, Peoria, IL, April 6, 2016.
4. ^(G)Zach E. Lawton, "Demonstration of Scalable Analytical Methods for the Screening of Emerging Designer/Synthetic Drugs of Abuse by UHPLC-TOFMS Equipped with a Novel and Automated Analyte Search Algorithm," Invited Address at PerkinElmer Technical Center, Downers Grove, IL, April 21, 2016.

ISU Chemistry Club Poster Session, April 18, 2016

5. ^(UG)Alessandra M. Bruno, **Michael C. Gizzi**, **Jamie R. Wieland**, **Christopher C. Mulligan**, "The Implementation of a Portable Mass Spectrometer in the Criminal Justice System."
6. ^(UG)Nora K. Fredstrom, **Gregory M. Ferrence**, "ACS Committee on Chemical Safety: An Undergraduate Committee Member's Perspective on Involvement in ACS Governance."
7. ^(UG)Nora K. Fredstrom, **Shawn R. Hitchcock**, **Gregory M. Ferrence**, "Compliance versus Commitment: Bridging the Necessity of Experimentation and the Requirements of Safe Practice."
8. ^(G)Jade M. Katinas, ^(UG)Rachel Epplin, **Christopher G. Hamaker**, **Marjorie A. Jones**, "Investigation of Unique Sulfonamides on *Leishmania* Cell Viability and Pathway of Inhibition."
9. ^(UG)Angelica R. Traub, **Christopher C. Mulligan**, "Toxicological Applications of a Portable Mass Spectrometer."
10. ^(G)Craig A. Wallace, **Craig C. McLauchlan**, **Marjorie A. Jones**, "Incubation of *Leishmania tarentolae* with Vanadium Complexes to Assess Their Potential as Therapeutic Drugs."

11. ^(G)Erasmus Jugovic, **Christopher G. Hamaker**, "Synthesis of New Catalytically Active Metal-Ligand Complexes."
12. ^(G)Zachary E. Lawton, ^(UG)Alessandra M. Bruno, **Michael C. Gizzi**, **Jamie R. Wieland**, **Christopher C. Mulligan**, "Characterization of 2C-Phenethylamine Designer Drugs and N-(2-Methoxy)benzyl Derivatives Using a Portable, Ambient Sampling Mass Spectrometer."
13. ^(UG)Tyler J. Smolczyk, **Timothy D. Lash**, "Preparation of Carbatripyrrin Intermediates for the Synthesis of Carbaporphyrinoid Systems."
14. ^(G)Craig S. Haynes, **Jean M. Standard**, **Shawn R. Hitchcock**, "Synthetic Efforts Towards a Human T-cell Leukemia Virus Protease Inhibitor."
15. ^(UG)Matthew G. Bauer, ^(G)Benjamin M. Dorsey, ^(UG)Jordan M. Baumhardt, **Marjorie A. Jones**, "Studies of Leishmania and Collagen Interactions."
16. ^(UG)Kirk Eichenberg, ^(G)Benjamin M. Dorsey, ^(UG)Jessica L. Wickline, ^(UG)Alexis E. Broedlow, **Marjorie A. Jones**, "Tryptamine Derivatives, Extracted from Syrian Rue Seeds, Negatively Affected *Leishmania tarentolae* in Culture: A Model Study."
17. ^(UG)Richard E. Taylor IV, **Jun-Hyun Kim**, "Catalytic Property of Highly Stable Gold-Polymer Composite Nanoparticles."
18. ^(UG)Samantha B. Willens, Shilpa Pohani, ^(UG)Haley N. Gelfund, **T. Andrew Mitchell**, "Investigation of [5+2] Cycloadditions and Synthesis of Charged Thiols."
19. ^(UG)Chloe M. Butcher, **Shawn R. Hitchcock**, "Oxazolidine-2-thione Malonamides: A New Chiral Scaffold for Asymmetric Conjugate Additions-Asymmetric Synthesis of the Neuroprotective Agent Rolipram."
20. ^(UG)Alexandra B. Mandl, ^(G)Seth L. Filbrun, ^(UG)Francis E. Lovato, ^(G)Yen H. Lai, **Jeremy D. Driskell**, "The Asymmetric Functionalization of Gold Nanoparticles to Produce Controlled Dimers: A Novel Approach to Aggregation Based Immunoassays."
21. ^(G)Seth L. Filbrun, ^(G)Yen H. Lai, ^(UG)Arielle A. Lopez, **Jeremy D. Driskell**, "Development of a Multiplexed Point-of-Care SERS Immunoassay Based on Antigen Mediated Aggregation of Gold Nanoparticles."
22. ^(UG)William T. Darrow, **Timothy D. Lash**, "Synthesis of Key Intermediates for the Generation of Benziporphyrins."
23. ^(UG)Alissa N. Latham, **Timothy D. Lash**, "Preparation of Tripyrrane Intermediates for the Synthesis of *N*-methylbenzocarbaporphyrins."

