



SPRING 2023 SEMINAR SERIES

May 5	Andy Barnes (3 pm) Title: <i>TBD</i>
May 12	Finals Week – no seminar

Seminars are held Fridays at 3:00 pm in JH 225 unless otherwise indicated.

DATES AND DEADLINES

- May 1 Final grade rosters available on My.IllinoisState.edu for all classes. Final grade submission informational email sent to faculty.
- May 2 Last day to withdraw from a second-half semester course. A withdrawal grade of WX is assigned. No adjustment of charges or financial aid. Last day to add or remove pass/no pass (pass/fail) option from a second-half semester course
- May 5 Last Day for students who have a final exam conflict to complete the conflict verification form.
- May 6 Last Day of spring classes. Evaluation (final exams) period begins.
- May 12 Spring semester ends. Evaluation (final exams) period ends.
- May 12-13 Commencement ceremonies take place.

UPCOMING events

May 5, 2023 Senior Banquet & Awards Ceremony

**5:30-8 p.m. Circus Room
The Bone Student Center**

May 12

**Graduation Ceremonies
Graduation Reception – 212 Turner
Hall**

Announcements



Victoria Ujah gave birth to a baby boy on April 19th. His name is Sky Eko Martin. Mother and baby are doing well. Congratulations to the family!

STUDENT, FACULTY and STAFF ACTIVITIES

Publications

^(G)Ogunlusi, Tosin and Driskell, Jeremy D. "Controlled Temporal Release of Serum Albumin Immobilized on Gold Nanoparticles" *Langmuir*, **2023**, 39, 3720-3728.

Presentations

^(G)Mathius, Melissa A. and Lash, Timothy D., "Synthesis, Metalation and Aromatic Characteristics of Anthro [2,3-*b*]-21-Carbaporphyrins". 264th ACS National Meeting, Chicago, Illinois, August 21-25, **2022**. Division of Organic Chemistry.

^(G)Ujah, Victoria C. and Lash, Timothy D., "Synthesis of Porphyrins," 264th ACS National Meeting, Chicago, Illinois, August 21-25, **2022**. Division of Organic Chemistry.

^(G)Falola, Temitayo and Hamaker, Christopher, "Tunable SNS-Imine Ligated Complexes of Copper and Nickel for Photocatalytic Remediation of Water." **2022** ACS Midwest Conference, Iowa City, Iowa.

^(UG)Salrin, Jared and Lash, Timothy D., "Synthesis of *N*-Methyl Phenanthroporphyrinoids." 265th ACS National Meeting, Indianapolis, Indiana, March 27, **2023**. Division of Chemical Education.

^(UG)Helminck, Katherine L.; Chin, Colleen P.; and Szczepura, Lisa F., "Unexpected Reactivity of Phenylacetylide Coordinated to Rhenium Selenide Clusters." 265th ACS National Meeting, March 26-29, **2023**, Indianapolis, Indiana.

^(UG)Ingram, Kalli E. and Szczepura, Lisa F., "Investigating the Ability of [Re₆Se₈]²⁺-Based Clusters to Facilitate Cycloaddition Reactions". 265th ACS National Meeting, March 26-29, **2023**, Indianapolis, Indiana.

^(UG)Angles, Susanna and Mitchell, T. Andrew, "Applications of [5+2] Cycloadditions Towards Cleavable Tethers", 265th ACS National Meeting, March 26-29, **2023**, Indianapolis, Indiana.

Chilukuri, Bhaskar; Mazur, U.; and Hips, K.W., "Cooperative Binding in Self Assembled Monolayers (SAMs) – A Computational Modeling Study." Abstracts of Papers, Symposia: "Molecular Ordering at Interfaces: Theory, Fundamentals, and Applications," oral presentation at the 265th ACS National Meeting, March 26-29, **2023**, Indianapolis, Indiana; American Chemical Society: Washington, D.C., **2023**.

^(G)Sage, Jarrod and Chilukuri, Bhaskar, "In Silico and Tunneling Microscopy Investigations of Surface Impact on Halogen-Halogen Intermolecular Forces." Abstracts of Papers, Symposia: "Molecular

Ordering at Interfaces: Theory, Fundamentals, and Applications;" Poster presentation to the 265th ACS National Meeting, March 26-29, **2023**, Indianapolis, Indiana; American Chemical Society: Washington, D.C., **2023**.

^(G)Eyimegwu, Faith M.; ^(G)Egemole, Franklin O.; ^(G)Eyimegwu, Pascal N.; and Kim, Jun-Hyun, "Effects of Functional Polymer Particles on the Formation of Gold Nanoparticles and Their Catalytic Properties." 265th ACS National Meeting, March 26-29, **2023**, Indianapolis, Indiana.

^(G)Adehinmoye, Adewale; ^(G)Harms, John P.; Driskell, Jeremy D.; Mulligan, Christopher C.; and Kim, Jun-Hyun, "Improving Detection of Illicit Drug Using Plasmonic Nanoparticles by Paper Spray Ionization-Surface Enhanced Raman Spectroscopy." 265th ACS National Meeting, March 26-29, **2023**, Indianapolis, Indiana.

^(G)Darko, Kwabena and Mitchell, T. Andrew, "Efforts Toward *N*-Heterocyclic Carbene (NHC) Catalyzed [5+2] Cycloadditions". Poster presentation at the 265th ACS National Meeting, March 26-29, **2023**, Indianapolis, Indiana.

^(G) Santarelli, Joseph W. and Peters, Steven J., "Electron Affinity Equilibrium Studies of N1 and N2-Phenyl-1,2,3-Triazole Isomers." 265th ACS National Meeting, March 26-30, **2023**, Indianapolis, Indiana.

^(G)Santarelli, Joseph W. and Peters, Steven J., "Electron Affinity Equilibrium Studies of N1 and N2-Phenyl-1,2,3-Triazole Isomers." 2023 ACS Illinois Heartland Awards Banquet, Peoria, Illinois, April 13, **2023**.

^(G)Santarelli, Joseph W. and Peters, Steven J., "Electron Affinity Equilibrium Studies of N1 and N2-Phenyl-1,2,3-Triazole Isomers", 2023 ISU Graduate Research Symposium, Normal, Illinois, April 14, **2023**.

^(UG)Bambalas, Lillian; ^(G)Ayim, Emmanuel; Service, J.B. and Hitchcock, Shawn R.* "An Asymmetric Glycolate Additions Strategy for the Preparation of a P1-Structurally Modified Darunavir Derivatives with an Aromatic Motif: Stereoselective Synthesis of α -Naphtharunavir." ISU Research Symposium, Normal, Illinois, April 14, **2023**.

^(UG)Carter, Austin; Martinez, M.; ^(G)Ayim, Emmanuel; ^(G)Witte, Jordan M.; Semakieh, B. and Hitchcock, Shawn R.* "The Development of an Asymmetric Glycolate Aldol Addition Synthetic Pathway for the Preparation of Potential Therapeutic Agents That Target Inhibition of the Main Protease (3CLPRO) of the Novel Coronavirus (Covid-19). ISU Research Symposium, Normal, Illinois, April 14, **2023**.

^(UG)Kant, Caitlyn and Hitchcock, Shawn R.*, "A Highly Stereoselective Synthesis of a Key Intermediate of the HIV Protease Inhibitor Darunavir Via an Asymmetric Glycolate Aldol Addition Reaction and Transamidation." ISU Research Symposium, Normal, Illinois, April 14, **2023**.

^(UG)Wright, Daniel; ^(G)Witte, Jordan M.; Ferrence, Gregory M. and Hitchcock, Shawn R.*, "A Stereoselective of Beta-Alkoxy-Oxetanes Using an Asymmetric Glycolate Aldol Addition Methodology." ISU Research Symposium, Normal, Illinois, April 14, **2023**.

^(G)Promise, Ifeanyichukwu, "Amide Assisted 5+2 Cycloaddition" presented at the ISU Research Symposium, Normal, Illinois, April 14, **2023**.

^(UG)Harris, Emily D. and Lash, Timothy D. "Investigations into a New Synthetic Route to Carbaporphyrinoid Systems." Presented at the ISU Research Symposium, April 14, **2023**.

^(G)Ujah, Victoria C. and Lash, Timothy D. "Synthesis of Porphyrinoid Systems Incorporating Heteroaromatic Subunits." Presented at the ISU Research Symposium, April 14, **2023**.

^(UG)Salrin, Jared and Lash, Timothy D. "Synthesis of *N*-Methyl Phenanthroporphyrinoids." Presented at the ISU Research Symposium, April 14, **2023**.

^(UG)Ingram, Kalli E. and Szczepura, Lisa F. “Investigating the Ability of $[\text{Re}_6\text{Se}_8]^{2+}$ -Based Clusters to Facilitate Cycloaddition Reactions”. Presented at the ISU Research Symposium, April 14, 2023.

^(UG)Lauper-Cook, Brianna S. and Szczepura, Lisa F. “Spectroscopic Studies Involving Rhenium Clusters.” Presented at the ISU Research Symposium, April 14, 2023.

^(G) Suthaharan, Sivanujan and Chilukuri Bhaskar “DFT Study of the Structural, Electronic, and Optical Properties of Porphyrin Molecules.” Presented at the American Chemical Society (ACS HL), Spring Meeting April 13, 2023.

^(G)Suthaharan, Sivanujan and Chilukuri, Bhaskar “Computational Molecular-Level Study of Porphyrin Systems,” Program Book, ISU Research Symposium, April 14, 2023.

^(G)Sage, Jarrod and Chilukuri, Bhaskar, “In Silico Investigations of Surface Impact on Halogen-Halogen Intermolecular Forces.” Program book, ISU Research Symposium, April 14, 2023.



^(UG)Leonard, Sydney won the 2023 Counsel for Teacher Education Student Recognition of Excellence Award and \$1,000.