



# ***BLUE NOTES***

April 19, 2024 – Issue 2024-06

## **SPRING 2024 SEMINAR SERIES:**

<b>April 19</b>	Research seminar: Kwame Osei (3 pm) <b>Title:</b> “Site-Specific Conjugation of Antibodies with Peptides Mediated by Microbial Transglutaminase (mTG) for Absorption to AuNPs”
<b>April 26</b>	Research seminar: Joy Odeh (3 pm) <b>Title:</b> TBD
<b>May 3</b>	Research seminar: Anthony Amissah (3 pm) <b>Title:</b> TBD
<b>May 10</b>	<b>Finals week – no seminar</b>

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

## **DATES AND DEADLINES:**

April 19	Transfer Day
April 26	Transfer Day
April 29	Final grade rosters available on My.IllinoisState.edu for all classes. Final grade submission informational email sent to faculty.
April 30	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 3	Transfer Day. Last day for students who have a final exam conflict to complete the conflict verification form.
May 4	Last Day of spring classes. Evaluation (final exams) period begins.



**May 3, 2024 Senior Banquet and Awards Ceremony 5:30 – 8 p.m. Circus Room/Bone Center**

**May 11-12 Graduation Ceremonies**

## STUDENT, FACULTY and STAFF ACTIVITIES:

### **Presentations:**

<sup>(UG)</sup>**Hostert, Jane M.** and **Lash, Timothy D.**, “Synthesis of Porphyrinoids With Fused Isoquinoline Units and Their Cationic Derivatives”. 267<sup>th</sup> ACS National Meeting, New Orleans, Louisiana. March **2024**. CHED.

<sup>(UG)</sup>**Marinucci, Nicole L.** and **Lash, Timothy D.**, “Approaches to the Synthesis of Novel Porphyrins With Two Exocyclic Rings”. 267<sup>th</sup> ACS National Meeting, New Orleans, Louisiana. March **2024**. CHED.

<sup>(G)</sup>**Awa, Francis** and **Lash, Timothy D.**, “Investigations into the Synthesis of Quinone-Fused Carbaporphyrins.” 267<sup>th</sup> ACS National Meeting, New Orleans, Louisiana. March **2024**. ORGN.

<sup>(G)</sup>**Carpenter, Brian G.** and **Lash, Timothy D.**, “Investigations into Conjugation Pathways in Annulated Porphyrins: Synthesis of *N*-Methylpyrenoporphyrin”. 267<sup>th</sup> ACS National Meeting, New Orleans, Louisiana. March **2024**. ORGN.

<sup>(G)</sup>**Promise, Ifeanyichukwu**, and **Mitchell, T. Andrew (mentor)**. “Amide Assisted Dearomative Intramolecular Oxidopyrylium Based (5+2) Cycloaddition Reactions.” Poster presentation at the **2024** Illinois State University Graduate Research Symposium, Normal, Illinois, April 12, **2024**.

<sup>(G)</sup>**Carter, Austin**, and **Hitchcock, Shawn R (mentor)**. “Developing a One Pot Synthetic Pathway from Nitriles to Oxadiazoles: Synthesis of 1,2,4-Oxadiazole Antimicrobial Agents Against Pathogenic Bacteria in the Gastrointestinal Tract.” Poster presentation at the **2024** Illinois State University Graduate Research Symposium, Normal, Illinois, April 12, **2024**.

<sup>(UG)</sup>**Kobulnicky, Trent** and **Barnes, George L (mentor)**. “Simulated Fragmentation of TME-DMe-Lysine<sup>+</sup>: Mass Spectra and Mechanisms”. Poster presentation at the **2024** Illinois State University Graduate Research Symposium, Normal, Illinois, April 12, **2024**.

<sup>(G)</sup> **Corrie, Seth I.** \*Pearce, A.C., \*Randolph, K.A., Grabowski, J.P., and **Mitchell, T. Andrew**, “Boron-Mediated [5+2] Cycloadditions en Route to a Cleavable Tether”, *ACS National Meeting*, New Orleans, LA; **March 17, 2024** (Poster).

<sup>(G)</sup> **Corrie, Seth I.** \*Pearce, A.C., \*Randolph, K.A., Grabowski, J.P., and **Mitchell, T. Andrew**, “Boron-Mediated [5+2] Cycloadditions en Route to a Cleavable Tether”, Poster presentation at the **2024** Illinois State University Graduate Research Symposium, Normal, Illinois, April 12, **2024**.

<sup>(G)</sup> **Alende, P. Joy**, and **Mitchell, T. Andrew**, Poster presentation at the **2024** Illinois State University Graduate Research Symposium, Normal, Illinois, April 12, **2024**.

<sup>(UG)</sup> **Ervin, Quentin**, and **Mitchell, T. Andrew** Poster presentation at the **2024** Illinois State University Graduate Research Symposium, Normal, Illinois, April 12, **2024**.

<sup>(UG)</sup> Eifert, Rex, and Mitchell, T. Andrew Poster presentation at the **2024** Illinois State University Graduate Research Symposium, Normal, Illinois, April 12, **2024**.

<sup>(UG)</sup> Christenson, Gavin, and Mitchell, T. Andrew. Poster presentation at the **2024** Illinois State University Graduate Research Symposium, Normal, Illinois, April 12, **2024**.

<sup>(UG)</sup> Hohman, Grace, and Jones, Marjorie A. (Mentor) "The Interesting Effects of Tryptamine, Harmine, and Harmaline on *Leishmania tarentolae* in a Rocking Environment." Poster presentation at the **2024** Illinois State University Graduate Research Symposium, Normal, Illinois, April 12, **2024**.

<sup>(UG)</sup> Terry, Katelyn\*, Platt, David C., Jones, Marjorie A. (Mentor), Drinkwater, Joseph\*\*, and Sullivan, Eirin\*\*. \*Department of Chemistry, Illinois State University, Normal, IL. \*\*Department of Chemistry, University of North Florida. Poster presentation at the **2024** Illinois State University Graduate Research Symposium, Normal, Illinois, April 12, **2024**.

<sup>(G)</sup> Afram, Kweku Amaning, <sup>(G)</sup> Odeh, Joy, and Hitchcock, Shawn R.\*, "TMC-126: Convergent Asymmetric Synthesis of HIV Drug TMC-126 Using Crimmins' Auxiliary in Non-Evans Syn-Glycolatwe Aldol Addition Pathway." Poster presentation at the **2024** Illinois State University Graduate Research Symposium, Normal, Illinois, April 12, **2024**.

<sup>(UG)</sup> Breausche, Faith E., <sup>(UG)</sup> Walder, Jason, R., and Driskell, Jeremy D., "Protein Thiolation as a Strategy to Enhance Immobilization and Activity Upon Absorption to Gold Nanoparticle". ACS Fall **2023** National Meeting, San Francisco, CA, August 13, **2023**. Poster Presentation.

<sup>(UG)</sup> Somerlot, Anna H., <sup>(UG)</sup> Baker, C., and Driskell, Jeremy D., "Quantifying the Conjunction of Protein to Gold Nanoparticles". ACS Fall **2023** National Meeting, San Francisco, CA, August 13, **2023**. Poster Presentation.

<sup>(G)</sup> Osei, Kwame, and Driskell, Jeremy D., "Site-Specific Microbial Transglutaminase (mTG) Mediated Conjunction of Human IgG with Peptides KKCC and KKKKCCCC". ACS Fall **2023** National Meeting, San Francisco, CA, August 13, **2023**. Poster Presentation.

<sup>(G)</sup> Amissah, Anthony, <sup>(G)</sup> Ebbah, Eunice, <sup>(G)</sup> Grimpong, R., Kim, Jun-Hyun, and Driskell, Jeremy D., "SERS-Based Rapid Vertical Flow Immunoassay for Enhanced Point of Care Diagnostics". ACS Fall **2023** National Meeting, San Francisco, CA, August 13, **2023**. Poster Presentation.

<sup>(UG)</sup> Breausche, Faith E., <sup>(UG)</sup> Walder, Jason, R., and Driskell, Jeremy D., "Protein Thiolation as a Strategy to Enhance Immobilization and Activity Upon Absorption to Gold Nanoparticle". East Central Illinois ACS Undergraduate Research Conference 2023, November 14, **2023**. (Poster presentation).

<sup>(UG)</sup> Breausche, Faith E., <sup>(UG)</sup> Walder, Jason, R., and Driskell, Jeremy D., "Protein Thiolation as a Strategy to Enhance Immobilization and Activity Upon Absorption to Gold Nanoparticle". 2023 Joint Midwest-Great Lakes Regional ACS Meeting, St. Louis, MO, October 19, **2023**. (Poster presentation).

<sup>(UG)</sup> Breausche, Faith E., <sup>(UG)</sup> Somerlot, Anna H., <sup>(UG)</sup> Walder, Jason R., and Driskell, Jeremy D., "Characterization of Protein Thiolation on Absorption and Activity Upon Immobilization to Gold Nanoparticles." ACS Spring 2024 National Meeting, New Orleans, LA, March 2024. (Poster presentation).

<sup>(UG)</sup> Walder, Jason R., <sup>(UG)</sup> Breausche, Faith E., <sup>(UG)</sup> Somerlot, Anna H., and Driskell, Jeremy D., "Enhanced Stability of Thiolated Enzyme Immobilized on Gold Nanoparticles." ACS Spring 2024 National Meeting, New Orleans, LA, March 2024. (Poster presentation).

<sup>(UG)</sup> Breausche, Faith E., <sup>(UG)</sup> Somerlot, Anna H., <sup>(UG)</sup> Walder, Jason R., and Driskell, Jeremy D., "Characterization of Protein Thiolation on Absorption and Activity Upon Immobilization to Gold Nanoparticles." ISU Research Symposium, Normal, Illinois, April 12, 2024. (Poster presentation).

<sup>(UG)</sup> Walder, Jason R., <sup>(UG)</sup> Breausche, Faith E., <sup>(UG)</sup> Somerlot, Anna H., and Driskell, Jeremy D., "Enhanced Stability of Thiolated Enzyme Immobilized on Gold Nanoparticles." ISU Research Symposium, Normal, Illinois, April 12, 2024. (Poster presentation).

<sup>(UG)</sup> Somerlot, Anna H., <sup>(UG)</sup> Baker, C., and Driskell, Jeremy D., "Quantifying the Conjunction of Protein to Gold Nanoparticles". ISU Research Symposium, Normal, Illinois, April 12, 2024. (Poster presentation).

<sup>(G)</sup> Osei, Kwame, and Driskell, Jeremy D., "Site-Specific Microbial Transglutaminase (mTG) Mediated Conjunction of Human IgG with Peptides KKCC and KKKKCCCC". ISU Research Symposium, Normal, Illinois, April 12, 2024. (Poster presentation).

<sup>(G)</sup> Kerkemeyer, Elise; Rafie, Mohammed; Feken, Katie and Nagorski, Richard W. "Acyl Derivatives of  $\alpha$ -Hydroxyhippuric Acid: Comparison of the Aqueous Kinetics of a Charged Substrate vs. Neutral". ACS Spring National Conference, New Orleans, LA. March 17-21, 2024.

<sup>(G)</sup> Arndt, Thomas C.; Park, YeJun; Stewart, Sarah C.; Garrett, Evan A.; and Nagorski, Richard W. "Bronsted Correlation of the O-Alkyl Group on the Hydroxide-Dependent Breakdown of O-Alkylated Carbinolamides." ACS Spring National Conference, New Orleans, LA. March 17-21, 2024.

<sup>(G)</sup> Arndt, Thomas C.; Park, YeJun; Stewart, Sarah C.; Garrett, Evan A.; and Nagorski, Richard W. "Bronsted Correlation of the O-Alkyl Group on the Hydroxide-Dependent Breakdown of O-Alkylated Carbinolamides." University Research Symposium, Illinois State University, April 12, 2024.

<sup>(UG)</sup> Homan, Lilly; Orunesajo, Emmanuel; and Nagorski, Richard W. "Synthesis and Aqueous Kinetics of Urea Derivatives of Carbinolamides: N-(Hydroxybenzyl)-N'-phenylurea Derivatives." University Research Symposium, Illinois State University, April 12, 2024.



# Announcements

**Christopher C. Mulligan**, was interviewed by the local NBC station regarding forever chemicals the other day. <https://www.25newsnow.com/2024/04/17/local-chemistry-professor-weighs-dangers-forever-chemicals-water/>

CONGRATULATIONS!