



SPRING 2022 SEMINAR SERIES

| Date | Presenter and Title |
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| Feb. 18 | Ebenezer Bondzie (3 pm) <i>“Microfluidic Ruler-Readout and CRISPR Cas12a-Responded Hydrogel-Integrated Paper-Based Analytical Devices (uReaCH-PAD) for visible Quantitative Point-of-Care Testing of Invasive Fungi”</i> Josie Ehlbeck (Res. Seminar) (4 pm) <i>“Finding the Missing Pieces: Exploration of Structure-Activity Relationships of Ruthenium-based Alzheimer’s Disease Therapeutics”</i> |
| Feb. 25 | Emma Ayim (3 pm) <i>“Optimization of the Urea Linker of Triazolopyridazine MMV665917 Results in a New Anticryptosporidial Lead with Improved Potency and Predicted hERG Safety Margin”</i> |
| Mar. 4 | Evan Strandquist (2 pm) <i>“The structural determination of the human multi-tRNA synthetase complex and its implications in non-canonical activities”</i> Kwabena Darko (3 pm) <i>“Total Synthesis of Heilonine”</i> |
| Mar. 11 | No Seminar – Spring Break |
| Mar. 18 | Professor Pietro Strobbia, University of Cincinnati (3 pm) <i>“Surface-Enhanced Raman Scattering for Advanced Optical Sensing Applications”</i> |
| Mar. 25 | Professor Chris Turlington, Hope College (3 pm) <i>“Oxidation of Ruthenium-Nitrile Compounds and Imido Group Transfer to Substrates”</i> |
| 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> |
| April 15 | Eunice Ebbah (3 pm) <i>“Development of a colorimetric paper fluidic dipstick assay for measurement of glycated albumin to monitor gestational diabetes at the point-of-care”</i> Elise Kerkemeyer (4 pm) |
| April 22 | Professor Betsy Parkinson, Purdue University (3 pm) Title: TBD |
| April 29 | Temitayo (Solomon) Falola (3 pm) <i>“A strong, biodegradable and recyclable lignocellulosic bioplastic”</i> Jonathan Brewster (Res. Seminar) (4 pm) <i>“Using protein-protein interactions to better understand LeuRS-I function in Sulfolobus islandicus”</i> |
| May 6 | No Seminar |

DATES AND DEADLINES

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| February 23 | Last day to withdraw from a first-half semester course. A withdrawal grade of WX will be assigned. |
| Week of February 28 | Undergraduate and graduate diplomas mailed to December 2021 graduates. |
| March 1 | Registration date/time assignments for Fall 2022 available on My.illinoisstate.edu. Fall course offerings available on My.illinoisstate.edu |

STUDENT, FACULTY and STAFF ACTIVITIES

Publications

Aureliano, M.; Gumerova, N. I.; Sciortino, G.; Garribba, E.; **McLauchlan, Craig C.**; Rompel, A.; Crans, D.C. "Polyoxido vanadates interactions with proteins: an overview," *Coordination Chemistry Reviews* **2022**, 454, 214344 (21 pgs). DOI: 10.1016/j.ccr.2021.214344.

^(G)Yawson, Gideon K.; ^(UG)Will, Mark F.; ^(G)Huffman, Samantha E.; ^(G)Strandquist, Evan T.; Bothwell, Paige J.; ^(UG)Oliver, Ethan B.; ^(G)Platt, David C.; ^(G)Apuzzo, C. Fiore; **Weitzel, Christopher S.; Jones, Marjorie A.; Ferrence, Gregory M.; Hamaker, Christopher G.; Webb, Michael I.** † "A Dual-Pronged Approach: A Ruthenium (III) Complex That Modulates Amyloid- β Aggregation and Disrupts Its Formed Aggregates" *Inorganic Chemistry*, **2022**, 61, 2733-2744.

