

## *MIKIW 2022 Program Agenda*

### *Friday, April 29<sup>th</sup>*

3:00 – 6:00 pm	Hotel check-in	UI Students will meet at corresponding Hotels
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7:00 – 10:00 pm	Welcome Reception	Celebration Farm
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### *Saturday, April 30<sup>th</sup>*

8:00 – 8:50 am	Breakfast, poster set up, AV check	CPB 1 <sup>st</sup> and 2 <sup>nd</sup> Floors
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8:50 – 9:00 am	Opening remarks: <b>Gary Milavetz</b> , BS, PharmD, RPh, FCCP, FAPhA <i>Executive Associate Dean</i>	CPB 210 Overflow Room: CPB 110 A/B
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#### SESSION 1

9:00 – 9:25 am	<b>Md. Abdullah Al Noman</b> , Gunda I. Georg Lab, University of Minnesota <i>Toward the Discovery of a Male Birth Control Pill: RARα Antagonists</i>
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9:25 – 9:50 am	<b>Madeline Hennessy</b> , Andrew Riley Lab, University of Illinois-Chicago <i>Synthesis and Evaluation of Akuamma Alkaloid Analogues for Alternative Pain Therapies</i>
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9:50 – 10:50 am	Workshops and Vendor Session *Please see pg. 11 for details*
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10:50 – 11:00 am	Break
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11:00 – 12:00 pm	Joseph G. Cannon Keynote Address <b>Dr. Kate S. Carroll</b> , Professor, UF Scripps Biomedical Research <i>“Cysteine-Mediated Redox Signaling: Chemical Tools for Biological Discovery”</i>
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12:00 – 1:30 pm	Lunch	CPB Courtyard and 1 <sup>st</sup> Floor
	*Please see ‘Notes’ section for lunch menu*	

#### POSTER SESSION

1:30 – 2:15 pm	Odd numbered posters present	CPB 1 <sup>st</sup> and 2 <sup>nd</sup> Floors
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2:15 – 3:00 pm	Even numbered posters present	CPB 1 <sup>st</sup> and 2 <sup>nd</sup> Floors
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3:00 – 3:10 pm	Break (Preparation for Session 2)
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#### SESSION 2

3:10 – 3:35 pm	<b>Hannah K. Gruenwald</b> , Robert Kerns Lab, University of Iowa <i>Stability of Triphenylphosphonium Moieties in Biologically Relevant Conditions</i>
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3:35 – 4:00 pm	<b>Manvendra P. Singh</b> , Zarko Boskovic Lab, University of Kansas <i>Complexity Index-guided Exploration of New Chemical Space</i>
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4:00 – 4:25 pm	<b>Marianne B. Palczewski</b> , Douglas Thomas Lab, University of Illinois-Chicago <i>Nitric Oxide Reprograms DNA Methylation and Tumor-Associated Gene Expression by Inhibiting DNA Demethylases TET and ALKBH2 in Triple-Negative Breast Cancer</i>
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4:25 – 4:50 pm	<b>Grant T. Cooling</b> , M. Ashley Spies Lab, University of Iowa <i>Glutamate Racemase: A Shape-Based Inhibition Story</i>
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6:00 – 6:30 pm	Faculty mixer	The Heights Rooftop
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6:30 – 7:00 pm	Open cocktail hour
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7:00 – 10:00 pm	Formal Dinner	The Heights Rooftop
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## Sunday, May 1<sup>st</sup>

Check out prior to breakfast

8:00 – 8:45 am      Breakfast      CPB Lobby

### SESSION 3

CPB 210

Overflow Room: CPB 110 A/B

8:45 – 9:10 am      **Xiaolei Li**, Weiping Tang Lab, University of Wisconsin-Madison  
*A General Strategy for the Synthesis of Rare Sugars via Ru(II)-catalyzed and Boron-mediated Selective Epimerization of 1,2-trans-diols to 1,2-cis-diols*

9:10 – 9:35 am      **Patrick Ross**, Mark Farrell Lab, University of Kansas  
*Covalent strategies for the study of protein-carbohydrate interactions*

9:35 – 10:00 am      **Rachel A. Crawford**, Jonathan Doorn Lab, University of Iowa  
*Characterization of a 3,4-Dihydroxyphenylacetaldehyde and L-cysteine Adduct Formed In Vitro After Neurotoxicant Exposure Reveals Its Potential as a Biomarker of Catecholaminergic Stress*

10:00 – 10:25 am      **Conrad A. Fihn**, Erin Carlson Lab, University of Minnesota  
*Development of Histidine Kinase Inhibitors as Anti-Virulence Agents in Pseudomonas aeruginosa*

10:25 – 10:40 am      Break

### SESSION 4

CPB 210

10:40 – 11:05 am      **Alexander K. Hurben**, Natalia Tretyakova Lab, University of Minnesota  
*Modulating DNA Methylation with Bifunctional Ten-Eleven Translocation Dioxygenases Inhibitors*

11:05 – 11:30 am      **Tova M. Bergsten**, Joanna Burdette Lab, University of Illinois-Chicago  
*Investigating the Role of Soluble Metabolites in Primary Metastasis of High Grade Serous Ovarian Cancer*

11:30 – 11:55 am      **Jacob R. Immel**, Steven Bloom Lab, University of Kansas  
*Photoredox Catalysis for Peptide SAR and Applications to HIV-1 Drug Development*

11:55 – 12:00 pm      Concluding remarks, boxed lunches served (Faculty)      CPB Lobby

12:10 – 12:40 pm      Faculty meeting, boxed lunches served (Grad Students and Post Docs)

~12:40 pm      Buses depart