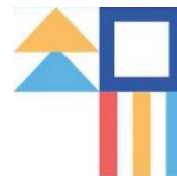


# The 14th Annual Watanabe Symposium in Chemical Biology

Indiana University, Bloomington

Saturday, April 12, 2025



All events will be held in Chemistry C122 unless otherwise indicated.

## Coffee and Breakfast Refreshments

Chemistry C127

8:15 – 8:50 pm

## Welcome and Opening Remarks

Richard DiMarchi, Indiana University, Department of Chemistry

8:50 – 9:00 am

**Tania Lupoli, New York University, Department of Chemistry**

9:00 – 9:45 am: *"Defined Glycan Ligands to Detect Rare Sugar-binding Proteins"*

**Introduction:** Emma McRae (Giedroc Group)

**Marc Morais, Indiana University, Department of Molecular and Cellular Biochemistry**

9:45 – 10:30 am: *"Looking Under the Hood: The Machano-chemistry of a Viral dsDNA Packaging Motor"*

**Introduction:** Lauren Augusta (Fuqua Group)

**Bradley Moore, University of California, San Diego,**

**Scripps Institution of Oceanography and the Skaggs School of Pharmacy and Pharmaceutical Sciences**

10:30 -11:15 am: *"Mining the Specialized Chemistry of the Ocean's Living Wonders to Improve Human Health"*

**Introduction:** Jane Joncha (Jacobson Group)

## Poster Session

Indiana Memorial Union, The Frangipani Room

11:30 am

## Lunch

Indiana Memorial Union, The Frangipani Room

1:00 – 1:45 pm

**Jonathan Douros and Patrick Knerr, Indiana Biosciences Research Institute, Indianapolis, IN**

2:00 –2:45 pm: *"Leveraging the Nuances of Biased Agonism to Optimize GLP-1 Analogues"*

**Introduction:** Averil McFarland (Winkler Group) & Andrew Bach (Snaddon Group)

**Ricardo Vázquez, Indiana University, Department of Chemistry**

2:45 – 3:30 pm: *"Conjugated Oligoelectrolytes for Biophysical Sensing Using Time-Resolved Spectroscopy and Microscopy"*

**Introduction:** Oscar Medrano (Vázquez Group)

## Coffee Break

Chemistry C127

3:30 – 4:00 pm

**Lara Mahal, University of Alberta, Department of Chemistry**

4:00 – 4:45 pm: *"Breaking Paradigms: How Studying Glycan Regulation Upended our Understanding of MicroRNA"*

**Introduction:** Patrick Laughlin (Zlotnick Group)

## Closing Remarks

**Jared Lewis, Indiana University, Department of Chemistry**

4:45pm

Hosted by the

Chemistry-Biology Interface Program



Quantitative and Chemical Biology



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Register by April 9th to  
attend the free lunch.