

Breaking and Making Bonds with Light

Organizers:

Jason Benedict (University at Buffalo, SUNY)

Francisco Raymo (University of Miami)

Telluride Science Research Center, Telluride, Colorado

June 10 - 14, 2024

We gratefully acknowledge the financial support of our sponsor:



Schedule: Breaking and Making Bonds with Light

Organizers: Jason Benedict and Francisco Raymo; **TSRC Host:** Mark Kozak

Location: Telluride Intermediate School at 721 W. Colorado Ave., Telluride CO 81435

Each presentation is 40 minutes with 20 minutes for discussion

Monday, 10 June	Speaker/Event	Title
1:30-2:00 pm	Jason and Francisco	Opening remarks
2:00-4:15 pm	Moderator:	Jason Benedict
2:00-3:00 pm	Kristin Hutchins	Responsive organic solids based on light and temperature stimuli
3:00-3:15 pm	Coffee Break	
3:15-4:15 pm	Grace Han	TBD
4:15 on	Dinner (on your own)	

Tuesday, 11 June	Speaker/Event	Title
8:30-9:00 am	Breakfast (Provided)	
9:00-12:20 pm	Moderator:	Kristin Hutchins
9:00-10:00 am	Francisco Raymo	TBD
10:00-10:20 am	Coffee break	
10:20-11:20 am	Elizabeth Harbron	TBD
11:20-12:20 pm	Lisa Berreau	Advances in Light-driven Flavonol-based CO Delivery Molecules
12:20-12:30 pm	Group Photo	
12:20-1:30 pm	Lunch (Provided)	
2:00--4:10 pm	Moderator:	Jeff Rack
2:00-3:00 pm	Dan Patel	TBD
3:00-3:10 pm	Coffee Break	
3:10-4:10 pm	Pance Naumov	TBD
5:30 – 7:30	Dinner on own	

Wednesday, 12 June	Speaker/Event	Title
8:30-9:00 am	Breakfast (provided)	
9:00-12:20 pm	Moderator:	Dan Patel
9:00-10:00 am	Steven Lopez	Machine learning accelerated photodynamics simulations
10:00-10:20 am	Coffee break	
10:20-11:20 am	Benjamin King	TBD
11:20-12:20 pm	Tomislav Friscic	TBD
12:20-1:30 pm	Lunch (provided)	
2:00--5:10 pm	Moderator:	Ben King
2:00-3:00 pm	Anna Gudmundsdottir	Comparison of Bending Crystals using External versus Internal Pressure
3:00-3:10 pm	Coffee Break	
3:10-4:10 pm	Liz Young	Azo dye photochemistry and excitation wavelength dependent photodegradation dynamics
4:10-5:10 pm	Jeff Rack	TBD
5:30 – 7:30	Picnic at the Depot	300 S. Townsend St.

Thursday, 13 June	Speaker/Event	Title
8:30-9:00 am	Breakfast (provided)	
9:00-12:20 pm	Moderator:	Elizabeth Harbron
9:00-10:00 am	Cornelia Bohne	Understanding and Designing the Complexity of Cucurbit[n]uril-guest Supramolecular Systems
10:00-10:20 am	Coffee break	
10:20-11:20 am	Tristan Borchers	TBD
11:20-12:20 pm	Han Xiao	Single-Atom Replacement as a General Approach Towards Dyes for Biological Applications
12:20-1:30	Lunch (provided)	
2:00--4:10	Moderator:	Tomislav Friscic
2:00-3:00 pm	Jayaraman Sivaguru	Uncovering New Excited State Reactivity – Challenges and Opportunities
3:00-3:10 pm	Coffee Break	
3:10-4:10 pm	Jason Benedict	Beautify Your Benchtop This Summer: Crystal Landscaping of Photoresponsive Materials
7:30 on	Dinner in Town	

Friday, 14 June	Speaker/Event	Title
8:30-9:00 am	<i>Breakfast</i>	
9:00-11:00 am	<i>Business Meeting</i>	<i>Discussion topics TBD</i>

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