

Virtual

Chemistry

# Senior Research Symposium

Friday, May 14<sup>th</sup>, 2021, 1:00 pm

All UR Chemistry Dept. faculty, staff, students, and friends/family of the presenters are welcome to join us as we review and appreciate our chemistry senior's hard work and research.

Each student will have 6-7 minutes for their presentation, followed by 3-4 minutes of questions.

Feel free to attend all or some of the presentations. We look forward to seeing you there!

Zoom Link was sent to participants and Chemistry Dept. News.

Please email [ugradadm@chem.rochester.edu](mailto:ugradadm@chem.rochester.edu) with any questions.

Start Time	Student	Research Advisor	Thesis Title
1:05	Matt DeLorenzo	Huo	"Non-Adiabatic Charge Transfer Dynamics in a Photo induced Nanocrystal System"
1:16	Timur Cinay	McCamant	"Determining Incident Photon Flux in 16-well Photolysis Apparatus with Chemical Actinometry"
1:27	Jacob Schmidt	Kessler (EES)	"The Development of a Cost-effective Gas Sensing Package for In Vitro and In Situ Marine Applications"
1:38	Noelle Peluso	Bren	"The pH and Buffer Dependence of Photocatalytic Hydrogen Production Using CoMC6*a"
1:49	Ahshabibi Ahmed	Matson	"An Electrochemical Analysis of Polyoxivanadate Salts"
2:00	Sarah Craig	Kennedy	"Using Chemically Noninnocent Ligands for Functional Group Autotransfer Catalysis with First-Row Transition Metals", & "The Effects of Magnetic Field Modulation on ATRP"
2:11	Dalton Hanaway	Kennedy	"Synthesis Toward Ionic Iron Complexes with Designed Internal Electric Fields"
2:22	Yeonseong (Catherine) Seo	Paradine	"Manganese Promoted Oxidative Radical Addition Reactions"
2:33	Justine Drapeau	Frontier	"Nucleophilic Alkynes in Cationic Cascade Cyclizations"
2:44	Jade Johnson	Nilsson	"Material Properties of Low Molecular Weight Supramolecular Hydrogels"
2:55	Alfons Pineda-Knauseder	Fasan	"Engineered Sperm Whale Myoglobin Variants as Organic Solvent Resistant Biocatalysts and Aryl Allene Cyclopropanases"