

Grand Valley State University

Cell and Molecular Biology

Professional Science Master's Colloquium



Date: December 8, 2023

Venue: 4402 KHS

Time	Presenter	Title	Mentor
1:40 – 2:00 pm	Logun Miller	Site-directed/site-saturation mutagenesis (SDM/SSM): enzyme optimization and substrate bioconversion	Dr. Amol Shivange (Pfizer Global Supplies)
2:00 – 2:20 pm	Prajina Maharjan	Laboratory techniques in microbiology	Dr. Melissa Crowell (St Francis Health System)
2:20 – 2:40 pm	Jyoti KC	Utilizing <i>C. elegans</i> to investigate effects of polyfluoro-alkyl substances (PFAS) associated neurotoxicity & Bottom up proteomics	Drs. Shreesh Sammi and Michael Caldwell (MSU & Northwestern)
2:40 – 3:00 pm	Zane Walters	Monitoring SARS-CoV-2 evolution through targeted next- gen sequencing of wastewater extracts in Kent County	Dr. Sheila Blackman and Pei-Lan Tsou (GVSU)
3:00 – 3:20 pm	Elena Tislerics	Water matters: wastewater treatment and personnel exposure to aerosolized pathogens	Dr. Sandra Buchner (GR Water Resource Recovery Facility)
3:30 – 3:50 pm	Varsha Jawahar	Evaluate the developing natural antioxidant product and comparing its performance with and without delivery system	Dr. Raffaella Inchingolo (Kalsec Inc.)
3:50 – 4:10 pm	Sahithi Konijeti	Molecular mechanisms of LIG-1 gene response to oxidative stress	Dr. Ihn Sik Seong (Massachusetts General Hospital)
4:10 – 4:30 pm	Jeannie Kane	Observations of a forensic laboratory intern: understanding the roles and responsibilities of a forensic scientist	Dr. Rebecca Crum (GR Forensic Laboratory)
4:30 – 4:50 pm	Jordan Yokubonus	Zoetis Summer Internship Project	Dr. Mark Wolfe (Zoetis Animal Health)