Poster Session 1- Even Numbers

ARMS Atrium - June 4th - 1PM- 2PM

#	Name	Department	PI	Title
2	**Joydeep Rakshit**	Chemistry	David Thompson	Development of Layer by Layer Elastin Like Polypeptide Nucleic Acid Nanoparticles (LENN) for Targeted Nucleic Acid Therapies.
4	**Bridget Kaiser**	Biochem	Andrew Mesecar	Biophysical, Structural, and Kinetic Characterization of Alzheimer's Disease Risk Variant M28L in Phospholipase C Gama 2 (PLCG2)
6	**Brielle Skrutskie**	Biochem	Mark Hall	Application of Turboid in a Human Fungal Pathogen to Study Virulence Proteins.
8	**Farhanaz Farheen**	Computer Science	Daisuke Kihara	Hetero-AF: Conformational Heterogeneity analysis of Proteins with Cryo-EM and Alphafold
10	**Johanna Bovill**	Chemistry	Angeline Lyon	investigating the Role of the Phospholipase C Beta 3 C-Terminal Domain in Gαq-Dependent activation
12	**Basanta Subedi**	Physics and astronomy	Yulia Pushkar	Development of a Microsecond Time-Resolved Cryogenic Jet Vitrification Setup for Photosystem II
14	**Yuki Kagaya**	Biological Sciences	Daisuke Kihara	Nufold and Nufold DB: Deep Learning Approach for RNA Structure Prediction and Database of Predicted Structures
16	**Nourin Ferdausi**	Biological Sciences	Nicholas Noinaj	Structure-Guided Development of Species-Specific Stapled Peptides Against the BAM Complex in *Acinetobacter baumannii*
18	**Stephanie Barrios**	Chemistry	Angeline Lyon	Investigating the Guanine Nucleotide Exchange Factor Activity of Phospholipase Ce
20	**Daniel Pazmino**	MCMP	Yang Yang	A Workflow for the Generation and Validation of Prime Editing Outcomes in Human iPSC Models Using Bioinformatic Analysis
22	**Abhineel Muhuri**	Biological Sciences	Lauren Ann Metskas	Caught in the Act: Developing a Platform to Visualize Flavivirus Endosomal Fusion
24	**Luis Montalvo-González**	Agricultural and Biological Engineering	Leopold N. Green, II	Structure-Guided AI aptamer Design Targeting Lipl32 for Field-Deployable Leptospirosis Diagnostics
26	**Carol Hernandez Gonzalez**	Biological Sciences	Lauren Ann Metskas	Not Quite Mature: Fusion Properties of Partially Mature Kunjin Virus Particles
28	**Meredith Hansen**	Biological Sciences	Andrew Mesecar	The formidable Dimer interface of an Emerging Coronavirus and its Challenge for Drug Design
30	**Shahed Uddin Ahmed Shazib**	Biological Sciences	Catherine L Searle	Mitochondrial Resource allocation across Diverse Nutrient Conditions
32	**Sherik-fa Anang**	Biological Sciences	Richard Kuhn	Generating pH-Sensitive CHIKV to Study the Role of pH in Alphavirus Nucleocapsid Disassembly
34	**Yi Lien**	Biological Sciences	Nicholas Noinaj	Characterizing the Structural Mechanism of Human Granzyme a in LPS-Mediated TLR4 Signaling
36	**Josephine Banks**	MCMP	Val Watts	Elucidating Distinct Mechanisms of Adenylyl Cyclase Allosteric Site inhibition by Chimeric and Mutagenic approaches
38	**Grace Pearson**	Chemistry	Angeline Lyon	Characterizing the Regulation and Activation of Phospholipase Ce by Gbg
40	**Olivia Holmes**	Physics and astronomy	Jing Liu	Bacteria Stress Response Captured Through Auto Fluorescent Lifetimes of FaD and NaD(P)H