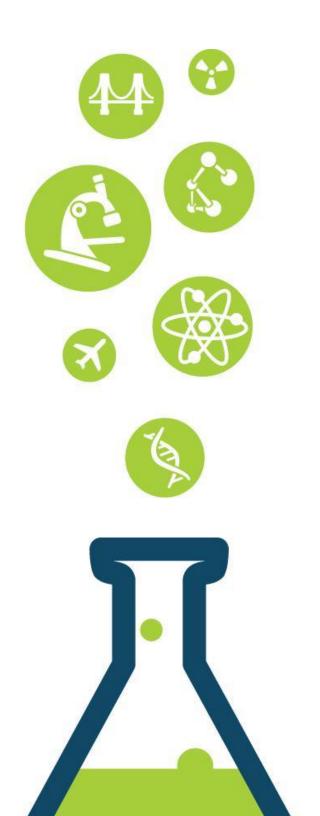
MSEF 2023 Senior Division Category Awards



Plac		Studen		G		
е	Category	t	Student	r	School	Title
	Animal	Charlot				Comparing Specific Gravity to Urinary Creatinine When Indexing
1	Sciences	te	Carmen	12	Zoo Academy	Hormones in Giraffa reticulata and Rhinoceros unicornis
	Animal				Millard North	Impact of Short Exposure to High Temperature on the Immune
2	Sciences	Arehant		11	High	Response in the Burying Beetle Nicrophorus tomentosus
	Animal				Omaha Central	Effects of Rising CO2 Levels on Shell Development of Lymnaea
3	Sciences	Aleena		10	High	Stagnalis
	Behavioral					Teaching Immediate and Delayed Peer Imitation to Toddlers with
	& Social				UNMC High	Autism Spectrum Disorder Using a Video/ Modeling Treatment
1	Sciences	Jaylin		12	School Alliance	Package
	Behavioral					
	& Social					
2	Sciences	Cody	Joseph	11	Zoo Academy	The Effect UV Light Has on Migrating Birds
	Behavioral					
	& Social					
3	Sciences	Olive		11	Zoo Academy	Effect of Food Eaten on Mood
	Biomedical					
	& Health				Millard North	PYCR2: A Novel Regulator of Metabolic Reprogramming in Cancer
1	Science	Anuj		10	High	Cells
	Biomedical					
	& Health				Millard North	Anti-cancer Effects of Curcumin in MYC-driven Medulloblastoma
2	Science	Partha		9	High	Cells
	Biomedical					
	& Health				Millard North	The Effect of Alcohol on Potentiating HIV-mediated
3	Science	Reema		11	High	Neuroinflammation
	Cellular &					
	Molecular				Omaha Central	Analysis of Bacterial Growth and Gene Expression in the Presence of
1	Biology	MacKenzi	ie	12	High	glmS Riboswitch Ligand Analogs
	Cellular &					
	Molecular				Omaha Central	Does NF-kB Play a Role in the Regulation of TRPV1 Enhancement After
2	Biology	Isabella		12	High	LPS-TLR4 Signaling?
	Cellular &					
	Molecular			_	Omaha Central	
3	Biology	Rayya		12	High	Lactase and Milk Spoilage

	Materials				Omaha North	Exploring Metal-Complexes as Colorants for Additively
1	Science	Azriel		12	High	Manufactured Silica Glass
	Materials				Omaha Central	The Effect of Eisenia fetida on the Decomposistion Rate of Household
2	Science	Olivia		12	High	Waste
	Microbiolog		Madelin		Omaha North &	
1	у	Sophia	е	12	Omaha Central	Kinetics of Novel Mycobacterium Tuberculosis Inhibitors
	Microbiolog				Omaha North	The Characterization of Collaborative Function inc Proteins Ct224
2	У	Legacy		11	High	and Ct225
	Microbiolog				Omaha Central	The Effectiveness of Antibiotics on the Growth of Bacteria in
3	у	Mara		12	High	Contaminated Makeup
	Physics &				Omaha Central	The Effects of Temperature on the Kinetics of the
1	Engineering	Charles		12	High	Belousov-Zhabotinsky Reaction
	Physics &				UNMC High	
2	Engineering	Edgar		11	School Alliance	Hardware Interfacing using LabVIEW
	Plant					
1	Sciences	Bailey	Lauren	11	Zoo Academy	Effects of Natural Fertilizers in Bioplastics on Soil Quality
	Plant				Omaha Central	
2	2 Sciences Elli		Elliot		High	Grass Growth with Varying Salt Water Concentrations
	Plant					Chlorella vularis as a Potential Biofuel Compared to
3	Sciences	Savannah		12	Zoo Academy	Nannochloropsis and Porphyridium cruentum
	Translation					Metabolic Imaging by NAD(P)H Phasor FLIM to Analyze Impact of
	al Medical				Omaha North	HER2 Expression and Hypoxic Culture Conditions Across Multiple
1	Sciences	Nayera		12	High	Cancer Cell Lines
	Translation					
	al Medical				Omaha Central	Effects of Immunity Boosting Herbal Supplements on Heart Rate of
2	Sciences	Maleyna		12	High	Danio rerio
	Translation					
	al Medical				UNMC High	
3	Sciences	Amritash	a	12	School Alliance	Synthesis of Long Acting Antiretroviral Therapy Formulations