

Rm	Presenters	State	Division	Project Title
1	<b>Alicia Grana</b> – <i>The College of New Jersey</i>	NJ	A&H	Felony Disenfranchisement and Its Effect on Recidivism
1	<b>Matthew Greer-Gentis &amp; Linda Manziaris</b> - <i>Georgetown University</i>	DC	A&H	The Systemic Criminogenic Risk Factors and their Effects on Deported Veterans
2	<b>Faith Prochaska</b> - <i>Indiana University Purdue University Indianapolis</i>	IN	BIO	Effects of Treatment with the DYRK1A Inhibitor CX-4945 on Down Syndrome Phenotypes in Ts65Dn Mice
2	<b>Nazka Nurbyek, Michaela Vance</b> - <i>University of Central Oklahoma</i>	OK	BIO	Effect of phenylalanine, retinoic acid, retinal, and citral on proliferation of O9-1 mouse cranial neural crest cells
3	<b>Abby Hill</b> – <i>University of Kentucky</i>	KY	BIO	Reversing Radiation Resistance in Pediatric Brain Tumors
3	<b>Victoria Krajcz</b> – <i>University of Detroit, Mercy</i>	MI	BIO	Understanding the Effects of Atrazine on Human Keratinocytes
4	<b>Kathryn Bates, Dorian Tignor</b> – <i>Longwood University</i>	VA	BIO	Effect of Maternal Behavior and Environmental Enrichment on Anxiety, Memory, and Resiliency in Rats
4	<b>Vernon Kennedy, Jr.</b> – <i>College of Charleston</i>	SC	BIO	Estrogen signaling is required for treadmill exercise mediated effects on synaptic plasticity around axotomized spinal motoneurons
5	<b>Abreanne Andlinger</b> – <i>West Virginia University</i>	WV	BIO	Examining essential transcription factor networks for neurodevelopment in zebrafish
5	<b>Emily Aller</b> – <i>Austin College</i>	TX	BIO	Investigating the Role of PA28 <sup>β</sup> in Regulating the Proteasome-Mediated Degradation of the Oncoprotein c-Myc
6	<b>John Veracka</b> - <i>Embry-Riddle Aeronautical University</i>	FL	CHEM	High Tensile Strength, Room Temperature Self-Healing Polymer via Intermolecular Crosslinking Network for Applications in Aerospace and Soft Electronics
6	<b>Robert Spiers</b> – <i>Idaho State University</i>	ID	CHEM	Advancing Chemical Analysis for the Consumer and Industry
7	<b>Aayushi Dhebar</b> – <i>Bellevue College</i>	WA	CHEM	Carbon Dioxide and Temperature Levels of Areas with Varying Tree Density
7	<b>Jenny Mendis, Ekrem Kaya</b> – <i>Gallaudet University</i>	DC	CHEM	Identification of Hotspots for SARS-CoV-2 Spike protein and Human ACE2 Binding
8	<b>Akie Kadota</b> – <i>Northwestern University</i>	IL	EDU	The Effect of Remote Learning on Secondary Ensemble-Based Music Education
8	<b>Morgan Daubert</b> – <i>University of Nebraska at Kearney</i>	NE	EDU	Rethinking teacher education preparation in a pandemic crisis: The evaluation of pre-service teacher competence, and confidence of social, emotional learning
9	<b>Lyndsey Koyanagi, Andrew Shepard</b> – <i>Wesley College</i>	DE	EDU	COVID-19 Impacts at a Small Mid-Atlantic Liberal-Arts College with Implications for STEM Education
9	<b>Ryleigh Fleming</b> – <i>University of Alabama at Birmingham</i>	AL	EDU	Breaking the barriers of a traditional in-person service learning in a pandemic with E service-learning: Impacts of a COVID-19 Module in a non-STEM majors biology course
10	<b>Mohammed Mohammed</b> – <i>North Dakota State University</i>	ND	ENG	Evaluation of the Strength of Overconsolidated Soils
10	<b>Sadie Jonson</b> – <i>Colorado School of Mines</i>	CO	ENG	Decreasing Solid Retention Time of Aerobic Granular Sludge for Improved Wastewater Treatment
11	<b>Amanda Weaver</b> – <i>Georgia Southern University</i>	GA	ENG	Hydrogen for aerospace travel, the new climate change mitigation technology

11	<b>Renee Saraka</b> – Drexel University	PA	ENG	Correlating Processing Conditions to Short- and Long-Range Order in Coating and Drying Li-Ion Batteries
12	<b>Kyle Singleton</b> - Mississippi State University	MS	ENG	Optimization and Application of Physics Informed Neural Network
12	<b>Max Hawkins</b> – University of Alabama	AL	ENG	High-Performance Radio Telescope Array Data Processing Framework
13	<b>D. Melanie Kistnasamy</b> – Gustavus Adolphus College	MN	GEO	Seven Mile Creek Watershed: Monitoring Water Quality and Ravine Erosion for a Sustainable Agriculture
13	<b>Ethan Naquin</b> – Nicholls State University	LA	BIO	Presence of multi-drug resistant pathogens and antibiotic resistance genes in waterways and seafood populations of rural Southeast Louisiana, USA
14	<b>Elizabeth Morales, Bandhna Bedi, Miia Sula</b> – Edmonds College	WA	GEO	Analyzing Differences In Air Pollutant Concentrations Before and During The COVID-19 Pandemic
14	<b>Isabella Briseno</b> – The Pennsylvania State University	PA	GEO	Communicating the Importance of a Comprehensive Approach to Ocean Solutions through ArcGIS StoryMaps
15	<b>Alayna Wallace</b> – Bethel College	KS	HS	An Analysis of the Dental Provider - Patient Interactions on the Patient's Dental Anxiety
15	<b>Nisha Sridhar</b> – University of Oregon	OR	HS	Pediatric Residency Training on Adverse Childhood Experiences: Current Practices, Barriers, and Future Steps
16	<b>Isa Ramos-Castillo</b> – University of North Carolina at Greensboro	NC	HS	Food Insecurity and the relationship between poor feeding practices and health disparities among infants
16	<b>Sydney Skeie, Alysa Durbin</b> – Capital University	OH	HS	Reliability of labeled 'gluten-free' food products in the US: a risk for contamination
17	<b>Gianna O'Connor</b> – Marymount Manhattan College	NY	HS	Quantitative Correlations of Severe Covid-19 Effects and Markers of Environmental Racism by New York City Neighborhood
17	<b>Sameer Ahmed</b> – University of Southern California	CA	HS	Violations of Performance-Based National Detention Standards (PBNDS) Preceding Deaths in Immigration and Customs Enforcement (ICE) Detention, 2011-2018
18	<b>Laurel Bitterman</b> – Montana Technological University	MT	ENG	Microbial Cellulose Capsules Reactions with Solid Particles and Sulfates
18	<b>Sophia Barber, Sophia Iburguen</b> – Pasadena City College	CA	CHEM	Nanotechnology and medicine: Battling cancer one hybrid bio-nanoparticle conjugate at a time
19	<b>Rachel McLaughlin</b> - State University of New York- Geneseo	NY	M&CS	Disease Dynamics and Policy Implications for COVID-19 in Incarcerated and Surrounding Communities
19	<b>Rebecca Shyu</b> – University of Missouri – Columbia	MO	M&CS	Determinants of Inequity and Liver Cancer
20	<b>Kavya Ravishankar</b> – University of Pennsylvania	PA	M&CS	Modeling, Analysis, and Control of Student Loan Debt using Epidemiological Models
20	<b>Timothy Colaneri</b> – University of Rhode Island	RI	M&CS	Detecting overlapping patterns in Asteroid, a programming language which supports both first-class and conditional pattern matching
21	<b>Raffy Traas</b> – University of Wisconsin – La Crosse	WI	P&A	Searching Nearby Exoplanets for Extraterrestrial Intelligence
21	<b>Rebecca Corley, Suzanne Steel</b> – University of North Georgia	GA	P&A	Probing Nuclear Structure and Dynamics at the Electron-Ion Collider
21	<b>Zoe de Beurs</b> – University of Texas at Austin	TX	P&A	Detecting Exoplanets Using Artificial Intelligence and Radial Velocity Measurements

22	<b>Kathryn Gustafson</b> – <i>Marquette University</i>	WI	PSYCH	Empathy Building: Assessing the Effectiveness of a Virtual Reality Intervention to Improve Community-Police Relationships
22	<b>Tiffany Tan</b> – <i>University of Central Florida</i>	FL	EDU	Assessing Teacher's Implicit Attitudes Toward Racial Minority Students and Their Self-Efficacy Beliefs in Teaching Diverse Classroom
22	<b>Tushya Mehta, Grace Bonnema</b> – <i>Michigan State University</i>	MI	A&H	Narrative Processing of Music: How Culture Influences Our Perception of Music
23	<b>Allyson Molzahn</b> – <i>University of Arizona</i>	AZ	HS	SARS-CoV-2 and Asthma - A key inflammatory cytokine may reduce susceptibility to COVID-19 infection
23	<b>Roland Rodriguez</b> – <i>University of Tennessee at Knoxville</i>	TN	PSYCH	Status Dependent Differences in the Acute Stress Induced Neuroinflammation and Degeneration in the Hamster vmPFC
24	<b>Courtney Martin</b> – <i>University of Kentucky</i>	KY	SS	Investigating Cancer in Appalachian Kentucky through Content Analysis of Oral History Interviews
24	<b>Janice Snow</b> – <i>Utah State University</i>	UT	PSYCH	COVID-19 Impacts Undergraduates Mental Health: Students Returning Home Across State Lines Lose Access to Mental Healthcare
25	<b>Abby Smargon</b> – <i>Bridgewater State University</i>	MA	SS	Exploring the Relationship Between Mental Health, Behavioral Health Supports, and Undergraduate College Performance in Public University Students
25	<b>Sudan Smith, Shakira Miles</b> – <i>Bowie State University</i>	MD	SS	The Effects of Social Media on College Students Body Image and Self Image
26	<b>Eli Coltin</b> – <i>Purdue University</i>	IN	SS	Good Data for Good Decisions about Community Revitalization
26	<b>Patricia McKee</b> – <i>North Carolina State University</i>	NC	SS	Addressing Remote Communities' Disaster Response Information Needs: Examples from Hatteras and Ocracoke, North Carolina
27	<b>Arish Vale</b> – <i>Grinnell College</i>	IA	SS	Reconstitution: A Proposal For Renewal
27	<b>Faith Privett</b> – <i>Norwich University</i>	VT	SS	'Clad in Sheep's Clothing': An Analysis of the Influence of Attitudinal and Extra-Legal Factors on Justice Antonin Scalia's Decision-Making Process
28	<b>Jonah Nordeen, Caroline Durham, Armani Sumpter</b> – <i>Coastal Carolina University</i>	SC	SS	An Analysis of Perceptions and Personal Experiences of the Gun Violence Public Health Crisis
28	<b>Olivia Anderson</b> – <i>Eastern Connecticut State University</i>	CT	SS	Understanding the Impact of Partisanship on Climate Change Opinion from 1973-2016
29	<b>Anna Rutherford</b> – <i>Lee University</i>	TN	SS	Learning in the Time of Pandemic: Engagement in Collaborative Learning during COVID-19
29	<b>Nia Johnson, Thomas Bird, Tia Braxton, Madison Demkowski</b> – <i>LaGrange College</i>	AL	A&H	COVID-19 Pandemic Policies, Politics, and Economics