

FYRE Poster Session Spring 2021 **5:30 - 6:30 pm**

Poster #	Student Name	Title of the Poster
1	Matthew Lettow	Tobacco Mosaic Virus in Tomato Plants
2	Hannah Morris-Voth	Computational and Literature Research on Poly(electrolyte) Copolymers
3	Victor Nguyen	The Scorpion and the Mice: Resistance to Venom
4	Anika Patel	Synthesis and Isolation of Geraniol Alcohol Analogs
5	Sophie Patrock	The Effects of Carboxymethyl Chitosan on the Mitochondria of Dendritic Cells
6	Olivia Rouse	Analysis of Cancer Cells Using Single Cell Mass Spectrometry
7	Anthony Nguyen	Analyzing the Movement of the Vertices of N-Sided Polygons in Relation to Time Within a Euclidean Space
8	Miranda Schaefer	Tracking Chagas Disease Through Metabolomics & Mass Spectrometry
9	Gavin Short	How do thunderstorms evolve in hurricanes following landfall?
10	Pranay Singh	Measurement of Thermal Conductivity with Angstrom's Method
11	Christopher Sipols	Methanotrophic Activity in Norman Duck Pond
12	Rachel Smith	A Theoretical Study into Laser Cooling Oxygen
13	Jayden Sprigg	Comparing the Genetic Distance of Intraspecific and Interspecific Populations of Tropical Andes Birds
14	Noel Stanley	Determining the Ideal Structure of Cerium Exchanged Zeolite Y
15	Ryan Strawn	Analyzing the Effectiveness of Models to Predict Severe Weather
16	Aidan Sudler	Understanding Limit Cycles on Classical Harmonic Oscillators
17	Grant Talkington	Discovering Mechanisms Responsible for Onshore-and Offshore-Migrating Weather Systems in the Maritime Continent
18	Robel Tesfaselassie	Shape Memory Polymer Project
19	Abigail Thomas	Expansion Microscopy: An Innovative Biomedical Tool
20	Lucia Torres	Puddle Detection with Computer Vision for Self-Driving Cars
21	Katie Tramel	Exploring Ancient Mobility among Nonroyal Elites at the Classic Period Maya Archaeological Site of El Palmar, Campeche, Mexico
22	Nathan Veal	Differences in Pressure Pain Sensitivity and Conditioned Pain Modulation following COVID-19 Exposure
23	Luke Wilson	The Removal of Hexavalent Chromium from Water Supplies and its Impacts on the Model Organism <i>Lumbriculus variegatus</i>
24	Finn Woods	Early Detection of Oral Cancer via Autofluorescence Imaging
25	Oliver Wu	Optimization of a Visible Light Spectroscopy-Based Method for Sodium Dodecyl Sulfate (SDS) Quantification
26	Ryna Zubair (she/her)	Investigating the Social Stigma on HPV Testing in Young Adult Women

Senior Thesis Posters

27	Sarah Bonitatibus	Effects of Medium Composition and Fermentation Time on Secondary Metabolism in <i>Alternaria</i> Fungi
28	Devon Colby	Mass Spectrometry Analysis of Single Suspension Cells Via an Integrated Cell Manipulation System and a Single Probe Device
29	Isaiah Gilley	$(\text{NH}_4)_2 \text{AgX}_3$ (X = Br, I): 1D Silver Halides with Broadband White Light Emission and Improved Stability
30	Anh (Christine) Tran	Modulating the Bridge Helix of <i>Acidaminococcus</i> spCas12a to Improve DNA Cleavage Selectivity