

## ALL Speaker sessions in College of Natural and Health Sciences

## ALL Poster Sessions in Lake Bonny Room in Welcome Center

### Behavioral CNHS Building - ROOM S117

Fugate, Melodi	American Heritage Plantation	12	Oral session (All grade levels) (tradit	Behavioral	The Impacts of Polyunsaturated Fatty Acid Concentrations
Jos, Maya	American Heritage Plantation	10	Oral session (All grade levels) (tradit	Behavioral	Isolate_Overcrowd Drosophila
Kumar, Akshay	American Heritage Plantation	11	Oral session (All grade levels) (tradit	Behavioral	Use of kudzu extracts to treat ADHD
Yash, Vid	American Heritage Plantation	9	Oral session (All grade levels) (tradit	Behavioral	Associating Drug Addiction and Autoimmune Disorders, and the Effects of Methylcobalamin on Both Conditions

### POSTER SESSION - LAKE BONNY ROOM - WELCOME CENTER

Booth, Evan	Sarasota High School (MAST academy)	10	Poster session (High school ONLY)	Behavioral	Speed Training Booth FJAS
Colarte Delgado, Emma	American Heritage Plantation	11	Poster session (High school ONLY)	Behavioral	Alzheimer's Gender discrepancy
Linander, Brenin	Sarasota High School (MAST academy)	10	Poster session (High school ONLY)	Behavioral	Blockchain and Homelessness Paper
Moore, Kasey	American Heritage Boca/Delray	9	Poster session (High school ONLY)	Behavioral	UT in C Elegans Locomotion
Shivakumar, Roshini	American Heritage Plantation	11	Poster session (High school ONLY)	Behavioral	Drosophila Head Trauma Progeny

### Biological CNHS Building - ROOM S120

Amunategui, Matthew	Pinecrest School	12	Oral session (All grade levels) (tradit	Biological	Enhancing mESC Differentiation
bodaka, Shreyashi	Individual Registration (Use only if your scho	10	Oral session (All grade levels) (tradit	Biological	CompositeMLPredictionPhageHost
Barreto-Massad, Chloe	American Heritage Boca/Delray	12	Oral session (All grade levels) (tradit	Biological	AnnotatingPhages
Edwards, Hadley	Pinecrest School	12	Oral session (All grade levels) (tradit	Biological	APP Affects Cholesterol in AD
Ferber, Jonah	Pinecrest School	12	Oral session (All grade levels) (tradit	We	Pancreatic Cancer, Microbiology, Chemistry
Garfi, Francesca	Pinecrest School	11	Oral session (All grade levels) (tradit	Biological	Linker Cell Isolation
Harris, Kayli	American Heritage Boca/Delray	11	Oral session (All grade levels) (tradit	Biological	Stem Cell Rheumatoid Arthritis
Mittal, Saiya	Pinecrest School	11	Oral session (All grade levels) (tradit	Biological	Treatments for Addiction utilizing gut microbiota on mTOR and NPY
Narasimhan, Shriya	American Heritage Plantation	10	Oral session (All grade levels) (tradit	Biological	Lactobacillus and T2DM Paper
Nayak, Amrita	American Heritage Boca/Delray	12	Oral session (All grade levels) (tradit	Biological	Gut Microbial Mechanisms for the Treatment of Autism Spectrum Disorder using C. elegans as a Model
Petrov, Samuil	American Heritage Plantation	11	Oral session (All grade levels) (tradit	Biological	Sex Differences in Lymphedema
Stahl Michael	Sarasota High School (MAST academy)	10	Oral session (All grade levels) (tradit	Biological	Genetic_Mutations_Sweeteners

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Abou Shousha, Nour	Pinecrest School	11	Poster session (High school ONLY)	Biological	Glutathione regeneration
Andre, Noah-Duro	American Heritage Plantation	10	Poster session (High school ONLY)	Biological	Antimicrobial Soil Organisms
Braverman, Kaelin	Pinecrest School	11	Poster session (High school ONLY)	Biological	TLR3_STAT3 RetinalDegeneration
Chawla, Ashwin	Pinecrest School	12	Poster session (High school ONLY)	Biological	miR-210's effect on PDAC
Elhoushy, Samer	American Heritage Boca/Delray	12	Poster session (High school ONLY)	Biological	PolymorphismMetabolismDiverse
Gutierrez, Sarah	Sarasota High School (MAST academy)	10	Poster session (High school ONLY)	Biological	Effect of Minerals on Bacteria
Kantipudi, Shrika	American Heritage Plantation	12	Poster session (High school ONLY)	Biological	Re-engineering Stem Cells
Miller, Lynzee	Sarasota High School (MAST academy)	12	Poster session (High school ONLY)	Biological	Livestock Blood Compatibility Paper
Mohanty, Mili	American Heritage Boca/Delray	9	Poster session (High school ONLY)	Biological	BetaDefensin1
Obser, Tristan	American Heritage Boca/Delray	9	Poster session (High school ONLY)	Biological	Light-Activated Proton Pumps
Yang, Maxine	American Heritage Boca/Delray	10	Poster session (High school ONLY)	Biological	Vascular Systems and Effects of Allyl Isothiocyanate on Behavior in Zebrafish Larvae

Zhang, Hanna	American Heritage Plantation	11	Poster session (High school ONLY)	Biological	IF on Immune Defense
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## Environmental CNHS Building - ROOM S121

Ahmed, Sanya	American Heritage Plantation	9	Oral session (All grade levels) (tradit	Environmental	Increasing the Efficiency of a Hydrogen Fuel Cell Electric Vehicle (FCEV)
Balasureya, Himashi	American Heritage Plantation	11	Oral session (All grade levels) (tradit	Environmental	Predicting Shark Habitats
Cole, Jack	Pinecrest School	11	Oral session (All grade levels) (tradit	Environmental	Effect of Burns on Insects
Urban, Scarlett (Alix)	Sarasota High School (MAST academy)	11	Oral session (All grade levels) (tradit	Environmental	Arthrospira platensis FJAS submission 2024
Federici, Jacob	American Heritage Plantation	12	Oral session (All grade levels) (tradit	Environmental	Cyanobacteria_biofertilizer
Iyer, Anagha	American Heritage Plantation	10	Oral session (All grade levels) (tradit	Environmental	Bacteriophage Encapsulation
Jain, Bhav	American Heritage Boca/Delray	9	Oral session (All grade levels) (tradit	Environmental	SeaweedBasedBioplasticPaper
Joselson, Blair	Pinecrest School	11	Oral session (All grade levels) (tradit	Environmental	Impact of RI on Econ Loss
Pulmano, Lorenzo	American Heritage Plantation	12	Oral session (All grade levels) (tradit	Environmental	CNN, eyewall replacement cycle
Restrepo-Stier, Dannie	Pinecrest School	12	Oral session (All grade levels) (tradit	Environmental	Light and PAA Effects on Plant Growth
Biller, Austin	Sarasota High School (MAST academy)	11	Oral session (All grade levels) (tradit	Environmental	Cardboard Body Kit on MPG
Gaddy, Garhyson	Pinecrest School	12	Oral session (All grade levels) (tradit	Environmental	Stormwater Infrastructure

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Caragiulo, Sophie	Sarasota High School (MAST academy)	12	Poster session (High school ONLY)	Environmental	The Effect of an Increase in Carbon Dioxide on the Growth of Freshwater Chlorella Algae, Academic Paper
Konuru, Samhita	American Heritage Boca/Delray	11	Poster session (High school ONLY)	Environmental	Microfluidic Carbon Capture
Mahal, Nadhri	American Heritage Boca/Delray	11	Poster session (High school ONLY)	Environmental	The effects of spike lavender and clove essential oils and the predatory mites Phytoseiulus persimilis and Amblyseius
Mayforth, Riley	Sarasota High School (MAST academy)	12	Poster session (High school ONLY)	Environmental	Effect of Varying Fertilizers on Reproduction Rate of Lysmata Wurdemanni FJAS Competition
Peterson, Delaney	Individual Registration (Use only if your scho	9	Poster session (High school ONLY)	Environmental	AggregateSizeOysterRecruitment
Rozenberg, Mia	Pinecrest School	11	Poster session (High school ONLY)	Environmental	E. Coli_Coliform conc.
Sackerlotzky, Anika	Sarasota High School (MAST academy)	12	Poster session (High school ONLY)	Environmental	Phytohormones and Red Tide
Schnetker, Annika	Sarasota High School (MAST academy)	12	Poster session (High school ONLY)	Environmental	Artificial Lights - Dunaliella salina
Shin, Scott	American Heritage Plantation	11	Poster session (High school ONLY)	Environmental	Sargassum Extracts MS
Van Nostrand, Keaton	Sarasota High School (MAST academy)	11	Poster session (High school ONLY)	Environmental	Extraction of BAC's
Warren, Logan	Sarasota High School (MAST academy)	12	Poster session (High school ONLY)	Environmental	Battery of Recycled Materials

## Medical CNHS Building - ROOM S119

Behura, Maya	American Heritage Boca/Delray	11	Oral session (All grade levels) (tradit	Medical	CK2 Inhibitor Effect AML Cells
Challa, Lahari	American Heritage Boca/Delray	10	Oral session (All grade levels) (tradit	Medical	Elucidating the Impact of Lactobacillus casei ATCC 393 on Amyloid Plaque Generation in Alzheimer's model Caenor
Fan, Iris	American Heritage Plantation	11	Oral session (All grade levels) (tradit	Medical	Novel Implant for Neuroglia
Guerrier, Alexandria (Alex)	Pinecrest School	11	Oral session (All grade levels) (tradit	Medical	Pain From SCI
Hodes, Hayley	Pinecrest School	12	Oral session (All grade levels) (tradit	Medical	MicroRNA Targets for 1q21 MM
Mustapha, Kamilat	American Heritage Plantation	11	Oral session (All grade levels) (tradit	Medical	Inhibiting SLC3a2 Expression
Park, Sarah	The Bolles School	11	Oral session (All grade levels) (tradit	Medical	Establishing CADASIL Modeling
Patel, Krish	The Bolles School	11	Oral session (All grade levels) (tradit	Medical	PCL_FJAS
Ranjan, Aayushi	American Heritage Boca/Delray	12	Oral session (All grade levels) (tradit	Medical	Herbal Remedies on Alzheimer's
Saif, Sarrinah	American Heritage Boca/Delray	12	Oral session (All grade levels) (tradit	Medical	2-Butenedioic Effect on VCAM1
Schnurman, Alex	Pinecrest School	12	Oral session (All grade levels) (tradit	Medical	UI PROTAC Development
Srivastav, Shania	American Heritage Plantation	10	Oral session (All grade levels) (tradit	Medical	Metabolic Modulation C-Elegans

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Dobzinski, Noa	Pinecrest School	11	Poster session (High school ONLY)	Medical	AftersensationsOcularPain
Hurley, Eden	Sarasota High School (MAST academy)	10	Poster session (High school ONLY)	Medical	Stem Cells on Planarian
Kwok, Nicholas	American Heritage Plantation	10	Poster session (High school ONLY)	Medical	The Effect of Time-Restricted Feeding on Muscle Function in Obese Drosophila Melanogaster on Weight-Loss-Drug
Larned, Lauren	Pinecrest School	11	Poster session (High school ONLY)	Medical	Novel Fluoropyrimidine
Mishiev, Mikaela	American Heritage Plantation	10	Poster session (High school ONLY)	Medical	Effects of beet juice on DMD

Mohanty, Maya	American Heritage Boca/Delray	12	Poster session (High school ONLY)	Medical	Caulobacter crescentus
Okpala, Amarachukwu	American Heritage Plantation	12	Poster session (High school ONLY)	Medical	Cardiac Connector
Owusu, Malcolm	American Heritage Plantation	12	Poster session (High school ONLY)	Medical	Understanding the PSEN1 G206A Mutation in Alzheimer's Disease
Pandey, Neelesh	Individual Registration (Use only if your school is not registered)	11	Poster session (High school ONLY)	Medical	Glioblastoma Somatic Mutations
Patel, Ohm	Sarasota High School (MAST academy)	12	Poster session (High school ONLY)	Medical	Machine Learning for Parkinson's Detection
Selvan, Likhitha	American Heritage Plantation	11	Poster session (High school ONLY)	Medical	Sigma-1R in HIV-1 & METH FJAS Paper

## Physical CNHS Building - ROOM S122

Lansing, Peter	Pinecrest School	11	Oral session (All grade levels) (tradit	Physical	Finding Molecular Tracers
Lawrence, Katherine	Sarasota High School (MAST academy)	12	Oral session (All grade levels) (tradit	Physical	Accuracy of AI in Chemistry
Lopez, Matthew	Pinecrest School	12	Oral session (All grade levels) (tradit	Physical	AI Peptide Design for p53-MDM2
Sachdeva, Annika	Pinecrest School	11	Oral session (All grade levels) (tradit	Physical	Weighted Norm. with ResNet18
Wakefield, William	Pinecrest School	11	Oral session (All grade levels) (tradit	Physical	Diagnosis Tool for Dementia

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Camille Foreman	Sarasota High School (MAST academy)		Poster session (High school ONLY)	physical	A simulation to repel LHS-1
Du, Siyuan	American Heritage Boca/Delray	10	Poster session (High school ONLY)	Physical	Fault Detection Transformer
Jack Vanden Heuvel	Sarasota High School (MAST academy)	11	Poster session (High school ONLY)	Physical	Electroplating Resin 3D Print
Linander, Tristan	Sarasota High School (MAST academy)	10	Poster session (High school ONLY)	Physical	Constructing a multiple stage coilgun as a lunar projectile launcher
Toale, Claire	Sarasota High School (MAST academy)	10	Poster session (High school ONLY)	Biological	The effect of blue light blockers on daphnia magna
Zhao, Catherine	American Heritage Boca/Delray	11	Poster session (High school ONLY)	Physical	chlorine emulsified teng

## Middle School CNHS Building - ROOM S216

Kalashnykov, Ivan	American Heritage Plantation	8	Oral session (All grade levels) (tradit	Behavioral	Clove-in-zebrafish-with-6-OHDA
Rohin Teegavarapu	American Heritage Boca/Delray	8	Oral session (All grade levels) (tradit	Behavioral	Testing Math Skills of ChatGPT
Isaac, Luke	American Heritage Boca/Delray	8	Oral session (All grade levels) (tradit	Biological	Efficacy Probiotics Stomach
Cowing, Allison	American Heritage Boca/Delray	8	Oral session (All grade levels) (tradit	Environmental	Pesticide Heart Rate Daphnia
Donoghue, Ava	McIntosh Middle School	8	Oral session (All grade levels) (tradit	Environmental	Bivalves And Brevetoxin-A Toxic Relationship
Narang, Siyona	American Heritage Plantation	7	Oral session (All grade levels) (tradit	Environmental	The Impact of Climate Change on Algae Growth
Ruiz Loo, Daniel	McIntosh Middle School	7	Oral session (All grade levels) (tradit	Environmental	Sunscreen Can Save the World
Selim, Youssab	McIntosh Middle School	7	Oral session (All grade levels) (tradit	Environmental	Saving the Planet One Drop at a Time
Shalaurov, Lilia	American Heritage Boca/Delray	8	Oral session (All grade levels) (tradit	Medical	Tulsi Blood Pressure Daphnia
McCaughey, Rian	McIntosh Middle School	7	Oral session (All grade levels) (tradit	Physical	Stealthy Shapes
Mikati, Gabriel	American Heritage Boca/Delray	8	Oral session (All grade levels) (tradit	Physical	Nickel Zinc Battery Satellite
Pillai, Shiv	American Heritage Boca/Delray	8	Oral session (All grade levels) (tradit	Physical	Porous Hydraulic Crumple Zone
Toledo, Bryan	McIntosh Middle School	7	Oral session (All grade levels) (tradit	Physical	Best 3D Drone Will Save Your Home