

# PROGRAM

## SCHOLARS EXPEAUX 2023

**The Research and Creative Exposition at Nicholls**

DATE	TIME	ACTIVITY	LOCATION
Monday, 27 March	10:00 AM-4:30 PM	Humanities Symposium	Sisters Suites, Union
	7:30 PM-9:00 PM	Performing Arts Showcase	Danos Theatre, Talbot Hall
Tuesday, 28 March	8:00A M-12:00 PM	Student Poster Viewing	Ballroom, Union
	8:00 AM-12:00 PM	Faculty Poster Viewing	Ballroom, Union
	10:00AM-11:30 PM	Humanities Symposium	Sisters Suites, Union
	1:30 PM-4:00 PM	Student Poster Competition Judging	Ballroom, Union
Wednesday, 29 March	8:00AM-4:00 PM	Student Poster Viewing	Ballroom, Union
	8:00AM-4:00 PM	Faculty Poster Viewing	Ballroom, Union
	1:00PM-3:00 PM	Short Documentaries & Art Animation Screening	LeBijou Theatre, Union
	4:00PM-5:00 PM	<i>Mosaic</i> "Sneak Peek" Student Literary Readings	Sisters Suites, Union
	5:00PM-7:00 PM	Reception & Awards Ceremony	Ballroom, Union

### DETAILS

- 1. Student & Faculty Poster Exposition, p.1**
- 2. Undergraduate Humanities Symposium, p.5**
- 3. Undergraduate Performing Arts Showcase, p.6**
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- 5. Mosaic 2023 Student Literary Readings, p.7**

# 1. Student & Faculty Poster Exposition

## Ballroom at the Student Union

**Tuesday, 28 March**

- 8:00 AM-12:00 Noon - Public Poster Viewing
- 1:30 PM-4:00 PM - Competition Judging (Student Competitors Only)

**Wednesday, 29 March**

**8:00 AM-4:00 PM - Public Poster Viewing**

Graduate Student Posters			
#	Name	Department	Title of Project
1	Annie Alexander	Biological Sciences	Comparing Relative Abundance Among Preferred, Marginal, and Poor Habitat for Invasive Carp-larvae
2	Coby Bernhart-Horton	Biological Sciences	Investigating the Effect of Accrued Wetlands on Water Quality, Antibiotic Resistant Bacteria, and Antibiotic Resistance Genes in Treated Domestic Effluent
3	Claire Boudreaux	Biological Sciences	Population Demographics of Diamondback Terrapin in Barataria Bay
4	Dinah Cador	Biological Sciences	Utility of Eye Lenses to Investigate Habitat Use, Trophic Ecology, and Life History of Spotted Gar <i>Lepisosteus oculatus</i> and Alligator Gar <i>Atractosteus spatula</i>
5	Lauren Eagon	Biological Sciences	Postecdysial Zinc Incorporation and Its Effects in the Blue Crab <i>Callinectes sapidus</i>
6	Tyranique Harding	Psychology	Promoting Advocacy for African American Female Adolescents: Exploring the Biases in Counseling
7	Amber Harms	Nursing	Evaluation of Social Media and Adolescent Mental Health: A Better Understanding of Risks and Benefits
8	Michael Holloway	Nursing	Reverse the Disease – Guide to Intermittent Fasting
9	Erik Johnson	Biological Sciences	Determining Drivers of Community Composition in Ridge-associated Marsh Communities
10	Tammy Johnson	Biological Sciences	The Differential Effects of T4 and MS2 Coliphages on the Expression of the Genes Responsible for Biofilm Formation in a Pure <i>E.coli</i> Biofilm
11	Shasta Kamara	Biological Sciences	Comparison of Finfish and Crustacean Assemblages Among Established Marsh Terraces, New Marsh Terraces, and Open Water in a Restored Brackish Marsh
12	Connor Lee	Biological Sciences	Identifying Freshwater Mussel Species in the Calcasieu and Sabine Basins Using Environmental DNA and Metabarcoding
13	Michelle Lignieres	Biological Sciences	Monitoring Fauna Assemblages at Various Levels to Compare Constructed Terraces and Original Marsh for a Restoration Project
14	Elizabeth Myers	Biological Sciences	Comparison of the Littoral and Pelagic Aquatic Faunal Communities at a Degraded Natural Estuarine Ridge Near Isle de Jean Charles in Terrebonne Basin, Louisiana
15	Nadine Nelson	Teacher Education	Digital Citizenship
16	Emily Ott	Biological Sciences	Comparing Spotted Gar Reproductive Potential and Body Condition in Connected and Disconnected Floodplains

17	Haleigh Sever	Biological Sciences	Comparison of Feeding Strategies for Culturing Juvenile Spotted Gar <i>Lepisosteus oculatus</i>
18	Carissa Thiel	Biological Sciences	Abiotic Drivers of Coastal Ridge Terrestrial Forest Community Composition
19	Shelby Truckenbrod	Biological Sciences	Using Automated Radio Telemetry to Track the Movement and Habitat Use of Diamondback Terrapins ( <i>Malaclemys Terrapin</i> ) on a Barrier Island in Southeast Louisiana
20	Wyatt Voelker	Biological Sciences	Using DNA Metabarcoding to Characterize the Rufa Red Knot's ( <i>Calidris canutus Rufa</i> ) Diet at Grand Isle and the Chandeleur Islands
21	Echezona Williams	Nursing	The Benefits of Exercise as Treatment for Clinically Depressed Patients
22	Katherine Wright	Biological Sciences	Life History, Habitat Use, and Trophic Ecology of Alligator Gar ( <i>Altractosteus spatula</i> ) Populations in Louisiana and Mississippi
23	Robert Bergeron	Biological Sciences	Evaluating Restoration of Ecological Functions of Salt Marsh Habitats Using High-Resolution Imaging Sonar

<b>Undergraduate Student Posters</b>			
#	Name	Department	Title of Project
24	Bincy Biju	Biological Sciences	Water Quality and the Presence of Antibiotic Resistant Bacteria in the Bayous of Terrebonne Parish in Southeastern Louisiana, USA
25	Austin Blanchard	Chemistry	Identification of Products from the Sonochemical Degradation of Metribuzin Using Liquid Chromatography–Mass Spectrometry (LC-MS)
26	Madison Bowers	Chemistry	Analyzing Petroleum Content of Oil Contaminated Water with Gas Chromatography-Mass Spectrometry Using Solid Phase Microextraction
27	Madeline Cronan	History	Answering the Questions of Martian Sovereignty and Security
28	Tabatha Daigle	Art	Propaganda in the Oldest of Places
29	Katherine Dean	English, Mod. Lang. & Cultural Studies	Records and Revelations: Translating Nineteenth-century Lafourche Parish Court Documents Archived in Ellender Library
30	Hailey Domingue	Biological Sciences	Does Postecdysial Exoskeleton Calcification in the Blue Crab <i>Callinectes Sapidus</i> Occur in Vitro?
31	Courteney Dufrene	Chemistry	Synthesis, Characterization, and Electrochemical Studies of Ferrocene-based Molecular Host for Anionic Guests
32	Bethany Ekiss	Geomatics	Using Mixed Reality to Design a Virtual Walk-through Model of the Geomatics UAS Lab
33	Garon Guidry	Chemistry	Design of Metal-organic Supramolecular Host for Capturing and Releasing of Molecular Guests
34	Hannah Guidry	Nursing	Implementations of VOCERA Smartbadge® at Hospital X
35	Alexandra Himel	Biological Sciences	Assessing Floridian Manatee Body Condition During an Unexpected Mortality Event Using Drone-based Photogrammetry
36	Andrew Le	Marketing	Beyond the Call of Duty: Esports Programs Impact on College Admissions, Retention, and Revenue
37	Maegan LeBlanc	Biological Sciences	Investigation of Nutrient Loading and Flooding Depth on the Survival and Growth of Bald Cypress <i>Taxodium distichum</i> (L.) Rich.) and <i>Schoenoplectus californicus</i> (C.A. Mey.) Palla
38	Alyssa LeGaux	Art	Bisa Butler: What Makes a Tribute
39	Brody Marcotte	Chemistry	Development of Cu(II) Mediated C-N Bond Formation
40	Cori Matherne	Biological Sciences	How Does Thermal Fluctuation Impact Molting in the Neonate <i>Daphnia magna</i> ?
41	Marcus Matherne	Geomatics	Using Hydrographic Data to Measure the Amount of Water that can Drain into the Nicholls Farm Canal

42	Daniel Moore	Business Administration	The Impacts and Advancements of Technology on Louisiana's Economy
43	Saisiddharth Nandhakumar	Computer Information Systems	How Machine Learning and Data Science Can Help Local Businesses
44	Sarah Oubre	Marketing	An Analysis of the Cajun and Creole Subcultures Pertaining to Tourism Marketing, History, and Identity
45	Melba Parnell	Chemistry	Synthesis of Ruthenium(II) Complexes for Anion Binding Studies
46	Naomi Raeford	Accounting	Developing a Model to Analyze Food Security in Sub-Saharan African Countries
47	Mary Grace Robichaux	Biological Sciences	Analysis of Antibiotic Resistant Bacteria, Antibiotic Resistance Genes, and Contaminants in Sludge Following Hurricane Ida in Southeast Louisiana, USA
48	Jakeetra Ross	Art	WAKE UP
49	Brandon Silva	Geomatics	Mapping Oak Trees on Nicholls' Campus Using Global Navigation Satellite Systems and Geographic Information Systems
50	Brandon Silva	Geomatics	An Analysis of the Parking Lots on Campus Using Surveying Techniques: A GEOM 440 Senior Seminar Project
51	Sylvie Songe	Chemistry	Isolation of Unique Retroelements in the Genomic DNA of <i>Procambarus clarkii</i>
52	Tristan Stokes	Chemistry	Analysis of Cyanide in Municipal Waste and Drinking Water
53	Taylor Thibodaux	Biological Sciences	Developing a Database in Collaboration with BOEM Focusing on Health Correlations with Oil and Gas Waste Facilities in Louisiana
54	Tina Verret	Teacher Education	The Messiah of the Waco Massacre

### Faculty Posters

#	Name	College/Center/Department	Title of Project
55	Anna Broussard	Mass Communication	A Free Spinster: Jo March's Asexual Possibility
56	Mehmet Celebi	Sociology	Double Trouble: Hurricane Ida and Its Effects on Mental Health
57	Deborah Cibelli	Art	Salviati's Emblematic Imagery in the Palazzo Vecchio of Florence
58	Alaina Daigle	Nursing	Development and Testing of an Instrument to Measure Professionalism in Nursing
59	John Doucet	Bayou Studies	The Last Acadian Coast: Origin of the Wetlands Acadians of Louisiana
60	Cari Granier & Lauren Boudreaux	Nursing	Remote Clinical Skills Simulation for Nursing Students
61	Rajesh Komati	Physical Sciences	Binding Studies of Acridine Based Telomerase Inhibitors by Using MOE Software
62	Jason Ladd	Music	Historical Overview of the Texas UIL Band Music List
63	Gary LaFleur	Bayou Studies	Louisiana Amphibian Monitoring Program as Nicholls Service Learning for BTNEP, LDWF, and USGS
64	Shelly Matherne	Nursing	A Quality Improvement Project: Implementation of Universal Postpartum Depression Screening
65	Michelle Patterson	Nursing	M-O-M-S™ on the Bayou: An Intervention for Post Disaster Mental Health in Pregnancy – Caregiver and Childbearing Women's Perspectives
66	Daniel Riesmeyer	Art	Modifying the Working Properties of Gouache with Honey
67	Kurt Stiegler &	History	The Normandy Academy: Teaching Leadership through Study Abroad

	Paul Wilson		
68	Ashley Thibodeaux	Nursing	Incorporating Mindfulness Practices to Enhance Performance of Nursing Students: A Literature Review
69	Stuart Tully	History	"Sunday's on the Way": Carman's Relationship with Carlton Pearson and its Impact on Contemporary Christian Music
70	Chadwick Young	Physical Sciences	Utilizing Drones in a First-year Physics Lab
71	Cong Xing	Mathematics	Finding Multiple Disjoint Shortest Paths in Scale-free Networks

## 2. Undergraduate Humanities Symposium

### Sisters Suites at the Student Union

**Monday, March 27, 2023**

**Session One—High School Panel - 10:00 AM - 11:30 PM**

*First Place—The Mabel Bollinger Toups Award*

**Julia Lion** – “The Storm of the Night.”

Mount Carmel Academy, New Orleans, LA

*Third Place*

**Maleik Lewis** – “The Shade of the Willow.”

Thibodaux High School, Thibodaux, LA

*Honorable Mention*

**Kayden Martin** – “The Legend of Germain.”

South Lafourche High School, Galliano, LA

**Session Two - 1:00 PM - 2:30 PM** - Moderator: Arati Jambotkar “A.J.” Watson

**Mark Hue** – “Poor Norma: An Exploration into Depictions of Feminine Trauma in Andrew Dominik’s *Blonde*”

**Gabrielle Blanchard** – “The Coens and Existentialism: The Bleak Worlds of *Inside Llewyn Davis* and *A Serious Man*”

**Taylor Mergist** – “*Call Me By Your Name*: Dreams vs. Reality and Love vs. Obsession”

**Session Three - 3:00 PM - 4:30 PM** - Moderator: Dr. Deborah Cibelli

**Madeline Cronan** – “Answering the Questions of Martian Sovereignty and Defense: A Primer”

**Timothy Seiler Jr** – “Qualities of Good Government”

**Tabatha Daigle** – “Propaganda in the Oldest of Places”

**Tuesday, March 28, 2023**

**Session Four - 10:00 AM -11:30 AM** - Moderator: Dr. Bryant Smith

**Clare Melvin** – “Every Woman is an Anti-Mary, or: Christian Fundamentalism and Misogyny in American Literature as Seen in Stephen King’s *Carrie*”

**Diego Lazo** – “Historicity of the New Testament”

### **3. Undergraduate Performing Arts Showcase**

**Monday, 27 March - Danos Theater at Talbot Hall - 7:30 PM-9:00 PM**

*In Order of Performance*

Come Away, Come Away Death (Let Us Garlands Bring) ▪ Gerald Finzi (1901-1956)

**Kyle Davis**, baritone

Dr. Ying-Shan Su, piano

I’m a Poor Lil Orphan ▪ Julia Perry (1924-1979)

**Taree Nicholls**, soprano

Dr. Ying-Shan Su, piano

Flute Sonata in B Minor, BWV 1030: I. Andante ▪ Johann Sebastian Bach (1685-1750)

**Emma Gottschalk**, flute

Dr. Ying-Shan Su, piano

Symphonie Espagnole: II. Scherzando: Allegro Molto & III. Intermezzo: Allegretto non troppo ▪ Edouard Lalo (1823-1892)

**Isadora Candida**, violin

Dr. Ying-Shan Su, piano

Violin Concerto No. 1 in D Major: II. Scherzo Vivacissimo ▪ Sergei Prokofiev (1891-1953)

**Luhan Lucena**, violin

Dr. Ying-Shan Su, piano

Violin Concerto in D Minor, Op. 47: I. Allegro Moderato ▪ Jean Sibelius (1865-1957)

**Abraham Ruiz**, violin

Dr. Luciana Soares, piano

#### 4. Undergraduate Short Documentaries and Art Animation Screening

Wednesday, 29 March - LeBijou Theater at the Student Union - 1:00PM-3:00 PM

##### *In Order of Screening*

**Gabby Blanchard – *Thinking Ball*** (animation; 24 seconds) – George Oldman, a grumpy old ball, has his jaded worldview changed by a kind act from a chipper, young ball.

**Ann-Marie Ross – *Space Helmet Adventure*** (animation; 15 seconds) – A space helmet named Dr. Lunar travels on a rocket going on an adventure to another planet.

**Steven Johnson – *Fritz's Plight*** (animation; 30 seconds) – Fritz tries to pull off the heist of a lifetime but has no idea that he's in over his head.

**Bryce Whittington – *Carriage Mules*** (documentary; 7 min, 51 sec) – A brief exploration of the history of mules in the United States, featuring New Orleans carriage mules with their drivers. The video is narrated by Gene Moll.

**Kristen Kortright - *Puffrog*** (animation; 10 seconds) – Boggerson is a domesticated puffrog from an alternate universe, and Robby is trying to catch him to keep him as his pet. Being serious and reserved, Boggerson is annoyed at Robby's attempts to play with him.

**Kristen Kortright – *Sativa*** (animated comic book; 3 min, 23 sec) – The people of the kingdom of Aquaria live happily, using their ability of water manipulation to power the water wheel, which provides energy for the kingdom. The Aquarian people feel a strong sense of unity and pride as they work together to advance their society. However, one girl, Savita, is rejected by the Aquarian people. Savita cannot control water like everyone else. Instead, she has a secret ability which threatens to destroy the kingdom.

**Delaney Ligori – *The Casket Girls*** (documentary; 4 min, 45 sec) – A tour guide tells the story of vampires in New Orleans. European girls came to New Orleans and brought the vampire legend. Many rumors and cultures around the city are based on this vampire folklore. This documentary tells the story of the city housing these vampires.

**Alexis Kraemer – *Otlo*** (animation; 11 seconds) – A little bunny rat who lives in a bright and bubbly forest, stumbles upon a portal one day. He inspects this portal and falls into a new, scarier world.

#### 5. Mosaic 2023 "Sneak Peek" an Student Literary Readings

Wednesday, 29 March - Sister Suites at the Student Union - 4:00PM-5:00 PM

Join faculty and student producers of one of the longest-running student literary magazines among Louisiana colleges and universities. Hear readings from student contributors.