



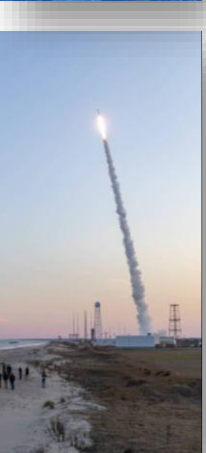
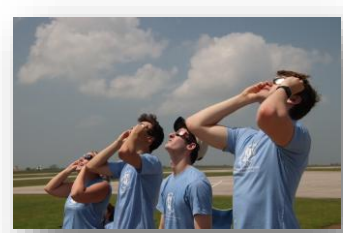
# LaSPACE 2026 Quarter 1 (ish) Virtual Meeting

Colleen H. Fava, **Director**

**Zoom Meeting**

Meeting ID: 922 0831 5087 | Passcode: 874129

**Monday, April 6, 2026, 3:00 pm**

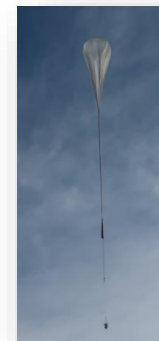




# Meeting Agenda



- Welcome & Introductions
- NASA Space Grant Funding
  - Old Award 1<sup>st</sup> & 2<sup>nd</sup> NCE
  - New Award: Years 1 & 2
  - 2026-2027 LaSPACE Program Competitions
- NASA EPSCoR Funding
- 2026 LaSPACE Meetings
- Community Discussion
- Adjourn





# LaSPACE Program Management Team



**COLLEEN**

COLLEEN H. FAVA  
DIRECTOR



**DOUG**

DOUG GRANGER  
ASSISTANT DIRECTOR



**AARON**

AARON RYAN  
PROGRAM MANAGER



**JONATHAN**

JONATHAN SMITH  
PROGRAM COORDINATOR

Drop your name, institution, and affiliation with LaSPACE in the chat, please!



# LA Space Grant Old Award Status

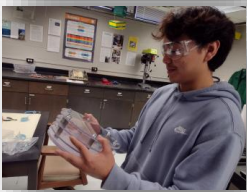
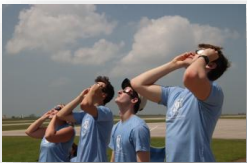
## **OLD Award:** *Advancing the NASA Mission in Louisiana + 5th Year Extension*

- **Funded Award Period of 5 years: 06/10/2020—06/09/2025**
- **1<sup>st</sup> NCE: 06/10/2020—06/09/2026**
- **Funding Allocated under NCE (30 total projects / 19 at lead):**
  - Subawards: 4 GSRAs, 1 LaSSO, 16 LURAs, 4 Senior Designs
  - Grambling Participation at RockOn 2026
  - LaACES at LSU: statewide management and student teams
  - LSU Participation in Space Grant 2025-2026 Midwest High-Power Rocketry Competition (MNSG)
  - Support for LSU AIAA Rocketry Certification
- **2<sup>nd</sup> NCE Request: 06/10/2020—06/09/2027**
  - Submitted & Approved by NASA SG TO in February 2026; NSSC extension received March 25, 2026
- **Closeout & Full Spend down of the Old Award is a top Priority**
- **NCEs for subawards on the old award will be considered**
  - Submit Requests to [laspace@lsu.edu](mailto:laspace@lsu.edu) no later than Friday, April 24<sup>th</sup>
  - New PoP end dates will be approved up to August 14, 2026
  - Consideration may be given for extensions to December 14, 2026 for *very special circumstances*
- **Funded Extensions for Summer 2026 might be available for old award subawards**
  - Stay tuned for guidance





# Old Award Subawards Eligible for NCE



Program	Institution	PI Name	Students	Proposal Title	PI Department	Start Date	End Date	Acct#/GR#	PO#
GSRA	LSU	Adrian Stein	Karan Baker	Advanced Bayesian Estimation and Global Sensitivity Optimization for Unmanned Aerial Systems	Mechanical and Industrial Engineering	8/15/2025	5/31/2026	GR-00017631	N/A
GSRA	LSUHSC-S	Xiaohong Lu	Katelyn Lofton	"Space Fog": Linking Genomic Instability to Cognitive Deficits in Space and Strategies for Intervention	Biological Engineering	8/15/2025	5/31/2026	GR-00017516	PO-0000313234
GSRA	LaTech	Krystal Cruse	Kayla Biggs	Applying a Graph Theory Model to Analyze Interactions for the Formation of Effective Project Groups	Mechanical Engineering	8/15/2025	5/31/2026	GR-00017475	PO-0000311292
GSRA	LaTech	Joan Lynam	Jermya Wilson	Rice Husks to Repellent: Sustainable Lignin-Based Superhydrophobic Coatings for Metallic Surfaces in Extreme Environments	Chemical Engineering	8/15/2025	5/31/2026	GR-00017515	PO-0000312003
LaSSO	LaTech	Elisa Castagnola	Josephine Day	Effects of Cadmium Toxicity from Wetland Pollutants on Brain Glutamate Levels in Mice	Biomedical Engineering	8/15/2025	5/31/2026	GR-00017469	PO-0000311309
LURA	LSU	Adrian Stein	Yousuf Atteia	Visual Detection of Aerial Intruders: Drone-Based Sky Surveillance Using an Onboard Camera	Mechanical and Industrial Engineering	8/15/2025	5/31/2026	GR-00017625	N/A
LURA	LSU	Adrian Stein	Dutch Dunphy	Real-World Implementation of Time-Delay Filters for Systems with Nonzero Initial Conditions: A Gantry Crane Case Study	Mechanical and Industrial Engineering	8/15/2025	5/31/2026	GR-00017629	N/A
LURA	LSU	Robert Herbert	Emiliana Grove	In-space printing of soft multifunctional materials for sensor-embedded seals	Mechanical and Industrial Engineering	8/15/2025	5/31/2026	GR-00017630	N/A
LURA	LSU	Adrian Stein	Bradley Wight	Model-Free Trajectory Tracking via Intelligent PID Control and Input Shaping	Mechanical and Industrial Engineering	8/15/2025	5/31/2026	GR-00018033	N/A
LURA	LSU	Eric Burns	Skye Strain	Physical Classification of Gamma-ray Bursts from Prompt Observations	Physics and Astronomy	8/15/2025	5/31/2026	GR-00018035	N/A
LURA	LSU	Eric Burns	Emily Reily	Validating the New Wayfinder System of the interplanetary Network	Physics and Astronomy	8/15/2025	5/31/2026	GR-00018036	N/A
LURA	LSU	Adrian Stein	Neil Muralles	Enhancing Drone Detection with Adaptive Wiener Filtering in Noisy and Dynamic Environments	Mechanical and Industrial Engineering	8/15/2025	5/31/2026	GR-00018076	N/A
LURA	LSU	Michela Negro	Garrett Anthony Latiolais	An automated variability monitor and flare advocate system for the future NASA mission COSI	Physics	8/15/2025	5/31/2026	GR-00017963	N/A
LURA	LSU	Felipe Fronchetti	Vinh Le	TwinSight: A Digital Twin Interface for NASA-Class Robotic Ground Operations	College of Engineering	8/15/2025	5/31/2026	GR-00018121	N/A
LURA	LaTech	Elisa Castagnola	Carl Jimmy Robbins	The Effects of Microgravity of Serotonin and Dopamine in the Brain	Biomedical Engineering	8/15/2025	5/31/2026	GR-00017462	PO-0000311310
LURA	LaTech	Joan Lynam	Janae Dotson	From Waste to Resource: Enhancing Nitrogen Recovery from Human Hair for Lunar Agriculture	Chemical Engineering	8/15/2025	5/31/2026	GR-00017463	PO-0000311616
LURA	LaTech	Gergana G. Nestorova	Corinne Lansing	Natural Countermeasures for Astronaut Mitochondrial Health: Modulating MK2 in Glioblastoma Cells with Rosemary EVs	School of Biological Sciences	8/15/2025	5/31/2026	GR-00017465	PO-0000311602
LURA	LaTech	Elisa Castagnola	Seth Standley	Investigating the Effects of SSRIs on Serotonin Regulation Under Microgravity Conditions	Biomedical Engineering	8/15/2025	5/31/2026	GR-00017467	PO-0000311312
LURA	LaTech	Elisa Castagnola	Bryleigh Wickham	Design and Development of a Small-Scale Centrifuge for Simulating Hypergravity Conditions	Biomedical Engineering	8/15/2025	5/31/2026	GR-00017468	PO-0000311311
LURA	ULL	Dilip Depan	Riley Guillory	Role of nanoparticles to modulate the electrical and mechanical properties of 3D printed and electrospun biosensors	Chemical Engineering	8/15/2025	5/31/2026	GR-00017464	PO-0000315348
LURA	ULL	Dhan Lord B. Fortela	Susannah R. Donoghue	StaK'em® - A Rocket Science Educational Kit for K-12 and Beyond	Chemical Engineering	8/15/2025	5/31/2026	GR-00017466	PO-0000312936



# LA Space Grant New Award Status

## **New Award:** *Louisiana Space Grant Opportunities in NASA STEM FY 2025-2028*

- **Initial Award Period: 06/10/2025—06/09/2029**
  - Year 1 Funding Received 06/04/25: \$800K
  - Year 1 Augmentation Received 11/26/25: \$145K
  - Year 2 Funding + Proposed Augmentation Received = \$870K
  - Years 3 & 4 with Proposed Augmentations anticipated = \$870K/yr
  - Annual BoR Cost-Share (07/01—06/30): \$250K/yr
  - Additional Augmentation Opportunity Years 2—4 Under Review (due May 8, 2026)
- **NCEs for subawards on the new award are possible**
  - Standard NCE Request Protocols in effect
  - Due 60 days before end date
  - Limited to 6 months max
  - Progress Reports and formal requests to [laspace@lsu.edu](mailto:laspace@lsu.edu)





# LA SG Year 1 – Subaward Funding Summary

## New Award: *Louisiana Space Grant Opportunities in NASA STEM FY 2025-2028*

- **NASA Funded Subawards PoP: 08/15/2025—05/31/2026**

- 6 GSRA Awards (LaTech, LSU, ULL)
- 5 LaACES Awards (Loyola, McNeese, Northwestern, Southeastern, Southern)
- 1 LaSSO (Northwestern)
- 5 LURAs (LaTech, Southeastern, ULL)
- 2 SAFOS (LSU, Southeastern)
- 4 Senior Designs (LaTech, McNeese, Southeastern)

- **NASA Funded Projects non-Subaward**

- Pending: NASA Summer Interns (2)
- Pending: Industry Internships (11)
- Pending (Co-funded with Sea Grant): GIRAF awards (2)
- SEEC Educator PD Registration Support (10 formal and informal Educators)
- GPS Cohort 3: 19 students at 10 campuses (Delgado, Grambling, LaTech, Loyola, LSU, Southeastern, Southern, Southern New Orleans, ULL, UNO)

- **BoR Funded Subawards PoP: 09/15/2025—06/30/2026**

- 7 REA Awards (LaTech, LSU, LSU-Ag, Southeastern, Tulane)

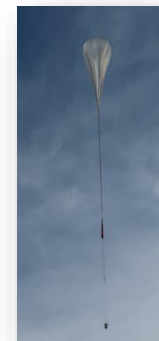




# LA SG Year 2 – Program Competition Cycle

## LaSPACE Year 2 2026-2027 Competition Cycle Important Dates

- **Program Areas:** GSRA, LaSSO, LURA, STEMS, LaACES, Senior Design
  - **Call for Proposals:** Wednesday, April 15, 2026
  - **Proposals Due:** Monday, June 15, 2026
  - **Decision Letters:** throughout July
  - **Period of Performance:** 08/15/2026—05/31/2027 (9.5 months)
- **Program Areas:** SAFOS, PLACES (outreach)
  - **Call for Proposals:** Updated guidance to be released April/May 2025
  - **Proposals Due:** Open solicitation
  - **Decision Letters:** typically, less than 30 days
  - **Period of Performance:** Varies
- **Program Area:** REA
  - **Call for Proposals:** Wednesday, April 15, 2026
  - **Proposals Due:** Monday, June 22, 2026
  - **Decision Letters:** Early/Mid August
  - **Period of Performance:** 09/15/2026—06/30/2027 (9.5 months)
- **Program Areas:** GPS, GIRAF, Internships
  - **Cycle Dates:** Late Fall 2026 / Spring 2027





# LA NASA EPSCoR Program Outlook

## NASA EPSCoR Research Infrastructure Development (RID Award)

- **Original Award Period: 07/01/2022—06/30/2027**
  - Year 5 (2026-2027): 19 RAP Proposals / 10 Awarded
  - Year 5: Remaining Funding Available for TAPs and EPSCoR focused state meeting
  - Anticipate a Call from NASA EPSCoR soon for augmented funding to Year 5 & full 6<sup>th</sup> year funding
  - Expect to utilize 1<sup>st</sup> NCE so that total PoP would become 07/01/2022—06/30/2029

## NASA EPSCoR Rapid Research Response (R3) (NNH24ZHA003C-EPSCORR3)

- **Proposals Submitted in February of 2025 for FY26 funding**
  - Reviews are complete and award requests sent to NSSC
  - Notifications will come from NSSC

## NASA EPSCoR Basic Research Competition

- **FY 2026 Solicitation to be released in April; Proposals Due in June**
  - LA Pre-Proposal Competition in Progress: 10 proposals; reviews underway; panel selection in May
  - Cost-Share from Board of Regents in question
- **FY 2027 Solicitation anticipated to be released in July; Proposals Due in October**
  - Due to a short turnaround and potential cost-share concerns, we will likely select the FY27 proposal from this year's competition





# LaSPACE 2026 Community Meetings

## 2026 LaSPACE Quarterly Virtual Meeting Schedule (Tentative)

- **Quarter 1:** Monday, April 6, 2026 @ 3 pm
- **Quarter 2:** Friday, June 5, 2026 @ 3 pm
- **Quarter 3:** Friday, September 4, 2026 @ 3 pm

## 2026 LaSPACE Annual Meeting @ Tulane University in New Orleans

- Friday, November 13, 2026 – Saturday, November 14, 2026

### LaSPACE Meetings Landing Page

*Meeting Materials are usually posted here*

<https://laspace.lsu.edu/laspace-meetings/>





# Community Discussion



## ***Reminder!***

*All official communications (questions, requests, proposals, invoices, NCEs, etc) must be submitted to [laspace@lsu.edu](mailto:laspace@lsu.edu). We cannot guarantee any response when communications are submitted to individual LaSPACE staff members.*

