

**The Regents of the University of California (Davis) - UC Davis**

\*37877\*

## Internal Processing Form - Application for Grant, Contract, or Cooperative Agreement

Proposal No: 24-3271	Sponsor Deadline: 3/14/2024 16:00 Pacific
Parent Project: No Project Assigned	Clinical Trials: No
Proposal Type: New	Electronic: No (Sponsor website)
Instrument Type: Grant	Primary Administrative Contact: Krystal Scruggs
Admin Unit: 040270 - Physics	Affiliated Center/Institute:

Funding Agency: National Aeronautics & Space Administration (NASA)	ARRA Funded: No Answer
Sponsor Program Name: Swift Cycle 20 Guest Investigator Program	Contact Person: Krystal Scruggs
Opportunity/Sponsor Number: NNH23ZDA001N	Contact Phone: 530-752-4088
Prime Agency:	Contact Email: kjscruggs@ucdavis.edu

**Project Title**

HIGH-CADENCE UV LIGHT CURVES OF EXTREMELY YOUNG SUPERNOVAE

**Investigators/Research Team****Aravind Ravi - Lead Principal Investigator**

Sponsored Effort: 27.25%	Cost Shared Effort: 0%	Person Months: 3.27	Allocation of Credit: 100%
Dept No: 040270	Dept: Physics		

**Krystal Scruggs - Other Participant (no routing)**

Sponsored Effort: 0%	Cost Shared Effort: 0%	Person Months: 0	Allocation of Credit: 0%
Dept No: 040270	Dept: Physics		

**Falicia Savala - Other Participant (no routing)**

Sponsored Effort: 0%	Cost Shared Effort: 0%	Person Months: 0	Allocation of Credit: 0%
Dept No: 040270	Dept: Physics		

**Stefano Valenti - Other Key Participant**

Sponsored Effort: 0%	Cost Shared Effort: 0%	Person Months: 0	Allocation of Credit: 0%
Dept No: 040270	Dept: Physics		

**William Tuck - Other Participant (no routing)**

Sponsored Effort: 0%	Cost Shared Effort: 0%	Person Months: 0	Allocation of Credit: 0%
Dept No: 040270	Dept: Physics		

**John Otollo - Other Participant (no routing)**

Sponsored Effort: 0%	Cost Shared Effort: 0%	Person Months: 0	Allocation of Credit: 0%
Dept No: 040270	Dept: Physics		

**Budget**

Lead PI: Aravind Ravi

Sponsor: National Aeronautics &amp; Space Administration (NASA)

Budget Form Type: Summary

# of Budget Periods: 1

Comments:

Project Dates:	Current Period	Total Project
Start: 04/01/24		04/01/24
End: 03/31/25		03/31/25

**Cost Sharing**

Does this proposal include funds or contributions in the form of required cost sharing or required cash matching?

**For Internal Cost Sharing: please select "Intl Cost Sharing" as the unit, enter the total amount of all internal cost sharing for the Period and then for Project Total and upload the cost sharing commitment letter(s) in Proposal Attachments.**

No

#### F&A Rates

	Current Period	Total Project
F&A Rate (1):	60.000 %	60.000 %
F&A Rate (2):	61.000 %	61.000 %
F&A Rate (3):	0.000 %	0.000 %
Effective Rate:	60.751 %	60.751 %

#### Budget Categories

	Current Period	Total Project
<b>SPONSOR DIRECT COSTS:</b>	<b>\$ 24,821</b>	<b>\$ 24,821</b>
BASE for F&A Rate (1):	\$ 6,205	\$ 6,205
BASE for F&A Rate (2):	\$ 18,616	\$ 18,616
BASE for F&A Rate (3):	\$ 0	\$ 0
<b>INDIRECT COSTS (F&amp;A):</b>	<b>\$ 15,079</b>	<b>\$ 15,079</b>
<b>FEE:</b>	<b>\$ 0</b>	<b>\$ 0</b>
<b>TOTAL SPONSOR PROPOSED COSTS:</b>	<b>\$ 39,900</b>	<b>\$ 39,900</b>
Internal Cost Sharing:	\$ 0	\$ 0
Third-Party Cost Sharing:	\$ 0	\$ 0
<b>TOTAL PROJECT COSTS:</b>	<b>\$ 39,900</b>	<b>\$ 39,900</b>

#### Additional Resources

In addition to resources available in the administering unit (generally excluding recharge services), will you be using personnel, space, equipment or other resources? If yes, add them to the Investigator/Research Team page if possible. If not possible to add them there, mark yes and add them below.

No

No Answer Personnel

No Answer Space

No Answer Equipment

Please provide a brief explanation.

No Answer

#### Financial Conflicts of Interest in Research

##### 3. Please indicate concurrence with the statements below by selecting "Yes":

- I understand that I must complete the financial conflict of interest disclosure requirements for this project, as applicable.
- I certify that all necessary human subject, animal subject, and/or Environmental Health & Safety approvals have been obtained prior to conducting work that requires such approvals.
- I certify that funds will be available to cover the expenditures incurred for this project in the event that the Sponsor does not provide the funds requested.

Yes

#### Regulatory Compliance

Does this research involve **HUMAN SUBJECTS?**

No

Does this research involve **VERTEBRATE ANIMALS?**  
No

#### Hazardous Research Materials

Does the proposal involve research with any of the following? (please check all that apply)

- If "Biohazardous Materials>Select Agents and Toxins" is selected, then a Biological Use Authorization (BUA) is likely required. Please provide the **BUA number** in the **Proposal Attachment** section.
- If you would like more information on Biological Use Authorizations (BUAs), please visit the [UC Davis BUA webpage](#) or contact the Biological Safety Office at [biosafety@ucdavis.edu](mailto:biosafety@ucdavis.edu).
- Please note that the review process performed by the Biological Safety Office and the Institutional Biosafety Committee can take up to eight weeks.

No Answer Biohazardous Materials>Select Agents and Toxins (recombinant or synthetic nucleic acids, infectious agents, and human or non-human primate cells, tissues or body fluids) / (<https://www.selectagents.gov>SelectAgentsandToxinsList.html>)

No Answer Chemical Hazards (flammable, pyrophoric & water reactive chemicals, oxidizing/reducing agents, poisons, carcinogens, etc.) not including Biohazardous or Radioactive material

No Answer Human Anatomical Tissues or Specimens (requires preapproval from Anatomical Materials Review Committee ([AMRC](#)))

No Answer Nanomaterials

No Answer Radioactive Materials

Yes None

#### Subrecipients

None

#### Foreign Activity

1. Does the project involve conducting proprietary research with a potential military application?  
No

2. Does the project involve:

a. Sending, transporting, transmitting, or carrying any material or equipment outside the United States (examples include: computers, GPS, biologicals, diagnostic kits, reagents, or data)?

No

b. Travel outside the US by any research personnel? If the answer is yes, please attach a list of destination countries at the attachments tab on your proposal.

Yes

c. Importing, exporting, or transmitting any goods, services, technology, or funds to or from (or travelling to) any of the countries from the [OFAC list](#) (including, but not limited to Iran, North Korea, Syria, Libya, and Cuba)?

No

3. Some types of research may have export control implications even if all work is conducted within the U.S.

Do you anticipate that the project work may involve:

a. Non-commercial encryption or information security software?  
No

b. Any equipment, technology, materials or software specifically designed, modified, or adapted (even slightly) for a military purpose or that may involve national security?

No

c. Any classified materials, equipment, technology or data?  
No

#### Special Interest

1. Are [Human Stem Cells](#) involved in this proposal?  
No

2. Does this project involve the study, analysis, or use of any human fetal tissue, cells, and/or derivatives obtained from the process of elective abortions?  
No

3. Does this project involve scuba diving and/or operation of a boat?  
No

4. Does your proposal require acquisition of an HPC cluster or similar servers? If yes, please add a description on the Budget page under Additional Resources.  
No

5. Has the sponsor provided a draft agreement to fund this project? If so, please attach it on the Proposal Attachments page.  
No

6. Does this project involve Sustainability Research?

No

7. Is this proposal an SBIR (Small Business Innovative Research Program) or an STTR (Small Business Technology Transfer Program)?

**NOTE:** at least thirty percent (30%) of the work of the STTR must be performed at UC Davis.

No

### Additional Questions

1. Is this Proposal in response to a Limited Submission call?

No

No Answer In State

No Answer Outside State, but within US

No Answer Internationally

2. Do you anticipate having to lease new space to complete the activity described in this proposal? If so, please include in the Additional Resources on the Budget page.

No

No Answer In State

No Answer Outside State, but within US

No Answer Internationally

3. Does this Proposal anticipate use of a Garamendi facility?

No

No Answer In State

No Answer Outside State, but within US

No Answer Internationally

4. Did this Proposal benefit from RISE and/or IFHA support?

No

No Answer In State

No Answer Outside State, but within US

No Answer Internationally

5. Did this Proposal benefit from research generated from Academic Senate Faculty Grants (New Research Initiatives and Small Grants in Aid)?

No

No Answer In State

No Answer Outside State, but within US

No Answer Internationally

### 6. Health Relatedness

Please indicate the primary area of health relatedness that applies to your proposal.

No Answer

7. Please select additional areas that also describe your activity (check all that apply).

If you choose the primary area again in the drop-down list, that will be treated as "other".

No Answer Companion Animal Health

No Answer Food Animal Health

No Answer Environmental Health

No Answer Equine Health

No Answer Food Safety

No Answer Human Health

No Answer Wildlife Health

### Location of Sponsored Activities

Campus Locations	Percent Work
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Physics and Astronomy Building	(100.00%)
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Use of ORUs, SRPs, Core Facilities, and ANR	Percent Work
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none	
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Domestic Off-Campus Locations	Percent Work
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none	
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Out-of-Country Locations	Percent Work
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none	
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### Proposal Abstract

1. I give permission to make this abstract publicly accessible:  
Yes
2. Abstract:  
Yes, please see Scope of Work in the uploaded 'Budget Justification' document (Swift\_Phase2)
3. Animal Categories: Please indicate the applicable animal category in this proposal.  
No Answer

### Proposal Attachments

Document Name	Document Size	Document Type
PI by Exception Request Form_A Ravi.pdf	246KB	PI Exception
Swift_Phase2_Budget_draft.pdf	133KB	Budget Justification
Neil Gehrels Swift Cycle 20 Guest Investigator Program_Ravi.xlsx	227KB	Budget
2023196Pazhayath RaviALTR.pdf	207KB	RFP or Sponsor Guidelines, etc.

### Submission Notes

Recorded By	Recorded On	Note Area	Note Category	Note
Krystal Scruggs	03/11/2024	Proposal Submission		Please Note: Aravind Ravi, postdoc, will be the Lead PI for this last year of the project (please see attached PI Exception Form); Stefano Valenti is the Budget PI

### Certification

#### Investigator Approval

Investigator	Authorizing Person	Authorized On
Ravi, Aravind	Lead Principal Investigator	

#### Dean/Chair/Director Authorization

Department	Authorizing Person	Authorized On
Physics		