

# 2019-2020 Faculty Competition

## Research Infrastructure

Release Date: February 4, 2019



**Announcement for Faculty from:**

**University of Nevada, Las Vegas; University of Nevada, Reno;  
Nevada State College; College of Southern Nevada; Great Basin College;  
Truckee Meadows Community College; Western Nevada College;  
Desert Research Institute; Sierra Nevada College**

**Proposal Deadline: 5:00 pm PT, Monday, April 1, 2019**

**Webinar about this solicitation will be held Feb 12, 2019 at 12  
noon PT. Use this webex link to: [JOIN THE MEETING](#)**

Or call-in via 1-650-429-3300 with meeting number 289 653 991



National Aeronautics and Space Administration  
(NASA) Space Grant College and Fellowship  
Training Program Cooperative Agreement #:  
NNX15AI02H



## I. INTRODUCTION:

The Nevada Space Grant Consortium (NVSGC) seeks to develop a diverse and capable Nevada STEM workforce by providing funds for NASA-related faculty research and/or workforce development projects. Selected faculty projects will enhance Nevada's research infrastructure and/or provide STEM workforce development opportunities for students in topic areas such as: unmanned aerial systems, aeronautics (including high altitude balloon projects), planetary geology, astrochemistry, astrophysics, astrobiology, biodiversity/biology, new satellite data systems, remote sensing, sustainability, agricultural science, climate change, hydrological impacts under a changing climate, and STEM education. These funds should not augment existing funded research projects.

## II. PROPOSAL INFORMATION AND INSTRUCTIONS

### A. Eligibility:

- Faculty within any Nevada System of Higher Education Institution, particularly junior faculty, women, and members of other underrepresented populations are encouraged to apply.
- Faculty receiving direct funding **do not have to be U.S. citizens.**
- Faculty who currently have a NVSGC research infrastructure or NASA EPSCoR research sub-award/grant are not eligible until after the end of their project.
- **Faculty may only apply to the NVSGC Research Infrastructure or NV NASA EPSCoR RID Seed Grant solicitation, but not both during the same solicitation year.**

### B. Award: Funding Information

Depending on available funds, it is anticipated that 4 proposals will be selected for sub-awards. Project budget totals should not exceed \$49,000 (\$23K federal/\$26K state match). Matching funds will be provided by State Special Projects match. Each submitted proposal must include signed budgets from their institution and any collaborating campuses with the amount of the collaborators total budget listed under 1.A. Subcontracts on the NSHE budget form for the lead institution. Awards will be made to the lead PI and then their institution will sub-award funds to any collaborating NSHE institutions.

### C. Deadline:

The deadline for application submission is 5:00 pm Pacific Time, on Monday, April 1, 2019. Only applications for which all required materials have been received will be reviewed. Incomplete or late applications will NOT be reviewed.

### D. Award Obligations

Award recipients are required to prepare a progress and final report following NASA Space Grant guidelines. Detailed reporting requirements will be provided with award notification. Note: You will be required to prepare a brief progress report in January, a final report at the end of the project, provide demographic data about participants and prepare a project highlight for inclusion in an annual NASA Space Grant Congressional report.

Award recipients are also expected to attend and make a presentation at the annual Nevada NASA Space Grant/EPSCoR Statewide Meeting that alternates between Reno and Las Vegas. Travel for this meeting should be included in your budget.

## **E. Proposal Guidelines**

Proposals must be typed, single-spaced, and use an Arial/Calibri/Times Roman or similar easy-to-read 12 pt. font with numbered pages and 1 inch margins. The proposals should be written such that faculty from a diverse array of scientific disciplines would be able to understand the proposal goals, importance of the research and how the anticipated outcomes will benefit NASA, NV and NSHE. Review panel members will not all have specific expertise within the topic area of each proposal submitted.

### **1. Cover Page Form:** (form provided as “paperclip” attachment to this solicitation)

- Signature of Applicant
- Signature of Office of Sponsored Projects/Programs

### **2. Project Description** (limited to 5 pages)

Provide a concise description of the proposed research or workforce development activity, including the following:

- a. Summary of Project (500 words);
- b. Project goals, objectives and methods (tasks);
- c. Anticipated project products, i.e., publications, proposals, hardware, software, websites, etc.
- d. List of collaborators and expertise they will contribute (including any NASA scientists) Note: if applicable to the proposal, letters of support/collaboration should be included. Letters must be recent and dated within 45 days prior to the solicitation due date;
- e. Description of how the effort will contribute to the [NSHE Science and Technology Plan 2015](#) (attached) and/or the [State of Nevada’s Economic Development Plan](#) (attached) respectively; and
- f. Description of how the effort will align with the either or both the research priorities provided by the National NASA EPSCoR Program Manager (attached) and the [NASA Strategic Plan 2018](#) (attached). Clearly state how your proposed project is relevant to a NASA mission(s).

### **3. Budget and Budget Justification**

There is a state match requirement of \$26K with a federal portion of \$23K for a total funded amount of \$49K; note: depending on the availability of state matching funds, a revised budget with some level of institutional match may be required. Please calculate unrecovered F&A, as applicable, as part of the match. Please work with your campus Sponsored Programs Office/Business Managers to determine the budget including both Federal and state matching funds. A budget and budget summary are required and **must be completed using the template provided as attached to this solicitation.** Funds cannot be used for equipment or construction/remodeling of facilities, foreign travel, or for civil-service personnel travel.

The budget must be completed using the NSHE excel form attached. All dollar amounts must be discussed in the budget justification. Direct labor costs should be subdivided and listed by individual and/or titles or disciplines with hours, hourly rates, and total amounts of each. Proposed travel should include the number of trips, destination, duration, etc. The budget must include your institution's applicable F&A (indirect costs) for the federal portion of the budget. The budget(s) must be signed by the applicant (and collaborator) institution's Business Office/Office of Sponsored Projects.

All reasonable costs are allowable with the following exceptions:

- a. No foreign travel may be charged under this NVSGC award.
- b. No equipment may be purchased; this also includes computer equipment.
- c. Funds may not be used for construction or remodeling of facilities.

#### **4. NASA Funding History (limited to one page)**

Provide a detailed list of previous & current NASA funded projects for the lead PI. Include the title of the project, the project period, the funded amount, and project outcomes.

#### **5. References/Citations (no page limit)**

No page limit.

#### **6. Biographical Sketch or Curriculum Vitae**

Limited to two pages per person, including the PI and Co-PI(s) who have a major role in the project.

#### **7. Letters of collaboration from NASA Centers or industry**

Any NASA collaborators must provide letters of support and specifically state the contribution they will make. Letters must be recent and dated within 45 days prior to the solicitation due date.

### **III. SUBMISSION GUIDELINES:**

Proposals will be accepted until **5:00 pm PT, April 1, 2019**. Proposals must be submitted by the institution Sponsored Programs Office or appropriate Authorized Official. Upload your proposal using the online form as one PDF document at:

<https://nasa.epscorspo.nevada.edu/funding/2019-2020-nvsgc-research-infrastructure/>

The email subject line and the pdf application document should be specific to each applicant and labeled: **PI Last Name\_First Name\_NVSGC\_RI**. Submissions that are incomplete will not be reviewed and no late submissions will be accepted.

All required submission forms are "paperclip" attachments to this solicitation. You must download and open through Adobe Acrobat to be able to see them.

#### **IV. EVALUATION AND AWARD CRITERIA:**

The screening and selection process will include an internal NSHE faculty review panel that will focus on the following criteria:

- Clear benefits to enhancement of NV’s STEM research infrastructure and alignment with NSHE Science and Technology and Nevada’s Economic Development Plan.
- Quality of the research proposal as evidenced by:
  - a. Well defined research goals/objectives
  - b. Clearly defined methods that adequately address the objectives
  - c. Demonstrated ability of faculty to conduct the anticipated work
  - d. Anticipated products and/or outcomes are defined; including publications, presentations and proposal development plans are addressed.
  - e. The proposal is written so that individuals from any STEM background can readily understand the importance of the research and that the methods will adequately address the project goals and/or objectives.
- Alignment with NASA Strategic Plan goals. NASA relevance is particularly important and should be clearly defined.
- Budget is appropriate for scope of work.
- If applicable: NASA support/collaboration is well defined with letter defining level of support and the student participation plan is appropriate and includes outreach to students from under-represented groups.

#### **V. CONTACT INFORMATION:**

**Gibran Chavez-Gudino**

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More information about NV Space Grant may be found at:  
<https://nasa.epscorspo.nevada.edu/>