

## Science, Technology and Education

### Award Autogenerated Code

10429-PM

### Region

Western Hemisphere

### Country

Panama

### Award Type

Fullbright Scholar Award

### Number of Recipients

Approximately 1

### Teaching or Teaching/Research Award (Assistant Professor or Below) Monthly Stipend and Allowances

\$4,940-\$5,390

### Teaching or Teaching/Research Award (Associate or Full Professor) Monthly Stipend and Allowances

\$5,160-\$5,610

### Estimated Travel and Relocation Allowance

\$2,550-\$4,950

### Estimated Book and Research Allowance

\$1,000 books and educational materials allowance; should be donated to the host institution (or other entity) upon grantee's departure.

### Candidate Profile

Professionals

Academics, all levels including early career

### Activity Type

Research

Teaching

Teaching/Research

### Application Deadline

Closed

### Award Activity

For teaching/research projects, candidates should plan a 60/40 ratio of teaching to research. Scholars may also engage in visiting universities and public and private institutions related to their topic of interest.

### Award Length

Four to nine months

### Award Dates

August 2022 and later; start date varies with institution.

All Scholars to Panama are required to attend a pre-departure orientation, which typically takes place in late June in the United States, prior to beginning their Fulbright grant.

### Locations

Any public or private institution in Panama, except in the Darien for security reasons.

Specific requests are associated with the following institutions (this list is not exhaustive):

1. University of Panama (UP): Dept of Biochemistry, Food/Nutrition Lab, Main Campus, Octavio Mendez Pereira
2. Universidad Tecnologica de Panama (UTP):
  - a) School of Electrical Engineering, Panama City
  - b) School of Mechanical Engineering, Panama City

c) Azuero University Clinic, Azuero Campus

3. Universidad del Istmo <sup>[1]</sup>

4. Universidad Marítima Internacional de Panamá: Particularly for candidates in areas related to Marine Science, maritime transportation or marine biology (ecotourism), environmental protection, meteorology.

**Flex Option**

No

**Discipline Type**

Only applications in the following disciplines will be considered

**Disciplines**

Agriculture  
Astronomy  
Biology  
Chemistry  
Computer Science  
Education  
Engineering  
Environmental Sciences  
Geology  
Information Sciences/Systems  
Materials Sciences  
Mathematics  
Medical Sciences  
Neuroscience  
Nursing  
Nutrition  
Oceanography  
Paleontology  
Pharmacology  
Physics  
Psychology  
Public Health

**Areas of Interest**

Applications are sought in all science and technology fields. In addition, the following institutions have made specific requests:

1. UP: Chemistry/Biochemistry. Teaching/Research; four to six months. Conduct research on carotenoids in the prevention and treatment of diseases, teach a biochemistry course at post graduate level and serve as a guide/mentor for thesis orientation (work with Dr. Murillo). Must have experience in the analysis of carotenoids in biological samples and interpretation of the results.

2. UTP:

- Electrical Engineering. Teaching/Research; nine months. Intelligent Electrical Networks (Smart Grid). In collaboration with local professors, scholar will organize an Intelligent Electrical Networks (IEN) certificate program, a feasibility study in IEN implementation in the local market, collaborate on IEN research projects, offer a masters course on a topic of expertise and offer training for professors and researchers on developing research proposals with external funds.
- Renewable Energy and Environment. Teaching/Research; six months. Scholar will offer courses and seminars, support the department's research and assist with doctoral program evaluation. Also participate as a speaker at the Panama Mechanical Engineering Conference and on some regional campuses.
- Electronic Health. Research; four to six months. Information Technology specialist will work with Azuero Electronic Health Group, Azuero University Clinic doctor and area doctors to implement two pilot test projects: Medical Archive Systems and Telemedicine. Both will be implemented in Azuero University Clinic in conjunction with University Clinic of Panama. Lead researcher Miguel Vargas PhD, REDISAE coordinator Electronic Health Research Network, UTP with Engineer Maritza de Moreno, Research Coordinator, Azuero.
- Efficient and safe handling of pesticides in agriculture
- Design for efficient use of space and safety of chemical and microbiological testing laboratories
- Estimation of the uncertainty of the measurement in chemical tests

Efficient evaluation of wastewater treatment systems

3. U. del Istmo: For candidates with expertise in cybersecurity (virtual program with open software) to update students and carry out research on the private sector/ Candidates with expertise on research and the necessary software to teach Industrial

engineering in virtual format.

4. Universidad Marítima Internacional de Panamá: Particularly for candidates in areas related to Marine Science, maritime transportation or marine biology (ecotourism), environmental protection, meteorology.

### Special Features

Host institutions will assist grantee in locating housing and will provide office and laboratory space, as well as internet and archive access necessary for the project.

### Degree Requirements

Ph.D. (or other terminal degree) required

### Additional Language Requirement

Applicants should have the proficiency sufficient to complete the proposed project. All applicants, except for those claiming native-level fluency, must submit a language evaluation.

Applicants affiliating with specific institutions (listed below) have varying language requirements as outlined:

1. UP: Spanish fluency is **preferred** but not required. Language of instruction is English.
2. UTP: Spanish fluency is **required** for the Electronic Health opportunity and for the Industrial Analysis and Environmental Sciences (the last three topics). Basic Spanish is desirable but not required for the other opportunities at UTP.
3. U. del Istmo: Spanish fluency is **preferred** but not required.

### Invitation Requirement

A letter of invitation is optional.

### Additional Comments

Applicants should contact the host institution for further information:

UP <sup>[2]</sup>: Dr. Enrique Murillo <sup>[3]</sup>, Phone: (507) 523-6227; Cell: (507) 6515-5098;

UTP <sup>[4]</sup>:

- Dr. Carlos Medina <sup>[5]</sup>, Vice Dean of Research, Postgraduate School, Phone: (507) 560-3044;
- Maytee Zambrano <sup>[6]</sup>, Research Coordinator; Phone: (507) 560-3061;
- Ronald Barazarte <sup>[7]</sup>, Professor/Researcher; Phone: (507) 560-3044;
- Professor Julio Rodríguez <sup>[8]</sup>, Phone: (507) 560-3083; Cell: (507) 6644-7763;
- Professor Mirtha Moore <sup>[9]</sup>, Phone: (507) 560-3082;
- Maritza de Moreno <sup>[10]</sup>, Research Coordinator, Azuero Campus, Phone: (507) 966-8851, (507) 966-8452; Cell: (507) 6472-6346;
- Dr. Cecilio Hernández, Jefe del Laboratorio de Análisis Industriales y Ciencias Ambientales. 290-8427 / 26 [cecilio.hernandez@utp.ac.pa](mailto:cecilio.hernandez@utp.ac.pa) <sup>[11]</sup>

Universidad del Istmo <sup>[1]</sup>: Adriana Angarita <sup>[12]</sup>, Rector

Applicants interested in **Universidad Marítima de Panamá** should contact:

Haydeé Billingslea | [hbillingslea@umip.ac.pa](mailto:hbillingslea@umip.ac.pa) <sup>[13]</sup> | International affairs Office

Capitan Julio Bonilla | [jbonilla@umip.ac.pa](mailto:jbonilla@umip.ac.pa) <sup>[14]</sup>

Sarah Ferguson de Cano <sup>[15]</sup>, Established Opinion Leaders Specialist, Public Affairs Section; phone: (507) 317-5196

### Helpful Links

<http://www.utp.ac.pa/> <sup>[16]</sup>

<https://www.up.ac.pa/> <sup>[17]</sup>

<https://www.udelistmo.edu/> <sup>[1]</sup>

<https://www.umip.ac.pa/> <sup>[18]</sup>

## Multi-Country/Area Award

No

### Award Length Filter

Three to five months

Six to 10 months

### Award Code

12454-PM

### AddThis

### Award Year

[2022-2023 Awards](#) <sup>[19]</sup>

### Special Award Benefits

During their grant period, Fulbright U.S. Scholars in the Western Hemisphere (WHA) region may apply for a short-term regional travel grant for activities such as workshops, seminars, presentations, lectures, performances, exhibits, curricular advising, and similar projects, at institutions in eligible WHA countries (Argentina, Bahamas, Barbados and Eastern Caribbean, Belize, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Guyana, Haiti, Honduras, Jamaica, México, Panama, Paraguay, Peru, Suriname, Trinidad & Tobago, and Uruguay). The Regional Travel Program covers travel to and from the destination; lodging may be offered by the hosting institution. Scholars may only apply for this grant once in country on their Fulbright grant. Scholars who apply for the Flex award are ineligible for the Regional Travel Program. Additional information can be found at the [Regional Travel Program website](#). <sup>[20]</sup>

### Language Proficiency Requirements

Required

### Required Proficiency

Beginner

### Required Languages

[Spanish](#) <sup>[21]</sup>

### Career Profile

Early Career Academics

Mid-Career Academics

Professionals

Senior Academics

### Scholars selected for this award can choose to:

- Assist in faculty, curriculum, and/or program development
- Conduct a research project designated by the host institution
- Teach graduate and/or undergraduate courses of the applicant's choosing

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### Links

[1] <https://www.udelistmo.edu/>

[2] <http://www.up.ac.pa>

[3] <mailto:emurillo29@hotmail.com>

[4] <http://www.utp.ac.pa>

[5] <mailto:carlos.medina@utp.ac.pa>

[6] <mailto:maytee.zambrano@utp.ac.pa>

[7] <mailto:ronald.barazarte@utp.ac.pa>

[8] <mailto:julio.rodriquez@utp.ac.pa>

[9] <mailto:mirtha.moore@utp.ac.pa>

[10] <mailto:maritza.cedeno@utp.ac.pa>

[11] <mailto:cecilio.hernandez@utp.ac.pa>

[12] <mailto:aangarita@udelistmo.edu>

[13] <mailto:hbillingslea@umip.ac.pa>

[14] <mailto:jbonilla@umip.ac.pa>

[15] <mailto:fergusons2@state.gov>

[16] <http://www.utp.ac.pa/>

[17] <https://www.up.ac.pa/>

[18] <https://www.umip.ac.pa/>

[19] <https://awards.cies.org/award-years/2022-2023-awards>

[20] <http://www.fulbright.org.uy/regional-travel-program/>

[21] <https://awards.cies.org/language/spanish>