

# OVERVIEW OF THE TCUP HUB

Unlocking Opportunities by Expanding STEM  
Capacity and Networks through the TCUP Hub

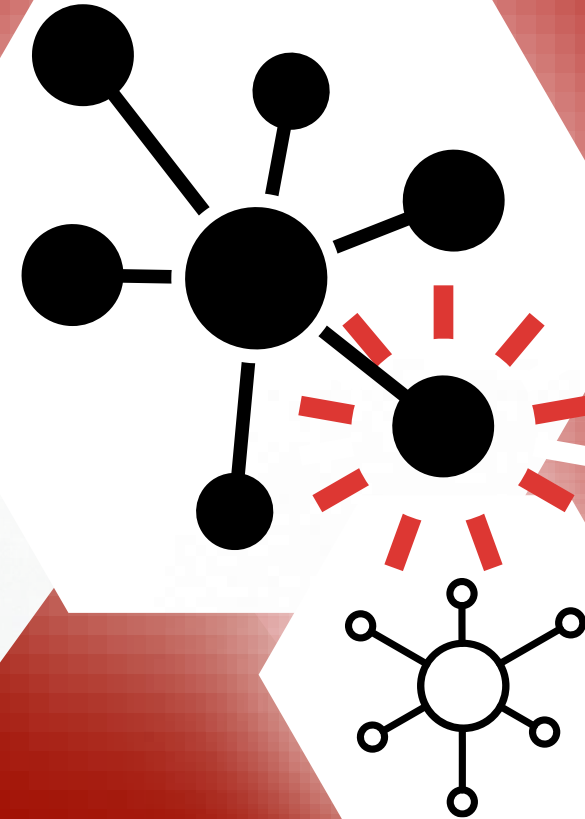
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UNITED TRIBES  
TECHNICAL COLLEGE

# Professional Development

NSF TCUP has provided prior support for professional development, most frequently workshops on **Grant Management** and **Proposal Writing**.

While we will continue to offer workshops in these areas, the longer-term structure of the TCUP Hub allows for more expansive range of professional development based on the needs of the community. One goal of this Leaders' Forum is for you to help identify these needs and the types of workshops we should develop.

Based on the information you provided during the registration process and other conversations, these may include:

## **STEM Strategic Planning**

### **Program Development**

This could be in support of a SIG or technical assistance focused on starting a new degree, especial if at a new degree level for the institution

### **Sponsored Programs**

### **Institutional Research**

### **New Technologies or STEM Skill Sets**

Learn how to use/teach with a specific AI tool, how to enhance your research with python, learn more about UG 100 Solaris (Ultima Genomics)



# Professional Development

To maximize relevance workshops will be developed based on your input and whenever appropriate will utilize current and former members of the TCUP community.

Professional development opportunities are one of the support mechanisms for SIGs.

Unlike technical assistance which general has a narrow scope and addresses the needs of an individual or a single institution, these workshops will be designed for a larger number of participants from multiple TCUP institutions.



# Leadership Academy

Based on the model developed by QEM, this would be multi-month academy with both in-person workshops and online components.

The Leadership Academy will support aspiring and new principal investigators and project directors.

Experienced TCUP Leaders' will be recruited to be presenters and assist with other aspects of the academy.

Plans are to implement this component in the second or third year of the project.

## Primary Components of the Leadership Academy

- Program and Institutional Leadership**
- Strategic Planning**
- Project Design**
- Proposal Writing**
- Implementation & Grant Management**
- Dissemination & Reporting**

# TCUP FELLOWS

**Purpose: Provide a mechanism for gaining a deeper understanding of the opportunities, merit review process, and roles of program officers at NSF (or another federal agency), while increasing agency's knowledge of TCUP institutions.**

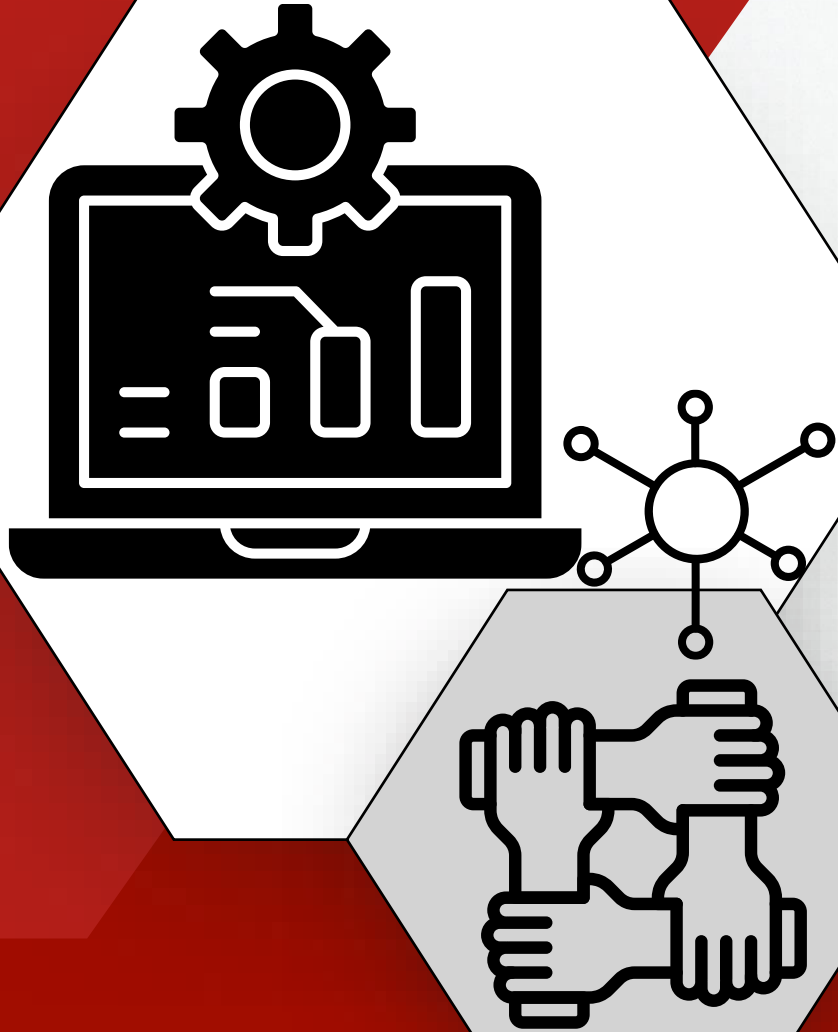
**Shorter term appointments with agencies to expand access of rotator experience to more TCUP-institution staff.**

**2-3 months, summer?**

**Support for fellowship stipend, travel expenses, housing allowance.**



# Technical Assistance



- **Proposal Support**
- **Networking & Mentoring**
- **Professional Development**
- **Rapid Response**
- **Curriculum Support**
- **Fellowships**
- **Research Support**
- **Hawai'i Mini-Hub**

# Rapid Response Teams

The development of Rapid Response Teams is one of the newer strategies being developed by the TCUP Hub to support our community.

(Ask for a Volunteer Administrator)

**Question**: how many people within your institution have successfully written a major STEM proposal?

**Question**: how many people within your institution have managed a major STEM award?

**Question**: what is your assessment of the depth of your institution's sponsored programs and fiscal management capabilities?

# Rapid Response Teams

**Question:** are you confident that you will be able to quickly replace one of your key personnel with a highly qualified individual?

- Will this new person need technical assistance and is that available within your institution?
  
- Short-term, targeted support
- Institutions facing challenges resulting from loss of key personnel or other unexpected transitions
- Develop a list of highly experienced individuals within the community to serve as consultants
  - Paid by the TCUP Hub
  
- Answer to why I help others with their proposals, etc.

# TCUP SIGs (Special Interest Groups)

**Purpose: Provide support and facilitation for gathering together those interested in a specific topic with the potential to develop something larger for the TCUP community.**

**Must have a unifying theme, collaborators from multiple TCUP institutions, and plans to address an area of research, shared curriculum, policies, etc.**

**Discuss intentions with TCUP Hub staff.**

**Short application for funds, with goals for moving the topic forward and seeking additional funding, if applicable.**

**Support for convening, workshops, consultants, etc. to start**

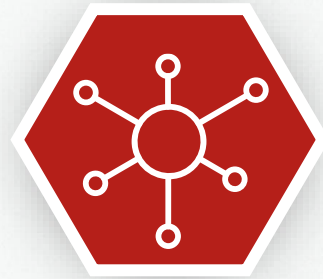


# Hawai'i Mini Hub



## Unique Geographic Context

Geographic distance and distinct institutional structures from other TCUP-eligible colleges



## Commonalities

Common culture, governance, and shared priorities across Hawai'i institutions



## Alignment

Advances Native Hawaiian success in learning, teaching, service, and research in alignment with the University of Hawai'i Strategic Imperative to fulfill kuleana (responsibility) to Native Hawaiians and Hawaii

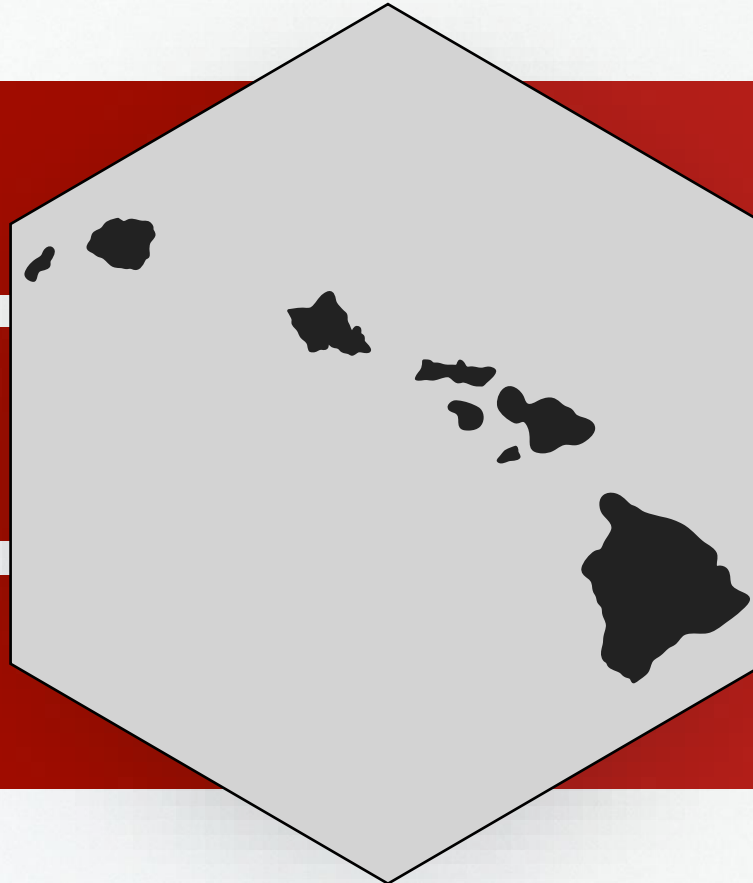
# Hawai'i Mini Hub

## Functions and Benefits

Deliver local capacity-building workshops tailored to Hawai'i's context and processes

Facilitate efficient communications with national Hub

Support training in place-based, culturally relevant STEM education and research



Provide small awards to faculty and student research projects

Strengthen institutional participation in NSF TCUP

Expand local engagement