

**California State University Interagency Grant Award**

Award# 132597-SG-2023-1, **San Francisco**

This Interagency Grant Award is issued by the California State University, Chancellor's Office, ("CSUCO") Sponsored Programs Administration on behalf of the California State University, Chancellor's Office Affinity Group, STEM-NET to **San Francisco State University** on behalf of Principal Investigator, **Dr. Charmayne Hughes** and the Department of Kinesiology, in collaboration with co-PI, Dr. Xiaorong Zhang (Computer Engineering), Dr. Zhuwei Qin (Computer Engineering), and Dr. Laura Mamo (Public Health).

This CSU Interagency Award provides state funds to campuses in support of the STEM-NET Faculty Interdisciplinary Collaborative Research SEED Grant Program (2022/23). Therefore, the awarded campus must adhere to the following fiscal and program conditions for the CSU to comply with funding mandates.

**Award Amount, Performance Term, and Award Budget**

The total Award Amount is **\$25,000** which is to be expended in accordance with the Award Budget. The term for this funding is **January 1, 2023**, through **December 31, 2023**, with no extension granted unless approved by the Executive Director of STEM-NET and the CSUCO, Director for Sponsored Programs Administration.

Award Budget:

Student researchers: \$18,000  
Supplies: \$1,000  
Participant Support: \$4,000  
Publication expenses: \$2,000  
**Total Award Amount: \$25,000**

The campus will receive funds by Interagency Financial Transaction (IFT) request. These awarded funds require recording revenue and expenses in a unique fund or with other identifiable coding to identify these funds for a specific purpose. Further, these funds must be identified using FNAT 132597, made available across fiscal years; and are not to be swept at the end of any fiscal year.

Unspent funds are to be returned to the CSUCO within 6 months following the award's end date.

**Scope of Work**

The Proposal entitled, "Development of a physical frailty assessment system through a socio-technical lens" is incorporated as Attachment A and represents the approved Scope of Work for this funded project.

**Reports**

All reports are to be sent to:

Dr. Frank A. Gomez, [fgomez@calstate.edu](mailto:fgomez@calstate.edu)

**with a copy to:**

Ms. Monica Alarcon, [malarcon@calstate.edu](mailto:malarcon@calstate.edu)

**and**, Sponsored Programs Administration, [spa@calstate.edu](mailto:spa@calstate.edu)

**Programmatic Reports:**

The Principal Investigator is required to submit a final report within 90 days of the project's end date.

Other deliverable: a complete external grant submission is to be provided to STEM-NET on or before 7/1/2024.

**Financial Reports:**

A financial report is required. The financial reports, at minimum, are to include a system generated transaction detail report for all costs applied to the grant.

A final Financial Report is due within 60 days following the end date of the grant.

Conditions

1. All project expenses must be in support of the STEM-NET Grant Award to meet the objectives of the approved Scope of Work, herein. No deviation is permitted without prior approval from the CSUCO. Any expenses that do not meet these criteria are unallowable costs. Costs determined to be unallowable must be credited back to the grant or returned to the CSUCO if the grant period is expired.
2. All funded activity and expenses are subject to applicable laws (federal and state) and CSU and campus policies and procedures.
3. If the Principal Investigator changes, the campus must provide the CSUCO Program/Technical Contact with the name of the new Principal Investigator assigned. The Principal Investigator is the primary individual responsible for programmatic and fiscal oversight of this award.
4. The act of the campus establishing an account for these Interagency Grant Award funds and applying costs to the account, is a confirmatory act that the campus Financial Contact and the Principal Investigator understands the limited purpose of these funds and will only approve activities and allowable expenses in accordance with the terms and conditions of this award. Furthermore, the Principal Investigator agrees to satisfy the reporting requirements described herein or otherwise provided by the CSUCO. If the Financial Contact or Principal Investigator has any questions regarding their responsibility, they must, without delay, seek clarification from the Executive Director for STEM-NET.
5. All Program and Financial inquiries should be directed to the appropriate CSUCO points of contact referenced below.

POINT OF CONTACT – CAMPUS AND CSUCO

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***Campus Principal Investigator***

Dr. Charmayne Hughes  
Title: Professor  
Phone:  
Email: [cmhughes@sfsu.edu](mailto:cmhughes@sfsu.edu)

***Campus Financial Contact***

Ruth Cortez  
Phone: 415-338-3329  
Email: [rovalle@sfsu.edu](mailto:rovalle@sfsu.edu)  
Chartfield String: **NR401 3077**  
**FNAT Key #132597**

***CSUCO Program/Technical Contact***

Frank A. Gomez, PhD  
Executive Director, STEM-NET  
(562) 951-4774  
[fgomez@calstate.edu](mailto:fgomez@calstate.edu)

***CSUCO Financial Contact***

***Sponsored Programs Administration, Systemwide***

Ana Aguirre, Assistant Director  
(562) 951-4320  
[aaquirre@calstate.edu](mailto:aaquirre@calstate.edu)

## Attachment A


**Development of a physical frailty assessment system through a socio-technical lens**

**Project Team:** Charmayne Hughes (Kinesiology), Xiaorong Zhang (Computer Engineering), Zhuwei Qin (Computer Engineering), Laura Mamo (Public Health)

**Objective:** This proposed project seeks to assess a low-cost and mobile assessment model for the medical designation of "frailty" in older adults. The research proposes a multidisciplinary team of engineering, kinesiology, and social science scholars to examine the technological alternative to what is currently an expensive, clinic-based, and medical-focused approach to frailty assessment. Instead, we will build an alternative technology that begins with technical as well as social and ethical aspects of product design.

**Budget and Justification:** \$25,000 is requested to fund this research project. \$18,000 is requested to fund four graduate/undergraduate student researchers (\$4,500 each), \$4,000 is requested for participant remuneration (100 participants x \$40), \$2,000 is requested to cover publication expenses to open-source peer-reviewed journals, and \$500 is requested to purchase supplies and materials to develop the experimental test setup to validate the desired functionality of the system.

**Recommended funds:** NR201 3077, NR401 3077

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Co PI Zhang	DocuSigned by:  415C569D60D04B7...	Date <u>10/27/2022   8:37 PM PDT</u>
Co PI Qin	DocuSigned by:  FF7060FAB3764D4...	Date <u>10/27/2022   9:07 PM PDT</u>
Co PI Mamo	DocuSigned by:  124391A1A89F4AA...	Date <u>10/28/2022   1:11 PM PDT</u>
HEI Interim Director	DocuSigned by:  124391A1A89F4AA...	Date <u>10/28/2022   1:11 PM PDT</u>
CHSS Dean	DocuSigned by:  C210647DD5A94BE...	Date <u>10/28/2022   2:58 PM PDT</u>
CoSE Dean	DocuSigned by:  B3A09FB5917A4A6...	Date <u>10/30/2022   5:25 PM PDT</u>