

# CLAS New Sponsored Awards: Quarterly Report Oct 1 - Dec 31, 2018

**DEPARTMENT:**

**Anthropology**

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**Jung, Yuson**

**Sponsor: Hearst**

**Reported Amount**

**\$40,670**

Confidence Behind the Wheel: An Ethnographic Study on Safety Technology User Experience (UX)

An ethnographic study of the meaning and values drivers attribute to safety technology. Eight graduate students will be trained in ethnographic research techniques.

Equipment Budgeted

Grad Students Budgeted

Number of Grad Students:

8

**Total number of awards for Anthropology (1 detail record)**

**Awarded amount for quarter:**

**\$40,670**

**DEPARTMENT:**

**Chemistry**

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**Chekmenev, Eduard Yurjevich**

**Sponsor: U.S. Department of Defense - DOD** **Reported Amount** **\$761,154**

Low-Cost, High-Throughput 3D Pulmonary Imager Using Hyperpolarized Contrast

Follow on effort to develop technologies that enable high-throughput, low-cost functional 3D MRI of lung disease biomarkers for asthma, COPD, Gulf War Illness, and other lung-related diseases by use of gas contrast agents and hyperpolarization equipment.

Equipment Budgeted  Grad Students Budgeted  Number of Grad Students: 0

**Total number of awards for Chemistry (1 detail record)**

**Awarded amount for quarter:** **\$761,154**

**DEPARTMENT:**

**Communication Sciences & Disor**

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**Ou, Hua**

**Sponsor:** American Speech Language Hearing Foundation      **Reported Amount**      **\$25,000**

Will optimized written instructions be as effective as audiological service for OTC hearing device users?

The objective of this research is to identify key factors that help effectively implement instructions for OTC hearing device users without audiological service. The study will use a single-blind, prospective, randomized parallel group design. Adults with mild-to-moderate hearing loss will be recruited.

Equipment Budgeted          Grad Students Budgeted          Number of Grad Students:      0

**Total number of awards for Communication Sciences & Disor (1 detail record)**

**Awarded amount for quarter:**      **\$25,000**

**DEPARTMENT:**

**Physics**

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**Llope, William Joseph**

**Sponsor: Brookhaven National Laboratories - BNL**

**Reported Amount**

**\$20,000**

sPHENIX TPC Detector Upgrade at RHC

This work involves the initial design and prototyping of fixtures for the HV testing and framing of the GEM detectors as part of the sPHENIX Time Projection Chamber main particle tracking device.

Equipment Budgeted

Grad Students Budgeted

Number of Grad Students: 0

**Total number of awards for Physics (1 detail record)**

**Awarded amount for quarter:**

**\$20,000**

**DEPARTMENT:**

**Psychology**

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**Lumley, Mark A.**

**Sponsor: University of Southern California - USC** **Reported Amount** **\$35,885**

Development and Preliminary Testing of Novel Virtual Human-Assisted Psychosocial Interviews for Patients with Chronic Musc

This is an NIH-funded collaboration with University of Southern California to develop assessment and experiment protocols, particularly virtual human responses.

Equipment Budgeted  Grad Students Budgeted  Number of Grad Students: 0

**Trentacosta, Christopher Joseph**

**Sponsor: New York University** **Reported Amount** **\$82,903**

In Utero Assessment of the Human Neutral Connectome and Later Child Behavior

This is a longitudinal research project to examine in utero fetal brain neural development features that predict self-regulation outcomes in early childhood.

Equipment Budgeted  Grad Students Budgeted  Number of Grad Students: 0

**Total number of awards for Psychology (2 detail records)**

**Awarded amount for quarter:** **\$118,788**

**DEPARTMENT:**

**CLAS New Sponsored Award Total:**

**\$965,612**