

Instructionally Related Activities Funds Request Spring 2019

▼ Submitter

Submitter Name

Brian Thoms

Submitter Email

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▼ 1. Basic Details

Activity Title

Computer Science Seminar Speaker - Dr. Nathan Botts

Activity/Event Date

March 12, 2019

Date Funding Needed By

March 12, 2019

Previously Funded?

- ☒ No
☐ Yes

Additional Proposers

Academic Program(s)/Center Name(s)

Computer Science

Estimated total Course Fee revenue

NA

Amount Requested from IRA

650

Estimated Number of Students Participating

24

▼ 2. Brief Activity Description

Describe the activity and its relationships to the educational objectives of the students' program or major

Brief Activity Description

Funds from this IRA will support an honorarium to host Dr. Nathan Botts, Senior Study Director at Westat. Dr. Botts is an experienced health IT professional with a demonstrated history of working in the health informatics research and development industry. He is skilled in Healthcare Consulting, Data Analytics and Visualization, Program Evaluation, Project Management, and HL7 Standards.

Throughout the semester, the CS Seminar Series hosts cutting-edge researchers and practitioners across the tech industry. Open to members of the CI community, Dr. Botts' talk will be titled, "Leveraging the Blockchain to Increase the Value of Patient Generated Health Data." The abstract is as follows:

In recent years, there has been a steady proliferation of personal health and fitness related devices (e.g. FitBit, Apple Watch, etc.) that monitor and report various aspects of our physical and mental health. These devices continually monitor, track, analyze, and report on an individual's health and within the medical context is often referred to as Patient Generated Health Data (PGHD). The value that PGHD can provide toward better understanding of an individual's longitudinal health profile and social determinants of health is increasingly being recognized in the medical research literature. Effective use of this data by a provider or insurer, however, requires many facets to be coordinated, and include technical interoperability, usability within the clinical information workflow, and the trust that this data is meaningful. Blockchain technologies offer the ability to address each of these aspects in unique ways and offers the opportunity to increase the value of PGHD and our investments in these powerful tools.

▼ 3. Learning Outcomes and Relation of IRA to Course Offerings

All IRAs must be integrally related to the formal instructional offerings of the University and must be associated with scheduled credit courses.

1. Please list all classes that directly relate to the proposed activity.
2. For each class listed, describe in detail how exactly the IRA activity will be integrated with the class's activities, how often/ on what expected date(s), and to what extent

Learning Outcomes and Relation of IRA to Course Offerings

In his talk, Dr. Botts will discuss current trends in healthcare IT, including timely topics such as cloud computing, IoT and blockchain technologies. These courses relate to a wide range of CS / IT courses, but also intersect healthcare, business and communications fields. Specific CS / IT courses include:

IT 152 - Programming for Health Informatics
IT 402 - Advanced Web Programming
IT 403 - Advanced Programming for Health Informatics
IT 428 - Computer Networks for Health Informatics
COMP/IT 429 - Computer Networks (Cross-listed as COMP 429)
COMP/IT 420 - Database Systems
COMP 449 - Human-Computer Interaction (Cross-listed as PSY 449)
COMP 478 - Introduction To Data Mining

▼ 4. Activity Assessment

Describe the assessment process and measures that the program will use to determine if it has attained its educational goals.

Please note that a report will be due at the end of the semester.

Description of Assessment Process

Students in attendance will be asked to complete a short questionnaire summarizing Dr. Botts' talk and how it relates to their experience at CI including courses taken and career prospects. Students will also be encouraged to reflect on how advances in healthcare technology is effecting their personal health, if at all.

▼ 5. Activity Budget

Please enclose a complete detailed budget of the entire activity. Indicate specific items that you are requesting IRA to fund.

You should use either the Regular Activity budget (for events on campus) or -- if your event involves any travel-- you MUST use the IRA Travel Budget Form.

You can download both of the IRA Excel Budget sheets at <http://www.csuci.edu/ira/application.htm>.

Activity Budget

[IRABudgetFormSpeakerNathanBotts2.xlsx](#)

▼ 6. International Trips

If your event is an international trip submitted through the Center for International Affairs, you must include copies of:

1. Complete Center for International Affairs/ UNIV 392 proposal
2. The program budget as submitted to the Center for International Affairs (to ensure congruency between the two budgets)
3. as well as a copy of the course syllabus

Center for International Affairs Budget

Copy of Center for International Affairs Proposal

Course Syllabus

Certification

☒ I certify that students attending this trip are not previous or repeat attendees of a prior International UNIV 392 Trip

▼ 7. Sources of Activity Support

Please list the other sources of funding (including course fees), and exact expected amounts of additional support for the activity. Please indicate if there are no other sources of funding

Other Sources of Funding

This invitation is solely depended on IRA funding and no other sources of funding at this time.

▼ 8. Promoting Participation

What is your intended audience and how do you intend to market this to your students?

The intended audience are masters level students currently enrolled in graduate seminar as well as undergraduate students in CS / IT and members of CI interested in healthcare IT. Marketing will take place through flyers, email blasts and the department website, as is currently done for CS seminar announcements.

If this is an event that is off campus, how do you plan to bring back the benefit of this event to campus?

This is an on campus event.

▼ 9. Sustainability

If appropriate, indicate how the content or delivery of the project promotes sustainability at CI.

Sustainability

This IRA proposal does not currently relate to sustainability efforts.

▼ 10. Approval and Acknowledgement

Program Chair/Director

Soltys, Michael

Dean

Adler, Mary

Conditions and Considerations

☒ **Artist/Performer/Speaker Fees & Honoraria:** On the Activity Budget, please indicate whether the vendor's price was set by you/CI Representative, or is a fee that was set by the vendor.

☐ **Large Event:** For a large event, consultation with the campus Event Coordinator's office at (805)437-8548 is required.

☐ **Field Trip:** Sponsor must comply with all policies found at:

<http://www.csuci.edu/rm/programs/academic-field-trip-guidelines-and-forms.htm>. If approved, Identified Risks of Participation and Release Agreement must be submitted for each student to the Program Office (Public Folders-HR Forms).

☐ **Involves Human Subject Data Collection for Public Dissemination -Requires IRB Approval :** If Project Sponsor proposes to conduct research with human participants, the proposal may be subject to Institutional Review Board for the Protection of Human Subjects (IRB) review. All research that involves any type of interaction with human subjects - from simple surveys to complex biomedical procedures - must be reviewed and approved by the IRB prior to starting the research. Data for "Public Dissemination" indicates interviews/surveys that result in a journal/poster session/newsletter, etc.

☐ **IT Requirements:** If your activity has IT requirements, coordination with and approval from IT Administration is required.

☐ **International Travel:** Requires International Travel application be submitted to Center for International Affairs. Include copy of CIA budget and course syllabus in your IRA application. Must utilize the University's Foreign Travel Insurance Program (FTIP) and follow all International Travel Guidelines listed at: <http://www.csuci.edu/rm/insurance/foreign-travel.htm>

☐ **Risk Management Consultation:** Events that involve or engage students directly with a performer or artist (i.e. in a workshop or other than as a passive audience member) will require consultation with Risk Management. Requires proof of correspondence with Risk Management.

☐ **Space/Facilities Services Requirements:** Consultation and coordination with Facilities Services is required.

Acknowledgement

☒ I acknowledge that I have reviewed and accepted the Conditions and Considerations herein. Please check off boxes as appropriate.

▼ Chair Review

Recommendation

- ☒ I recommend approval of the IRA Funds Request described on this page
☐ I DO NOT recommend approval of the IRA Funds Request described on this page

Comments

In Computer Science we are aiming to build a robust seminar series, where we invite researchers to speak to our students. We have been successful so far (<https://compsci.csuci.edu/degrees/seminars.htm>) and I strongly support Prof Thom's effort to procure funds for this purpose.

 Michael Soltys-Kulnicz Oct 1 2018

▼ Dean Review

Recommendation

- ☒ I recommend approval of the IRA Funds Request described on this page
☐ I DO NOT recommend approval of the IRA Funds Request described on this page

Comments

It is unclear how students will find out about the event (is it during a class session? will they receive course credit for attending?) and how it relates to learning outcomes for one or more classes or the IT program. These additions may be helpful to the IRA committee. I am forwarding it on for review.

 Marion Adler Oct 9 2018