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NSF Award Search: Award#1347767 - Professional Development Program: Building a Multi-Level Diverse Workforce in Astronomy

Award Abstract #1347767

**Professional Development Program: Building a Multi-Level Diverse
Workforce in Astronomy**

NSF Org:[AST](#)

[Division Of Astronomical Sciences](#)

Initial Amendment Date:September 12, 2013

Latest Amendment Date:July 11, 2014

Award Number:1347767

Award Instrument:Continuing grant

Program Manager:James Neff

AST Division Of Astronomical Sciences

MPS Direct For Mathematical & Physical Scien

Start Date:September 1, 2013

End Date:August 31, 2017 (Estimated)

Awarded Amount to Date:\$713,181.00

Investigator(s):Lisa Hunter hunter@ucolick.org (Principal Investigator)

Jerome Shaw (Co-Principal Investigator)

Sponsor:University of California-Santa Cruz

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NSF Program(s):SPECIAL PROGRAMS IN ASTRONOMY,
OFFICE OF MULTIDISCIPLINARY AC

Program Reference Code(s):7715, 9138, 9178, 9179, SMET

Program Element Code(s):1219, 1253

ABSTRACT

This award is to support the Professional Development Program (PDP), run by the Institute for Scientist & Engineer Educators. The PDP trains graduate students and postdoctoral researchers to teach effectively and inclusively as a complement to their research training, and simultaneously seeks to retain undergraduates in the STEM pipeline. The work will facilitate the expansion of the PDP to a nationwide level from its traditional Hawai'i-based roots, allowing teams of 3-4 at any US institution to apply for and participate in the program. This will help address numerous outstanding shortcomings in the astronomy workforce and educational pipeline.

This project will diversify and improve the astronomy-related workforce at multiple levels of degree/training and experience. The team will (1) develop the teaching, mentoring, and professional skills of graduate students and postdocs in astronomy; (2) develop the teaching, mentoring, and professional skills of current astronomy professionals with a focus on Hawai'i; and (3) advance undergraduates in STEM with a focus on broadening participation. The PDP will have a strong synergy with the Akamai Workforce Initiative, and the two programs will jointly address critical Hawai'ian workforce needs that are highly relevant to the forthcoming Advanced Technology Solar Telescope (ATST) and Thirty Meter Telescope (TMT).

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