



# CERRO TOLOLO INTER-AMERICAN OBSERVATORY CTIO REU PROGRAM 2016

## The Research Experiences for Undergraduates (REU) Program at the Cerro Tololo Inter-American Observatory (CTIO):

- Full-time paid internship at CTIO (part of the US National Optical Astronomy Observatory)
- Collaborate on research projects with a staff mentor on topics such as
  - The origin, nature, and evolution of stars and galaxies
  - Supernovae remnants, brown dwarfs & variables in the Milky Way Galaxy
  - Exoplanets and their host stars
- Weekly science seminars and lunch talks
- Field trips to other observatories
- Independent observing programs using observatory telescopes
- 10 weeks during January-March
- Paid travel to and from La Serena, Chile
- Weekly salary of \$640
- Experience the rich Chilean culture
- Opportunity to present a poster at the following American Astronomical Society (AAS) winter meeting

### Benefits to the student:

- Work alongside noted scientists and Chilean students from the Práctica de Investigación en Astronomía (PIA) program
- Explore the wonders of the southern hemisphere sky
- Learn about state-of-the-art astrophysical research
- Experience the working environment of the U.S. national observatory
- Gain firsthand experience with CTIO's world-class telescopes
- Develop expertise in astronomical data reduction and analysis
- Learn about the process of becoming a graduate student in astrophysics

### After the program:

- Opportunity to present a poster at the following American Astronomical Society (AAS) winter meeting
- Publications in refereed journals frequently result from the CTIO REU experience
- Over 90% of past REU alumni have continued their education in a field related to astronomy, physics, or computer sciences

### Life at CTIO during the REU/PIA program

The REU/PIA students share a house on the CTIO premises in La Serena. The experience of U.S. and Chilean students living and working together is an important part of the program, one which the students themselves consistently rate highly.

### Exploring beyond the Observatory

The students are encouraged to experience the Chilean culture and country, and to explore the area around La Serena. Spanish classes can be arranged for those interested. Usually the students themselves organize weekend trips to the Valle de Elqui or to one of the nature reserves nearby.



AURA



**Application Deadline: October 1, 2015**

For more information:  
[www.ctio.noao.edu/noao/REU](http://www.ctio.noao.edu/noao/REU)

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