RESEARCH EXPERIENCE FOR UNDERGRADUATES
Summer 2016
Ohio Wesleyan University
INTERDISCIPLINARY SCIENTIFIC COMPUTATION
MAY 16 – JULY 21

Projects are focused on scientific computation in the following fields:
ASTRONOMY, COMPUTER SCIENCE, MATHEMATICS, NEUROSCIENCE, PHYSICS

• RESEARCH TOPICS: STELLAR SURFACE IMAGING (ASTRONOMY), SEARCH FOR EXOTIC SHAPES IN THE “WILD WEST” OF THE NUCLEAR LANDSCAPE (NUCLEAR PHYSICS), SAMPLING DISTRIBUTION OF REGRESSION STATISTICS WITH DATA SUBJECTED TO TYPE II CENSORING (STATISTICS), ARTIFICIAL INTELLIGENCE FOR MODERN BOARD GAMES (COMPUTER SCIENCE), ANALYSIS OF CLIMATE FEEDBACKS (APPLIED MATH), EXPLORING BRAIN RHYTHMS (BIOPHYSICS), AND DYNAMICS OF NEURONAL NETWORK MODELS OF OLFACTION (MATH/NEUROSCIENCE)

• SUPPORT: $5200 STIPEND (FOR 10 WEEKS), HOUSING PROVIDED AT NO CHARGE, TRAVEL FUNDS UP TO $400 TO/FROM PROGRAM.

• ELIGIBILITY: APPLICANTS MUST BE U.S. CITIZENS OR PERMANENT RESIDENTS AND MUST BE CURRENT UNDERGRADUATE STUDENTS (FULL- OR PART-TIME). PREFERENCE WILL BE GIVEN TO STUDENTS WITH LIMITED RESEARCH OPPORTUNITIES AT THEIR HOME INSTITUTIONS AND/OR WHO HAVE NOT HAD A FOCUSED RESEARCH EXPERIENCE. UNDERREPRESENTED MINORITIES AND WOMEN ARE ESPECIALLY ENCOURAGED TO APPLY.

• REVIEW OF APPLICATIONS WILL BEGIN ON MARCH 4, 2016 AND WILL CONTINUE UNTIL ALL POSITIONS ARE FILLED.

For more information, see http://reu.owu.edu or contact Dr. Robert Haring-Kaye at rakaye@owu.edu, 740-368-3774.