

**Department of Physics
COLLEGE OF ARTS AND SCIENCES**

**SUMMER RESEARCH OPPORTUNITIES
FOR UNDERGRADUATE WOMEN**

APPLICATION DEADLINE: March 1, 2014

The Department of Physics is pleased to offer the following research project for the summer of 2014. Interested students are urged to contact the faculty member(s) directing the project that most interests them. By contacting the faculty member, you can discover more about the project, learn what your responsibilities will be and, if possible, develop a timetable for the twelve-week research period.

Astrophysics of Stellar Clusters Near and Far

**Dr. Margaret Hanson
Professor, Department of Physics
Associate University Dean
The Graduate School
Room 110A Van Wormer
2614 McMicken Circicle
Cincinnati, OH 45221-0011
Tel: (513)-556-2872
Email: hansonmm@ucmail.uc.edu**

Project Description

For this research project, the student will be part of a team of physics students, post-docs and faculty working on astro-particle physics questions having to do with the age and structure of our universe, near and far. The student will contribute by providing deep literature searches, data mining of astrophysical databases and models, combined with entry-level programming, to ascertain the age of stellar clusters. No previous programming experience or astronomy knowledge is necessary. We will help the student teach herself what she needs to know. The student may have an opportunity to also contribute to other current projects within the group.