

**DEPARTMENT OF BIOLOGY
McMicken-College of Arts & Sciences**

**SUMMER RESEARCH OPPORTUNITIES
FOR UNDERGRADUATE WOMEN**

APPLICATION DEADLINE: MARCH 1, 2005

The Department of Biology is pleased to offer the following research project for the summer of 2005. 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.

Reintroducing the Endangered American Chestnut to Eastern Forests

Professor Steven Rogstad

Arts & Sciences/Biology RIEVESCHL HALL 721 (513)556-9744

FAX: (513)556-5299

E-Mail: steven.rogstad@uc.edu

We are conducting research on the endangered American Chestnut, which is succumbing to the American Chestnut Blight. The American Chestnut Foundation is generating lines of trees that will be resistant to the Blight, and my laboratory is investigating how their breeding program is affecting the genetic diversity of these lines. Wise students will have the opportunity to learn dna extraction and manipulation techniques, including the polymerase chain reaction and microsatellite DNA marker analysis.