

Southwestern University
Application for Merck/AAAS Summer Undergraduate Research Program
Summer 2006



To be received no later than **March 21, 2006**

The Merck/AAAS award provides stipends for *four students* to become Merck/AAAS Scholars to conduct interdisciplinary research in Biology and Chemistry over an eight-week summer period. Each Merck/AAAS Scholar will work with faculty members in research labs in both biology and chemistry. This program has both summer and academic year components. Merck Scholars hold the position for a full year and participate in various activities throughout the year.

The grant will provide a stipend of \$2500 for eight weeks of full-time research during the summer and \$500 for the Fall 2005 semester. Funds are available for research supplies and travel to a National or Regional meeting. Interested students should contact faculty with whom they might wish to work. Descriptions of the collaborative projects are on the web at <http://www.southwestern.edu/~footezm/merckAAAS.htm>. To apply, return the completed application with a copy of a current (unofficial) transcript to FJS 317.

Applications are due no later than **March 21, 2006**

Name: _____ Class: _____

Email: _____ Cumulative GPA: _____

Mailing Address: _____

Term and Year of Anticipated Graduation: _____

Current Major(s): _____

List two science or math professors who know you well:

Briefly describe any previous research experience:

Describe your career objectives:

List the names of faculty members with whom you would be interested in working on a research project. Rank them in order of preference (1= first choice, 2 = second choice, etc)

Projects	Rank
• Biochemical Consequences of Tamoxifen-DNA Adducts Maha Zewail-Foote (Chemistry) and Martin Gonzalez (Biology)	_____
• Drought and Salinity Responses In C₄ Grasses Max Taub (Biology) and Emily Niemeyer (Chemistry)	_____
• Effects of DNA-Reactive α-Hydroxytamoxifen on Endometrial Cell Lines Maria Cuevas (Biology) and Maha Zewail-Foote (Chemistry)	_____
• Induction of SOS Mutagenesis under Starvation Conditions Gulnar Rawji (Chemistry) and Martin Gonzalez (Biology)	_____

By signing this application, the student agrees to:

- Continue doing research in the Fall semester
- Present your research as part of the Biology seminar series and attend the seminars
- Present your research at a regional or national meeting as suggested by your research advisors
- Attend and actively participate in the summer research program activities (weekly lunches, meetings, information sessions, socials, etc.)
- Write a report of the research results by the end of the summer.

Signature of Student

Date

Please return to Dr. Maha Foote, FJS 317