

UCSD student receives Barry M. Goldwater Scholarship and Excellence Award

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UCSD STUDENT RECEIVES PRESTIGIOUS SCHOLARSHIP

Katherine Nelson, a University of California, San Diego junior studying chemical physics, is a 1991-92 recipient of the Barry M. Goldwater Scholarship and Excellence in Education Award.

Nelson is one of 245 college juniors to receive the award from a field of approximately 1,340 mathematics and science students nominated by the faculties of more than 600 colleges and universities nationwide.

The scholarship, based on academic merit, covers eligible expenses for tuition, fees, room/board and books, to a maximum of \$7,000. Scholarship recipients are eligible for two years of support.

The Goldwater Foundation is a federally endowed agency established by Congress in 1986 "to foster and encourage outstanding scholars to pursue careers in the fields of mathematics and the natural sciences."

Nelson will work this summer at the Lawrence Livermore National Laboratory with Dr. John Reynolds, who has been synthesizing and characterizing compounds which will replace halogens. This replacement will help reduce pollution caused in the processes of refining and burning crude oil and tar sand bitumens.

Three summers ago Nelson also worked at the Lawrence Livermore National Laboratory for the UC Davis Department of Applied Science solving calculus problems by numerical methods on a computer.

Today she has aspirations to obtain a Ph.D., possibly in analytical chemistry, so she eventually can teach at the university level or pursue a research career at a national laboratory.

In addition to her academic interests, Nelson also is involved in the undergraduate physics research club and serves as an advisor to the Revelle Freshman Honors Program in which she participated.

She grew up in Livermore, Ca., where she attended Livermore High School. Nelson credits her parents for her math and science interests as her mother is a math tutor and her father a civil engineer at Lawrence Livermore National Laboratory.

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