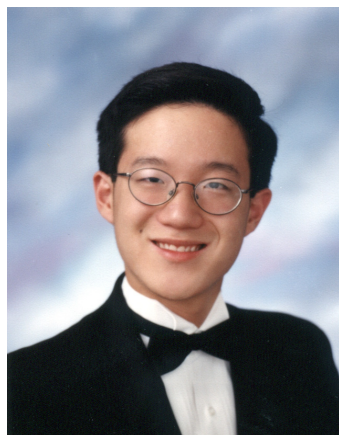




**Davidson Fellow Laureate
Justin Liu**

(\$50,000 Scholarship Recipient)



Personal Info

Justin Liu

Age: 17

Sacramento, Calif.

School, College and Career Plans

Justin graduated from Mira Loma High School in 2003 and will attend Stanford University this fall where he will major in General Biology. Justin plans to pursue a career as a university professor enabling him to continue to utilize his talent for research.

Davidson Fellows Submission (*Science*)

Justin conducted research about the relationship between tyrosine sulfation, a process that results in enhanced biological activity, and chemokine receptors, a protein family that mediates vital functions of the immune system. In his project titled "Chemokine Receptors and Chemokine Receptor-like Proteins: Prime Candidates for Tyrosine Sulfation," Justin based his research on the relationship between chemical modification and HIV in hopes of developing more effective treatments for HIV patients.

Biography

Justin grew up in Kansas and moved with his family to Sacramento, Calif. in 1998. In 2001, he began working as a research intern at the University of California, Davis' Division of Biological Sciences where he developed his project focusing on Chemokine Receptors.

Based on his research, Justin is the primary author of a paper, entitled "Chemokine Receptors and Chemokine Receptor-like Proteins: Prime Candidates for Tyrosine Sulfation," that is being prepared for publication. He has also co-authored a manuscript that was published in *Endocrine*.

In high school, Justin was captain of the Mira Loma Academic Decathlon Team, a member of the Science Bowl Team and involved with the production of the school yearbook. During his senior year of high school, Justin served as senior leader of a school-wide study concerning the water quality of the Arcade creek in Northern California (International Baccalaureate Group 4 Creek Study: Biological Assay).

In his spare time, Justin plays the violin, loves classical and jazz music, classic movies and reading science and math magazines.

Please see next page.

The Davidson Institute for Talent Development

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Davidson Fellow Laureate
Justin Liu
(Cont.)

Honors/Awards

- 2003 Davidson Fellow Laureate
- 2003 National Merit Scholar
- 2003 Siemens Westinghouse Competition in Math, Science & Technology, Semifinalist
- 2003 Intel Talent Search, Semifinalist
- 2003 California Scholarship Federation, Lifetime member
- 2003 National Honor Society
- 2002 University of California-Davis, Young Scholars Program
- 2001 Brown University Summer Program (Techniques in Biotechnology)

Community Activities

Justin is a volunteer with the Red Cross Youth Services Department and Sacramento Discovery Museum, assisting at community centers and local events.

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