

Santa Clara Valley Science and Engineering Fair Association

P.O. Box 307, Los Altos, California 94023 • 650-856-1289

www.science-fair.org

Celebrating Consecutive Regional Science Fairs Since 1960

Affiliated with the Intel International Science and Engineering Fair

MENTOR PROFILE FOR STUDENTS TO REVIEW

Please fill in the appropriate information boxes below, and email this document to rwwcwl@yahoo.com for posting on our website www.science-fair.org.

Last name: **Yaung**

First name: **Stephanie**

College and degree(s) earned:

SB, Biological Engineering, MIT;

SB, Management Science, MIT;

Current PhD candidate, Medical Engineering, Harvard-MIT Health Sciences and Technology program

Email address: **contact: mentors@science-fair.org**

Web page (if applicable): None

Phone number and available hours to call: Please email me first.

Your background summary:

I was a 2005 Siemens Westinghouse semifinalist, Grand Prize winner in Biological Sciences at the 2006 Synopsys Silicon Valley Science and Engineering Fair, and a 2006 Intel ISEF Finalist. My project was on adult hematopoietic stem cell migration, based on my work through the 2005 Stanford CCIS program (now called SIMR) in Irv Weissman's lab. I graduated from Leland High School in 2006, and explored diverse research areas during my undergraduate studies at MIT. I had the fortunate opportunity to intern at various institutions or companies, including Agilent Technologies, UCSF, Roche Palo Alto, Merck, and Genentech. I am currently pursuing a PhD in George Church's lab at Harvard Medical School and am working on engineering the human microbiome. I am also interested in K-12 math and science education, and believe that it is important to engage students in science and engineering at an early age. Since I have had great mentors along the way, I hope to help mentor younger students in their research projects.

Briefly write about your science and/or engineering interests:

I have a broad range of research experiences and interests including genetics, microbiology, immunology, toxicology, statistical methods, biomechanical modeling, and biophysics. I am very interested in diagnostic and therapeutic applications of basic science research, such as molecular diagnostic platforms, biopharmaceutical preclinical testing and manufacturing processes, and molecular/gene therapy.

Projects from which scientific category would you be interested in mentoring?

Biochemistry/Microbiology, Medicine, Bioengineering

If you are a past Science Fair Judge, list scientific categories which you judged: N/A

If you are a past Science Fair Judge, list fairs by name in which you participated (local school fair, Synopsys Championship, CSSF, ISEF, etc.) N/A

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