

This brochure provides a quick glance at the aspirations and accomplishments of the senior chemistry/biochemistry majors at Santa Clara University.

It is impossible to capture the full range of activities that students engage in during four years here. For example, our majors donate their time and knowledge during National Chemistry Week to demonstrate the “magic” of chemistry to young children. Each year Chem Club students partner with the Santa Clara Valley Section of the American Chemical Society for a day of hands-on science demonstrations with children at a local venue. It is hard to explain how much fun it is to do things like stringing “magic” UV-sensing beads into a bracelet or testing the pH indicator properties of red cabbage with children. One of the favorite activities is making “Goofy Putty.” When kids arrive at the booth, instead of the expected package of putty, a pair of safety goggles is slapped on them, and they are shown how to make goofy putty from glue, borax, and food coloring. A small trickle of curious kids eventually turns into an avalanche.

How does one describe the exhilaration that comes from having an experiment come to fruition, seeing one’s name in print in a professional journal, and/or presenting one’s paper to a group of scientists and students? Our students have experienced these achievements, besides being able to participate in the Study Abroad Program.

Over the past few years, our graduates have used their major as a springboard to a variety of interesting careers. They have gone into law, dentistry, medicine, pharmacy, forensic investigation, Army counter-intelligence(!), accounting, and graduate school in chemistry and biochemistry. They work at chemical, pharmaceutical, financial, and bio-technology companies, and even wineries. In the Alumni Pages on our web site, you can get a detailed picture of the career paths SCU graduates have chosen.

For more information, visit our website at www.scu.edu/chemistry

or contact Dr. Jack Gilbert

jgilbert@scu.edu

Department of Chemistry & Biochemistry

Santa Clara University

Santa Clara, CA 95053



Santa Clara University

Chemistry & Biochemistry Majors

Class of 2011



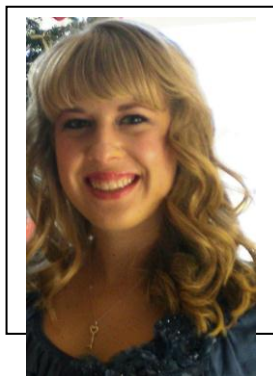
Anisha Ali – B. S. Chemistry
Chem Club; Chemistry and Calculus tutoring
Future Plan: I am planning to work overseas with an environmental company. I want to gain a few years of experience before possibly continuing on to graduate school.



Carolina Alvarado

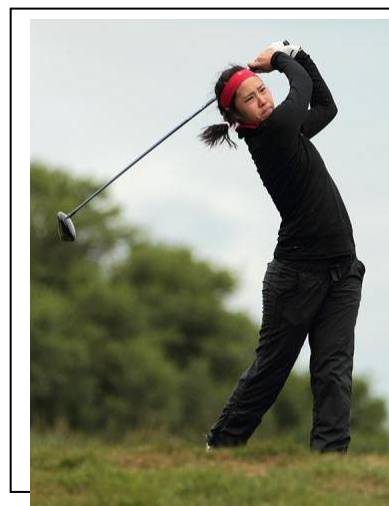
B.S. Biochemistry
Research with Dr. Carrasco and Dr. Fuller; co-authored published paper; presented poster at ACS Conference in San Francisco; vice-president of ChemClub 10–11.
Future Plan: Work in industry or go to graduate school.

Katelyn Caslavka – B.S. Biochemistry
Chem Club Programming Coordinator 10-11; research with Dr. Brunauer; ACS student member; Clare Boothe Luce Research Scholarship; poster presentation at ACS Undergraduate Research Symposium; TA in lab; Sigma Xi.
Future Plan: Ph.D. program in Biochemistry and Molecular Biology at UCLA.

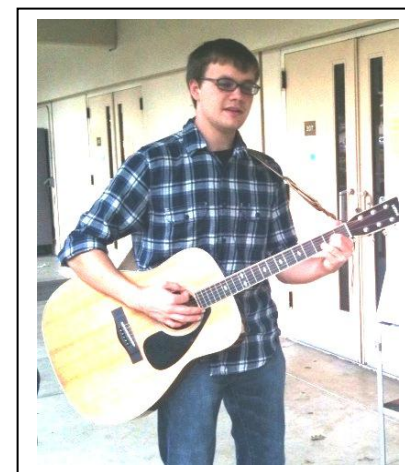


Scott Dashner – B.S. Biochemistry
Chem Club co-president 10–11; VP 09–10; research with Dr. Carrasco; Organic & Gen Chem tutor; presented at ACS Conference in San Francisco; co-authored two published papers; Sigma Xi.
Future Plans: Take some time off, travel a bit. Then work, graduate school or medical school. Currently keeping options open.

Yes, there is time for fun



Miki at ▲
2011 Conference Tournament



Singing the Mole Song ▲
on Mole Day

Chilling out after the
Senior Exit Exam ▶



Adalsteinsson's lab ▼





Miki Ueoka – B.S. Biochemistry
 SCU women’s golf team; first woman golfer in SCU to qualify for post-season play; ESPN/CoSIDA Academic All District Team.
 Future Plan: Take a year off, work for a bit, then medical school.

Tamara Fisher – B.S. Biochemistry and B.S.E. Marketing
 Research on the marketing of pharmaceuticals with the Leavey School of Business; market research internship at Cepheid; SCU women’s rugby team.
 Future Plan: Work in the biotechnology industry and get an MBA.



Nicole Wachi

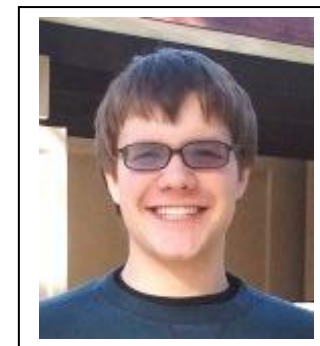
B.S. Chemistry
 Studied abroad in Florence; volunteered at Maui Clinic Pharmacy.
 Future Plan: Take a year off, then pharmacy school.



Alyssa Lampe – B.S. Biochemistry
 Research in Wheeler lab; BIN-REU fellowship; CSTS Roelandts Scholar; participated in ACS National Meeting in Anaheim, 2011; Sigma Xi.
 Future Plan: Take a year off, then medical school.



Jeffrey Langdon – B.S. Biochemistry
 Research in Shachter lab; presented results at 2011 ACS National Meeting; helped on Mole Day, singing the “Mole Song;” Sigma Xi; president, SCU AMSA chapter.
 Future Plan: Work in biotechnology industry; then go to medical school.



Amanda Wong – B.S. Biochemistry
 Research with Dr. Carrasco, two publications; presentations at ACS National Meeting in San Francisco and ACS Undergraduate Research Symposium; Gen Chem tutor; TA for Instrumental Lab; Chem Club co-president; Sigma Xi.
 Future Plan: Take a year off, do medically-relevant research or work as EMT, then medical school.



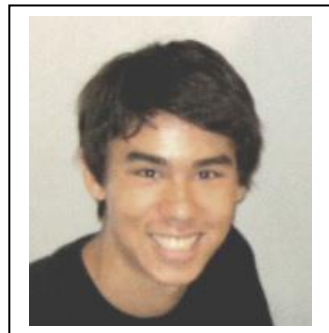
Erin Lee – B. S. Biochemistry
 Research in Adalsteinsson Lab; Chem Club - Chem Week activities; summer internship in analytical chemistry at an Arizona start-up lab; Sigma Xi.
 Future Plan: Take a year off, get some work and real-life experiences. We’ll see where it goes from there!





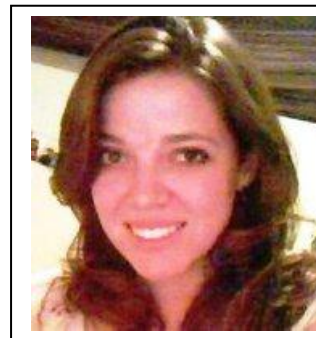
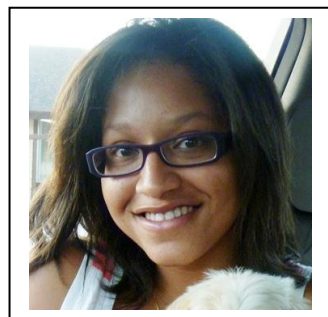
Amy Munekiyo – B.S. Biochemistry
Grader for Biochemistry I
Gen Chem tutoring
Future Plan: Take a year off and apply to pharmacy school.

Gary Nissen – B.S. Biochemistry
Research in Adalsteinsson lab; Sigma Xi.
Future Plan: Apply to medical school and hopefully start medical school in 2012! During my year off, I plan to travel and work in a medically-related job.



Marisa Plescia – B.S. Biochemistry
Research in Fuller Lab; poster presentation at 2011 ACS National Meeting; co-authored published article; Sigma Xi.
Future Plan: Teaching math, science and dance in India with ASTEP; then graduate school.

Lauren Sartor – B.S. Chemistry
Research in Fuller lab; poster presentation at 2010 ACS National Meeting; worked as lab tech assistant since sophomore year.
Future plan: Graduate school.



Emilee Sena – B.S. Chemistry
Chem Club Event Coordinator 09–10; Gen chem tutoring 10–11; research with Drs. Adalsteinsson, Barber, and McNelis; CSTS Roelandts Scholar; presented at SCU Physics Colloquium and at the American Physical Society Meeting in Dallas; internships at Los Alamos National Labs and at Sandia National Labs. Sigma Xi, Alpha Sigma Nu, and Phi Beta Kappa.
Future Plan: Ph.D. in Materials Physical Chemistry at U.C. Berkeley.

Austin Tenn-McClellan
B.S. Biochemistry
Research in SJSU biology lab on magnetic stimulation of crawfish eyes and nerve cords; SCU soccer team.
Future Plan: Work in research for a few years, then graduate school.



Kyle Tubbs
B.S. Biochemistry Certified
Research with Dr. Adalsteinsson; SCU EMS poster at ACS Meeting in Denver, Fall and Sigma Xi 2009; oral presentation at the 23rd Northern California Undergraduate Research Symposium, NSF-REU, 2007; I was funded by BIN-RDI in summer of 2011; Sigma Xi.
Future Plan: Medical school – surgery.