

Delaney K. Sullivan

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EDUCATION

2019 – present	M.D./Ph.D. Candidate, UCLA-Caltech Medical Scientist Training Program
2019	M.S. Computer Science, Stanford University
2016	B.S. Biology, Stanford University

HONORS/AWARDS

2019	David Geffen Scholar Merit scholarship awarded to select medical students at UCLA.
2018	Walter J. Gores Award for excellence in teaching Stanford University's highest award for excellence in teaching.
2017	Excellence in Teaching Award (Stanford University Department of Biology) Awarded to superb undergraduate and graduate course/teaching assistants.
2014	Bio-X Summer Undergraduate Research Fellowship Awarded funding for conducting research at Stanford in the summer of 2014.
2012	National Merit Finalist, High School Valedictorian (Rio Americano High School)

EXPERIENCE

4/2019 - 6/2019	Course Instructor: MED 256 , Stanford University School of Medicine <ul style="list-style-type: none">Created, designed, and taught the course: MED 256 (Gene Expression Profiling in Cancer), which was offered for 2-3 units (letter grade) in the spring of 2019.
7/2017 - 9/2017	Protein Biochemistry Intern , SLAC National Accelerator Laboratory <ul style="list-style-type: none">Performed enzyme kinetic studies to identify novel inhibitors of <i>M. tuberculosis</i> flavin-dependent thymidylate synthase.
12/2016 - 6/2018	Patient Navigator , Stanford Hospital and Clinics <ul style="list-style-type: none">Volunteered in Stanford Health Care as a patient navigator.Responsible for helping patients and visitors find their way through Stanford Hospital, handling deliveries to patients, and responding promptly to patients' requests. Volunteered a total of 90 hours.
9/2016 - 3/2018	Biology Teaching Assistant , Stanford University <ul style="list-style-type: none">Teach discussion sections and review sessions, hold office hours, and grade exams for Stanford University's introductory biology courses.
1/2016 - 4/2019	Peer Counselor and Outreach Coordinator , Stanford Bridge Peer Counseling <ul style="list-style-type: none">Provided free, anonymous counseling and support to the Stanford community.Worked with a team to organize publicity efforts.
9/2013 - 6/2019	Research Assistant (Medicine/Oncology) , Stanford University School of Medicine <ul style="list-style-type: none">Conducted oncology research in the Felsher laboratory.Projects have included: 1) Analyzing CRISPR screen data to identify novel synthetic lethal interactions for MYC, 2) Interrogating microarray and RNA-seq data to identify MYC gene expression signatures in cancer, and 3) Investigating how the MYC and KRAS oncogenes rewire lipid metabolism.
4/2014, 4/2015	SPLASH Teacher , Stanford Educational Studies Program <ul style="list-style-type: none">Gave lectures on cancer, DNA/Chromatin, and bioplastics to high school students.

2014 - 2016

Peer Tutor, Stanford University

- Worked for Stanford's Athletic Academic Resource Center (AARC), tutoring student athletes enrolled in the introductory computer science class: CS 106A.
- Worked as a biology subject tutor for Stanford's Office of the Vice Provost for Teaching and Learning (VPTL).
- Created a biology core review class, called Tackle Biology!, for which I constructed course material and taught weekly sessions.

PROJECTS

3/2017

Physiology Course Notes

- Wrote 78 pages of lecture notes to accompany the animal physiology unit of the introductory biology courses at Stanford. (tinyurl.com/bio42physiology)

5/27/2013

Sanger Sequencing Web App

- Designed an educational web application which provides an interactive yet informative way of explaining DNA sequencing. (tinyurl.com/e25b-dna)

PUBLICATIONS

scholar.google.com/citations?user=r8lhPSgAAAAJ

(*Equal contribution; #Co-correspondence)

Journal articles:

1. Gouw AM*, Margulis K*, Liu NS, Raman SJ, Mancuso A, Toal GG, Tong L, Mosley A, Hsieh AL, **Sullivan DK**, Stine ZE, Altman BJ, Schulze A, Dang CV#, Zare RN#, Felsher DW#. (2019). The MYC Oncogene Cooperates with Sterol-Regulated Element-Binding Protein to Regulate Lipogenesis Essential for Neoplastic Growth. *Cell Metabolism*, 30(3), 556-572. [PubMed ID: 31447321]
2. **Sullivan D**. (2017). Leveraging Video Game Playing to Improve Computational Biology Research. *Intersect: The Stanford Journal of Science, Technology and Society*, 10(2).
3. Gouw AM, Eberlin LS, Margulis K, **Sullivan DK**, Toal GG, Tong L, Zare RN#, Felsher DW#. (2017). Oncogene KRAS Activates Fatty Acid Synthase Resulting in Specific ERK and Lipid Signatures Associated with Lung Adenocarcinoma. *Proc Natl Acad Sci U S A*, 114(17), 4300-4305. [PubMed ID: 28400509]

Conference papers:

1. Wang JX*, **Sullivan DK***, Wells AJ*, Wells AC*, Chen JH. (2019). Neural Networks for Clinical Order Decision Support. *AMIA Jt Summits Transl Sci Proc.*, 2019, 315-324. [PubMed ID: 31258984]
(Delivered an oral presentation at the AMIA Informatics Summit on March 27, 2019)

Abstracts:

1. Daniel Koch, Stacey Adams, Andrew Gentles, Benedict Anchang, **Delaney Sullivan**, Sylvia Plevritis, Dean Felsher. Gene expression signatures associated with MYC oncogene addiction in lymphoma. [abstract]. In: Proceedings of the AACR Special Conference on Myc: From Biology to Therapy; Jan 7-10, 2015; La Jolla, CA. Philadelphia (PA): AACR; Mol Cancer Res 2015;13(10 Suppl):Abstract nr A48.

OTHER ACTIVITIES

Peer-Reviewer: **PeerJ** (1 review submitted)

Forums: **Biostars** (profile: biostars.org/u/30020/). Contributed 45+ posts on bioinformatics.

STANDARDIZED EXAM SCORES

4/06/2018

Medical College Admission Test (MCAT)

Score: 521 (99th percentile)