

Allen Zhu

Educational History:

2011 University of California – Berkeley: Berkeley, California

- Graduated on December 16, 2011
- Bachelor of Arts: Molecular and Cell Biology (Genetics, Genomics, and Development)
- Cumulative GPA: 3.97
- Major GPA: 4.00

Awards and Recognitions:

- Departmental Honors in Molecular and Cell Biology
- Edward Blount Award (Highest academic achievement in Genetics, Genomics, and Development)
- Highest Distinction in General Scholarship (Summa Cum Laude)

Research Experience:

Research Technician B – Dr. Harris Wang’s Lab at Columbia University, Departments of Systems Biology and Pathology/Cell-Biology

- My project’s long-term goal is to develop a novel method of investigating how diseases are related to abnormalities in the composition of microbial species present in the mammalian gut through a genetic-engineering approach.

Laboratory Research Intern – Sangamo BioSciences, Inc.

- I was a member of the Gene Modification Group and I worked on numerous projects centered on targeted gene modification using Zinc-finger nucleases (ZFNs) with the objective of developing novel means to cure Sickle-Cell Disease and other genetically transmitted ailments.

Publications:

David F. Hui, **Allen Zhu**, Rajarajeswari Sivalenka, Nithianandan Selliah, Kristina Tess, Chang Li, Matt Mendel, Philip D. Gregory, Stewart Abbot, Xiaokui Zhang, Gregory J. Cost. ***KEL-Null Red Blood Cells Derived From In-Vitro Differentiation of Zinc-Finger Nuclease-Edited HSCs***. Molecular Therapy – Volume 22, Supplement #1, Entry 715. Abstract from the 2014 American Society of Gene & Cell Therapy (ASGCT) conference.

Manuscripts submitted for publication:

Megan D. Hoban, Gregory J. Cost, Matthew C. Mendel, Zulema Romero, Michael L. Kaufman, Alok V. Joglekar, Michelle Ho, Dianne Lumaquin, David Gray, Georgia R. Lill, Aaron R. Cooper, Fabrizia Urbinati, Shantha Senadheera, Allen Zhu, Pei-Qi Liu, David E. Paschon, Lei Zhang, Edward J. Rebar, Andrew Wilber, Xiaoyan Wang, Philip D. Gregory, Michael C. Holmes, Andreas Reik, Roger P. Hollis, Donald B. Kohn. ***Correction of the Sickle-Cell Disease Mutation in Human Hematopoietic Stem/Progenitor Cells***