

Elizabeth T. Chin

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EDUCATION	Stanford University <i>PhD, Biomedical Data Science</i> <i>Full scholarship funding – 6 years:</i> <i>National Science Foundation Graduate Fellowship</i> <i>Stanford Graduate Fellowship</i>	2017-Present
	University of California Los Angeles <i>BS, Applied Mathematics</i> <i>Minor, Bioinformatics</i>	2013-2017
RESEARCH EXPERIENCE	Stanford University Department of Biomedical Data Science <i>PhD Candidate</i> <i>Advisors: Dr. Euan Ashley & Dr. Trevor Hastie</i> Machine learning and biostatistical methods in precision medicine	2017-Present
	Stanford University Center for Primary Care and Outcomes Research <i>Researcher</i> <i>Advisors: Dr. Jason Andrews, Dr. Jeremy Goldhaber-Fiebert,</i> <i>Dr. Joshua Salomon, Dr. David Studdert</i> Initiated research group to model and assess Covid-19 policies in California prisons	2020-Present
	Harvard University Immigration Lab <i>Biostatistician</i> <i>Advisor: Dr. Katherine Peeler</i> Sole statistician for the Peeler Immigration Lab, which focuses on human rights issues and healthcare access in immigration detention centers	2020-Present
	University of California Los Angeles Department of Bioinformatics <i>Research Assistant</i> <i>Advisor: Dr. Xinshu (Grace) Xiao</i> Development of bioinformatic methods for genomics	2014-2017
	Harvard University Department of Systems Biology <i>Summer Research Fellow</i> <i>Advisor: Dr. Pardis Sabeti</i> Development of machine learning methods for triaging to improve outbreak response in Low-to-Middle-Income Countries	2015
	University of California Irvine National Science Foundation <i>REU Fellow</i> <i>Advisor: Dr. Rachel Martin & Dr. Carter Butts</i> Development of statistical models for protein modeling	2014

PUBLICATIONS *Journal Articles - Original Research*

1. **Chin ET**, Leidner D, Ryckman T, Liu Y, Prince L, Alarid-Escudero F, Andrews JR, Salomon JA, Studdert DM (2021) “Covid-19 Vaccine Acceptance Among Residents of California State Prisons.” *Under review.*

2. Kiang M, **Chin ET**. Huynh B, Chapman L, Rodríguez-Barraquer I, Greenhouse B, Rutherford G, Bibbins-Domingo K, Havlir D, Basu S, Lo N. (2021) “Routine asymptomatic testing strategies for airline travel during the COVID-19 pandemic: a simulation analysis.” *Lancet Infectious Diseases*.
3. **Chin ET**, Goldhaber-Fiebert JD, Ryckman T, Prince L, Andrews JR, Salomon JA, Studdert DM (2021) “Covid-19 Testing Hesitancy Among Incarcerated Men in California.” *Under review*.
4. **Chin ET***, Ryckman T*, Prince L, Leidner D, Alarid-Escudero F, Andrews JR, Salomon JA, Studdert DM, Goldhaber-Fiebert JD (2021) “Covid-19 in the California State Prison System: An Observational Study of Decarceration, Ongoing Risks, and Risk Factors.” *Under review*. ***Co-first author**
5. Uppal N, **Chin ET**, Lee CH, Erfani P, Peel KR (2021) “International Medical Graduates and Practice Rates in Underserved Communities in Florida.” *Under review*.
6. **Chin ET**, Huynh B, Chapman L, Murrill M, Basu S, Lo N. (2020) “Frequency of routine testing for COVID-19 in high-risk environments to reduce workplace outbreaks.” *Clinical Infectious Diseases*.
7. **Chin ET***, Huynh B*, Lo N, Hastie T, Basu S (2020) “Projected geographic disparities in health-care worker absenteeism from COVID-19 school closures and the economic feasibility of child care subsidies: a simulation study.” *BMC Medicine*. ***Co-first author**
8. Paige S*, Galdos F*, Lee S*, **Chin ET***, Ranjbarvaziri S, Feyen DAM, Darsha AK, Xu S, Ryan JA, Beck AL, Qureshi MY, Miao Y, Gu M, Bernstein D, Nelson TJ, Mercola M, Rabinovitch M, Ashley EA, Parikh VN, Wu SM (2020) “Patient-Specific Induced Pluripotent Stem Cells Implicate Intrinsic Impaired Contractility in Hypoplastic Left Heart Syndrome.” *Circulation*. ***Co-first author**
9. Cordero P, Parikh VN, **Chin ET**, Erbilgin A, Gloude-mans MJ, Shang C, Huang Y, Chang AC, Smith KS, Dewey F, Zaleta K, Morley M, Brandimarto J, Glazer N, Waggott D, Pavlovic A, Zhao M, Moravec CS, Tang WHW, Skreen J, Malloy C, Hannehalli S, Li H, Ritter S, Li M, Bernstein D, Connolly A, Hakonarson H, Lusic AJ, Margulies KB, Depaoli-Roach AA, Montgomery SB, Wheeler MT, Cappola T, Ashley EA (2019) “Pathologic gene network rewiring implicates PPP1R3A as a central regulator in pressure overload heart failure.” *Nat Communications*.
10. Okokhere P, Colubri A, Azubike C, Iruolagbe C, Osazuwa O, Tabrizi S, **Chin E**, Asad S, Ediale E, Rafiu M, Adomeh D, Odia I, Atafo R, Aire C, Okogbenin S, Pahlman M, Becker-Ziaja B, Asogun D, Fradet T, Fry B, Schaffner SF, Happi C, Akpede G, Günther S, Sabeti PC (2018) “Clinical and laboratory predictors of Lassa fever outcome in a dedicated treatment facility in Nigeria: a retrospective, observational cohort study.” *The Lancet Infectious Diseases*.

Journal Articles - Commentaries & Editorials

1. Erfani P, **Chin ET**, Lee CH, Uppal N, Peel KR (2021) “Suicide in U.S. Immigration Detention: A Growing Crisis.” *Under review*.

SELECTED HONORS

National Science Foundation Graduate Fellowship	March 2017
Full scholarship funding – 3 years	
Stanford Graduate Fellowship	March 2017
Full scholarship funding – 3 years	
Amgen Scholars	Summers 2015, 2016 (declined)
\$6000 fellowship awarded to fund summer research at the University of California Los	

Angeles

Harvard Summer Research Scholar Summer 2015

\$6000 fellowship awarded to fund summer research at the Broad Institute

Lau Research Fellowship 2015-2016

\$2000 research fellowship awarded by University of California Los Angeles

NSF Research Experience for Undergraduates Summer 2014

\$6000 fellowship awarded to fund summer research at University of California Irvine

Norma J. Ehrlich Scholarship 2013-2017

Competitive merit scholarship

TEACHING

Instructor, Stanford Prison Education Project 2019-Present

Teaching Assistant, Translational Bioinformatics Fall 2019

Teaching Assistant, Translational Bioinformatics Winter 2019

**PROFESSIONAL
SERVICE**

Mentor, Inclusive Mentorship in Data Science 2021

Ad hoc Reviewer, *The Lancet* 2020

Mentor, Girls Who Code 2016, 2021

**OTHER
EXPERIENCE**

Data Science Intern, Quora Summer 2017

Machine Learning Intern, Adobe Systems Summer 2016