

ABOUT

School Email	brian.chu@pennmedicine.upenn.edu
Personal Email	brianchu2010@gmail.com
LinkedIn	linkedin.com/brianchusf
Website	chu-brian.github.io
Hometown	San Francisco, CA

EDUCATION

2022	M.D.	Perelman School of Medicine at the University of Pennsylvania Walter and Anne Gamble Scholar
2018	B.S.	Stanford University, Chemistry, with Distinction Minor in Computer Science

RESEARCH

Published

1. Inena G, **Chu B**, Falay D, Limengo B, Matondo I, Bokanga A, Kovarik C, Williams VL. Patterns of Skin Cancer and Treatment Outcomes for Patients with Albinism at Kisangani Clinic, Democratic Republic of Congo. *Int. J. Dermatol.* Accepted.
2. **Chu B**, Markeson C, Barbieri JS. Association of air pollution and chronic inflammatory skin diseases: challenges of Google Trends data and importance of local data. *J Am Acad Dermatol.* May 2020. In press.
3. Barbieri JS, **Chu B**, Mostaghimi A. Sociodemographic differences associated with utilization of weekend versus weekday primary care visits. *J Gen Intern Med.* Accepted.
4. Ranpariya V, **Chu B**, Fathy R, Lipoff J. Dermatology without Dermatologists? Analyzing Instagram influencers with dermatology-related hashtags. *J Am Acad Dermatol.* May 2020. In press.
5. Mohiuddin J, **Chu B**, Facciabene A, Poirier K, Wang X, Doucette A, Zheng C, Xu W, Anstadt EJ, Amaravadi RK, Karakousis GC, Mitchell TC, Huang AC, Shabason JE, Lin A, Swisher-McClure S, Maity A, Schuchter LM, Lukens JN. Association of antibiotic exposure with survival and toxicity in patients with melanoma receiving immunotherapy. *J Natl Cancer Inst.* Apr 2020. In press.
6. Fathy R*, **Chu B***, Singh P, James WD, Barbieri JS. Variation in topical antibiotics recommendations in wound care instructions by non-dermatologists. *J Gen Intern Med.* Feb 2020. *co-first author
7. Fathy R, **Chu B**, James WD, Barbieri JS. The frequency of topical antibiotic use following biopsy and excision procedures amongst dermatologists and non-dermatologists: 2006-2015. *J Am Acad Dermatol.* Jan 2020.
8. **Chu B**, Fleischer A, Barbieri JS. The frequency of off-label prescribing in the treatment of dermatologic diseases during 2006-2015. *J Am Acad Dermatol.* Jul 2019.
9. Kamariza M, Shieh P, Ealand CS, Peters JS, **Chu B**, Rodriguez-Rivera FP, Babu Sait MR, Treuren WV, Martinson N, Kalscheuer R, Kana BD, Bertozzi CR. Rapid detection of *Mycobacterium tuberculosis* in sputum with a solvatochromic trehalose probe. *Sci Transl Med.* Feb 2018.

Submitted

2020 [In revision] Crowdsourcing of dermatologic consults on an online community.

In progress

2020 Evaluating statistical reporting in health journals.

2020 Adverse events in patients with skin cancer.

2020 Sociodemographic characteristics of patients with albinism.

2020 Medical discussion on social media, various projects with Penn Center for Digital Health and other institutions.

2020 Systematic review of outcome measurements for psoriasis.

2019 Cost analysis of excisions and repairs of melanomas.

2019 Routine laboratory tests for the evaluation of patients with vasculitis.

In planning

2019 Pilot study of penicillin allergy test in the inpatient setting.

2019 Genetics of blistering diseases.

LECTURES, PRESENTATIONS, and TEACHING EXPERIENCES

- 2020 [Oral Abstract Presenter] **Chu B**, Fathy R, Nobles A, Lipoff JL. Analyzing Crowdsourced Dermatologic Consults on Reddit. *Assoc for Healthcare Social Media 2020*. Awarded “Best Abstract Award.”
- 2020 [Poster Abstract] Ranpariya V, **Chu B**, Fathy R, Lipoff JL. Dermatology without Dermatologists? An Analysis of Instagram Influencers Using Dermatology-Related Hashtags. *Assoc for Healthcare Social Media 2020*. Awarded “Poster of Distinction.”
- 2020 [Oral Abstract Presenter] **Chu B**, Mohiuddin J, ..., Lukens JN. Association of antibiotic exposure with overall survival and colitis in patients with stage III and IV melanoma receiving immune checkpoint inhibitors. *ASCO-SITC Immuno-Oncology Symposium. J Clin Oncol* 38, 2020 (suppl 5; abstr 56).
- 2020 [Poster Abstract] Fathy R, **Chu B**, James WD, Barbieri JS. The frequency of topical antibiotic use following biopsy and excision procedures amongst dermatologists and non-dermatologists: 2006-2015. *Am Acad of Dermatology (cancelled)*.
- 2019 Wrote and taught workshops on using Anki in medical school
- 2019 PennTalks Speech Competition: medical students, faculty, and administrators, “Do No Harm: How to prevent AI from perpetuating healthcare disparities.”
- 2016 Teaching Assistant: Honors General Chemistry. Stanford University.

OTHER MEDIA

- 2020 Research highlighted in The ASCO Post: “Prior Antibiotic Use Linked to Poorer Survival in Patients with Advanced Melanoma Receiving Immune Checkpoint Inhibitors.”
- 2020 Research highlighted in ASCO Daily News: “Antibiotic Exposure Worsens Survival and Colitis in Patients with Stage III and IV Melanoma Receiving ICIs.”
- 2020 Interviewed for article for *The Daily Pennsylvanian*: “Penn unlikely to follow NYU in covering medical school tuition.”
- 2020 Invited to film video interviews with *The ASCO Post* and *JNCCN 360* to discuss research presented at *ASCO-SITC Immuno-Oncology Symposium*.

2017 Wrote a free MCAT self-study guide.

COMMUNITY SERVICE

2018-19 Dance for Health Coordinator: community health and dance organization in West Philadelphia.
2018-Pres. Various organizations: Penn Med Votes, Homeless Health Initiative, Philadelphia Human Rights Clinic.
2016-18 Volunteer EMT: Stanford University EMS.
2015-18 Counselor at Pacific Free Clinic: Stanford-run free clinic, San Jose, CA.
2012-13 Representative on San Francisco Youth Commission.

EXTRACURRICULARS

2020-Pres. Student representative for clinical curriculum
2018-Pres. Member of West Philly Swingers dance troupe
2018-19 Student representative for preclinical curriculum
2018-19 Co-chair of the Dermatology Interest Group
2018-19 VP of Innovation for PennHealthX
2018-19 Co-chair of Penn Med Music On-Call

HONORS and AWARDS

2020 Best Abstract Award: Association for Healthcare Social Media 2020 Meeting (one of two recipients)
2020 Chair's Radiation Oncology Summer Research Grant
2019 Chair's Radiation Oncology Summer Research Grant
2019 PennTalks Speech Competition: Winner
2018 Twenty-First Century Scholars Award: full-ride scholarship, Perelman School of Medicine
2018 Phi Beta Kappa, Stanford University
2015 President's Award for Academic Excellence in the Freshman Year (top 5% academic performance), Stanford University
2015 Stanford Bio-X Research Fellowship

MISCELLANEOUS

2019-Pres. Perelman School of Medicine Interviewer
2019-Pres. Stanford University Interviewer
2019 Penn Med Egg Drop Champion
2018 Completed Music and Medicine class in conjunction with the Curtis Institute of Music.
2017 Summer Associate at Parthenon-EY, a strategy consulting firm. Advised a top 10 largest pharmaceutical company.
2015-Pres. Member of Alpha Chi Sigma, professional chemistry fraternity
2010-14 Lowell High School, San Francisco, CA, valedictorian.

Memberships American Medical Association, American Society of Clinical Oncology,
Pennsylvania Medical Society.

Hobbies Social dancing, piano, podcasts, computer programming.

Tools I use Python (pandas, Jupyter), R (dplyr), APIs (Reddit, Instagram, PubMed), Unix,
HTML/CSS/Bootstrap, REDCap, Anki.